

Appendix IS-6

Water Infrastructure Assessment Report



Water Infrastructure Assessment Report

9000 Airport

Los Angeles, California

Prepared for

Rexford Industrial Realty, Inc.
11620 Wilshire Blvd. Suite 610
Los Angeles, CA 90025

Prepared by

Cannon
Samuel J. Jacoby, PE, QSD
16842 Von Karman Avenue
Suite 150
Irvine, CA 92606

July 17, 2024



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1. INTRODUCTION

1.1 PROJECT DESCRIPTION

The proposed project includes the development of a 435,390 square foot warehouse building including 80,000 square feet of office space with surface parking (“Option #1”) or the development of a warehouse campus comprised of three buildings, totaling 410,056 square foot, including a total of 90,000 square feet of office space with surface parking (“Option #2”) on an approximately 789,989 square foot site located within the Westchester – Playa del Rey Community Plan area in the City of Los Angeles. The Project Site is bounded by Interceptor Street to the north, West Arbor Vitae Street to the south, Airport Boulevard to the west, and residential uses to the east.

The Project Site is currently developed with an approximately 37,860 rental car facility comprised of two single-story buildings and accessory structures, as well as associated surface parking areas which would be removed to accommodate the Project.

Option 1 consists of a single building, detailed below:

Table 1-1 Option 1 Building Summary

	Footprint	Warehouse	Office
Option 1	435,390 s.f.	355,390 s.f.	80,000 s.f.
Landscaping	94,400 s.f.	Impervious	695,589 s.f.

Option 2 consists of three buildings detailed below:

Table 1-2 Option 2 Building Summary

	Footprint	Warehouse	Office
Building 1	102,930 s.f.	87,930 s.f.	30,000 s.f.
Building 2	139,083 s.f.	124,083 s.f.	30,000 s.f.
Building 3	123,043 s.f.	108,043 s.f.	30,000 s.f.
Option 2 Total	365,056 s.f.	320,056 s.f.	90,000 s.f.
Landscaping	120,400 s.f.	Impervious	669,589 s.f.

1.2 SCOPE OF WORK

As part of the environmental review for the Project, the purpose of this report is to analyze the potential impacts of each potential Project (Option 1 and Option 2) upon the existing water infrastructure systems.

1.3 WATER SERVICE, INFRASTRUCTURE, AND EXISTING DEMAND

The City of Los Angeles Department of Water and Power (LADWP) maintains water infrastructure in the Project area and provides domestic water service to the Project Site. According to the City of Los Angeles there is an existing 8” water line in Arbor Vitae Street, a 12” water line in Airport Boulevard, an 8” water line in Interceptor Street.

Domestic service is provided via main connection on Arbor Vitae Street (southeast corner of the site), at the intersection of Airport Boulevard and Interceptor Street (northwest corner of the site), and at the northeast corner of the site at Interceptor Street.

The water consumption tables are detailed below for both options:

Table 1-3 Option 1 Water Demand

Option 1 Estimated Project Water Demand			
Land Use	Floor Area (sf)	Water Consumption Rate (gpd/unit) (b)	Total Water Consumption (gpd)
Existing			
Rental Car Facility (a)	37,860	0.05	1893
Total Existing			1893
Proposed			
Warehouse	355,390	0.03	10662
Office	80,000	0.12	9600
Landscaping (c)			3164
Total Proposed			23425
<i>Less Existing to be Removed</i>			1893
Net Water Consumption			21532
<i>sf = square feet</i>			
<i>gpd = gallons per day</i>			
<i>(a) The generation rate used for the rental car facility is based upon similar generation rates of car wash, commercial use, and industrial uses.</i>			
<i>(b) Based on sewage generation rates provided by the City of Los Angeles Bureau of Sanitation (2012).</i>			
<i>(c) Landscaping water demand is based on estimations provided by Conceptual Design and Planning Company, 2023.</i>			

Table 1-4 Option 2 Water Demand

Option 2 Estimated Project Water Demand			
Land Use	Floor Area	Water Consumption Rate (gpd/unit) (b)	Total Water Consumption (gpd)
Existing			
Rental Car Facility	37,860	0.05	1893
Total Existing			1893
Proposed			
Warehouse	320,056	0.03	9602
Office	90,000	0.12	10800
Landscaping (c)			4094
Total Proposed			24496
<i>Less Existing to be Removed</i>			1893
Net Water Consumption			22603
<i>sf = square feet</i>			
<i>gpd = gallons per day</i>			
<i>(a) The generation rate used for the rental car facility is based upon similar generation rates of car wash, commercial use, and industrial uses.</i>			
<i>(b) Based on sewage generation rates provided by the City of Los Angeles Bureau of Sanitation (2012).</i>			
<i>(c) Landscaping water demand is based on estimations provided by Conceptual Design and Planning Company, 2023.</i>			

1.4 EXISTING FIRE INFRASTRUCTURE

There are currently nine (9) existing fire hydrants abutting or within 20' of the project site, split evenly (three apiece) along the frontages of Airport Boulevard, Arbor Vitae Street, and Interceptor Street. The hydrants are all served by existing 6-inch service lines. The hydrants are supplied and installed by LADWP, and paid for by applicant fees.

Fire service to the onsite hydrants and buildings is provided via main connection on Arbor Vitae Street (southeast corner of the site), and at the intersection of Airport Boulevard and Interceptor Street (northwest corner of the site).

2. SIGNIFICANCE THRESHOLDS

2.1 WATER

Appendix G of the CEQA Guidelines provides a set of questions that address impacts with regard to water infrastructure. These questions are as follows:

Would the project:

- Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which would cause significant environmental effects?
- Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

The City of Los Angeles CEQA Thresholds Guide determines the significance of a project on a case-by-case basis, considering the following factors:

- The total estimated water demand for the project;
- Whether sufficient capacity exists in the water infrastructure that would serve the project, accounting for the anticipated conditions at project build-out;
- The amount by which the project would cause the projected growth in population, housing, or employment for the Community Plan area to be exceeded in the year of the project completion; and
- The degree to which scheduled water infrastructure improvements or project design features would reduce or offset service impacts.

3. METHODOLOGY

3.1 WATER

The methodology for determining the significance of a project as it relates to a project's impact on water supply and distribution infrastructure is based on the City of Los Angeles CEQA Thresholds Guide. This methodology involves a review of the project's environmental setting, project impacts, cumulative impacts, and mitigation measures as required. The following has been considered as part of the determination for this Project:

Environmental Setting

- Description of major water infrastructure serving the Project Site, including the type of facilities, location and sizes, and any planned improvements
- Description of the water conditions for the Project area and known improvement plans

Project Impacts

- Evaluate the Project's water demand, considering design or operational features that would reduce/offset water demand.
- Determine what improvements would be needed, if any, to adequately serve the Project.
- Describe the degree to which presently scheduled off-site improvements offset impacts.

This report analyzes the potential impacts of the Project on the existing public water infrastructure by comparing the estimated Project demand with the calculated available capacity of the existing facilities.

Under the provisions of Senate Bill 610, LADWP is required to prepare a comprehensive water supply assessment (WSA) for every "project" (as defined by Section 10912 of the Water Code) within its service area that reaches certain thresholds. The WSA for a project would evaluate the reliability of existing and projected water supplies to meet present and future water demands. Neither Option 1 nor Option 2 of the proposed Project falls within the requirements of SB 610 as neither include the addition of more than dwelling units, neither propose a commercial office building housing 1,000 persons or more (or having more than 250,000 sf of floor space (office)), nor a proposed industrial park housing 1,000

persons or more (or being more than 40 ac. of land, or having more than 650,000 sf of floor space in aggregate). Therefore, LADWP has not prepared a WSA for the project.

In addition, LADWP performed flow tests via Service Advisory Report (SAR) requests to determine if available water conveyance facilities including water lines and fire hydrants exist for future development (see Attachments). LADWP's approach consists of data ranging from available static pressure (how much pressure is available at the source before applying the Project's demand), to the available pressure at the maximum demand needed for the Project. As explained in more detail in Section 5.2, LADWP is able to meet the Project's (Option 1 or Option 2) water needs based on the existing infrastructure.

4. PROJECT IMPACTS

4.1 CONSTRUCTION

4.1.1 WATER

Water demand for construction of the Project (Option 1 or Option 2) would be required for dust control, cleaning of equipment, excavation/export, removal and re-compaction, rough grading, etc. Construction water demands vary based on site specific conditions but are typically significantly less than the long term, operational water demand of new projects. The removal of the existing facilities uses would assist in offsetting water use during the construction phase. Based on a review of construction projects of similar size, duration and geotechnical conditions, the proposed construction water use will be less than the fire flow requirements of the complete project (during rough grading) and less thereafter.. Further, during construction the infiltration areas should be protected which will largely remove approximately 3 acres from the construction impact area during the majority of the project's construction. Considering these two mitigation measures, the watering will largely be constrained to less than the domestic and fire demand of the project. Therefore, since the impact on water use from construction activity will be temporary and less than significant.

The Project (Option 1 or Option 2) will require construction of new, on-site water distribution lines to serve new buildings, as well as the potential relocation of existing lines. Construction impacts associated with the installation of water distribution lines would primarily involve trenching in order to place the lines below surface. A Construction Management Plan, which would provide for safe pedestrian access as well as emergency vehicle access and safe vehicle travel within the site for construction traffic in general, will be implemented to reduce any temporary pedestrian and traffic impacts occurring as a result of construction activities. In addition, when considering impacts resulting from the installation of any required water infrastructure (i.e installation of one hydrant along Airport Boulevard, on-site water distribution, and minor off-site work associated with connections to the public main) , all impacts are of a relatively short- term duration (i.e., months) and would cease to occur once the installation is complete. Based on the results of the IFFAR and SAR, no upgrades to public water mains are anticipated. There are no on-site public water mains, but prior to ground disturbance, Project contractors would coordinate with LADWP and BOE to identify connection points to public facilities in advance of proposed ground disturbance activities to avoid water lines and disruption of water service. Therefore, Project impacts on water associated with construction activities would be temporary and less than significant.

4.2 OPERATION

4.2.1 WATER

4.2.1.1 Water Consumption

Based on the Project's land uses identified in Section 3.1, the Project's estimated water consumption is approximately 18,369 gpd (Option 1, Table 4-3) to 18,509 (Option 2, Table 4-4), resulting in a net increased maximum water demand of 18,369 gpd (Option 1) (~0.465 acre-feet per year) or 18,509 gpd (Option 2) (~0.425 acre-feet per year).

Table 4-1 Option 1 Water Demand

Option 1 Estimated Project Water Demand			
Land Use	Floor Area (sf)	Water Consumption Rate (gpd/unit) (b)	Total Water Consumption (gpd)
Existing			
Rental Car Facility (a)	37,860	0.05	1893
Total Existing			1893
Proposed			
Warehouse	355,390	0.03	10662
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Total Proposed			23425
<i>Less Existing to be Removed</i>			1893
Net Water Consumption			21532
<i>sf = square feet</i>			
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<i>(a) The generation rate used for the rental car facility is based upon similar generation rates of car wash, commercial use, and industrial uses.</i>			
<i>(b) Based on sewage generation rates provided by the City of Los Angeles Bureau of Sanitation (2012).</i>			
<i>(c) Landscaping water demand is based on estimations provided by Conceptual Design and Planning Company, 2023.</i>			

Table 4-2 Option 2 Water Demand

Option 2 Estimated Project Water Demand			
Land Use	Floor Area	Water Consumption Rate (gpd/unit) (b)	Total Water Consumption (gpd)
Existing			
Rental Car Facility	37,860	0.05	1893
Total Existing			1893
Proposed			
Warehouse	320,056	0.03	9602
Office	90,000	0.12	10800
Landscaping (c)			4094
Total Proposed			24496
<i>Less Existing to be Removed</i>			1893
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<i>(b) Based on sewage generation rates provided by the City of Los Angeles Bureau of Sanitation (2012).</i>			
<i>(c) Landscaping water demand is based on estimations provided by Conceptual Design and Planning Company, 2023.</i>			

4.2.1.2 Domestic Water Service and Fire Suppression Analysis

When analyzing the Project for infrastructure capacity, the projected demands for both fire suppression and domestic water are considered. Although domestic water demand is the Project's main contributor of water consumption, fire flow demands have a much greater instantaneous impact on infrastructure. Therefore, fire flow demands are the primary means for analyzing infrastructure capacity. Conservative analysis for both fire suppression and domestic water flows has been completed by LADWP for the Project as summarized below. To determine the ability to provide on-site water service to the Project, a Service Advisory Report (SAR) and a Information on Fire Flow Availability Report (IFFAR) request were submitted to LADWP to analyze if there is adequate water capacity for both fire suppression (fire hydrants and building sprinkler system capacity) and domestic water service.

In addition to the Los Angeles Fire Department requirements for fire hydrants, minimum requirements for domestic service and building fire safety have also been established. To determine if the existing system can provide 2,500 gpm for the building fire sprinkler system, a SAR and IFFAR request were submitted to LADWP to assess the ability for the public water mains for capacity to simultaneously provide for the on-site fire suppression system and domestic water service through the proposed 8- inch line onsite water connection to the 8-inch main in Arbor Vitae.

4.2.1.3 Water Infrastructure

The approved SAR and IFFAR confirm that sufficient water supply capacity is available for the Project for both domestic water supply and fire flows. The service laterals will be adequately sized to accommodate the on-site fire suppression system demand and domestic demand flowing simultaneously. The new water services will also include backflows and be metered separately per City requirements. Therefore, impacts on water infrastructure would be less than significant.

5. CUMULATIVE IMPACTS

5.1 WATER

As mentioned above, the approved SAR proves that sufficient capacity is available for the proposed increases in domestic water demands and fire flows (both fire hydrant and building fire sprinkler systems) associated with the Project (Option 1 or Option 2). Proposed domestic and irrigation water service can be connected to any of the mains surrounding the site, and primary fire service connections can be connected to the main in Airport Boulevard. The service laterals will be adequately sized to accommodate the on-site fire suppression system demand and domestic demand flowing simultaneously.

In addition to the confirmation of the water system infrastructure's ability to support the proposed Project, it is also necessary to determine the cumulative impact analysis on water supply within the LADWP service area (i.e., the City). LADWP, as a public water service provider, is required to prepare and update on five-year intervals an Urban Water Management Plan to plan and provide for water supplies to serve existing and projected demands. The 2020 Urban Water Management Plan (UWMP) prepared by LADWP accounts for existing development within the City, as well as projected growth through the year 2045. The regional water provider, the Metropolitan Water District of Southern California (MWD), which also released its 2020 UWMP and provides the City with imported water resources, also follows this process.

Through the MWD 2020 Regional UWMP and LADWP's local UWMP process along with the City's Securing L.A.'s Water Supply, MWD and the City will meet all new demand for water due to projected population growth through a combination of water conservation, water transfer agreements and water supply projects (i.e. increase water recycling). LADWP plans outline the creation of sustainable sources of water for the City of Los Angeles to reduce dependence on imported supplies from MWD. LADWP is planning to achieve these goals by increasing its water conservation program and by expanding the recycled water distribution system to provide water for irrigation, industrial use, and groundwater recharge.

Additionally, under the provisions of Senate Bill 610, LADWP is required to prepare a comprehensive water supply assessment (WSA) for every "project" (as defined by Section 10912 of the Water Code) within its service area that reaches certain thresholds. As discussed previously, neither Option 1 nor Option 2 falls within the applicable thresholds.

Based on the previous paragraphs, it is anticipated that LADWP has sufficient infrastructure to support the Project (Option 1 or Option 2) and would be able to supply the demands of the Project and future growth. Therefore, cumulative impacts on water infrastructure and supply would be less than significant.

6. LEVEL OF SIGNIFICANCE

Based on the analysis contained in this report, no significant water or wastewater impacts have been identified for either Option 1 or Option 2 of this Project.

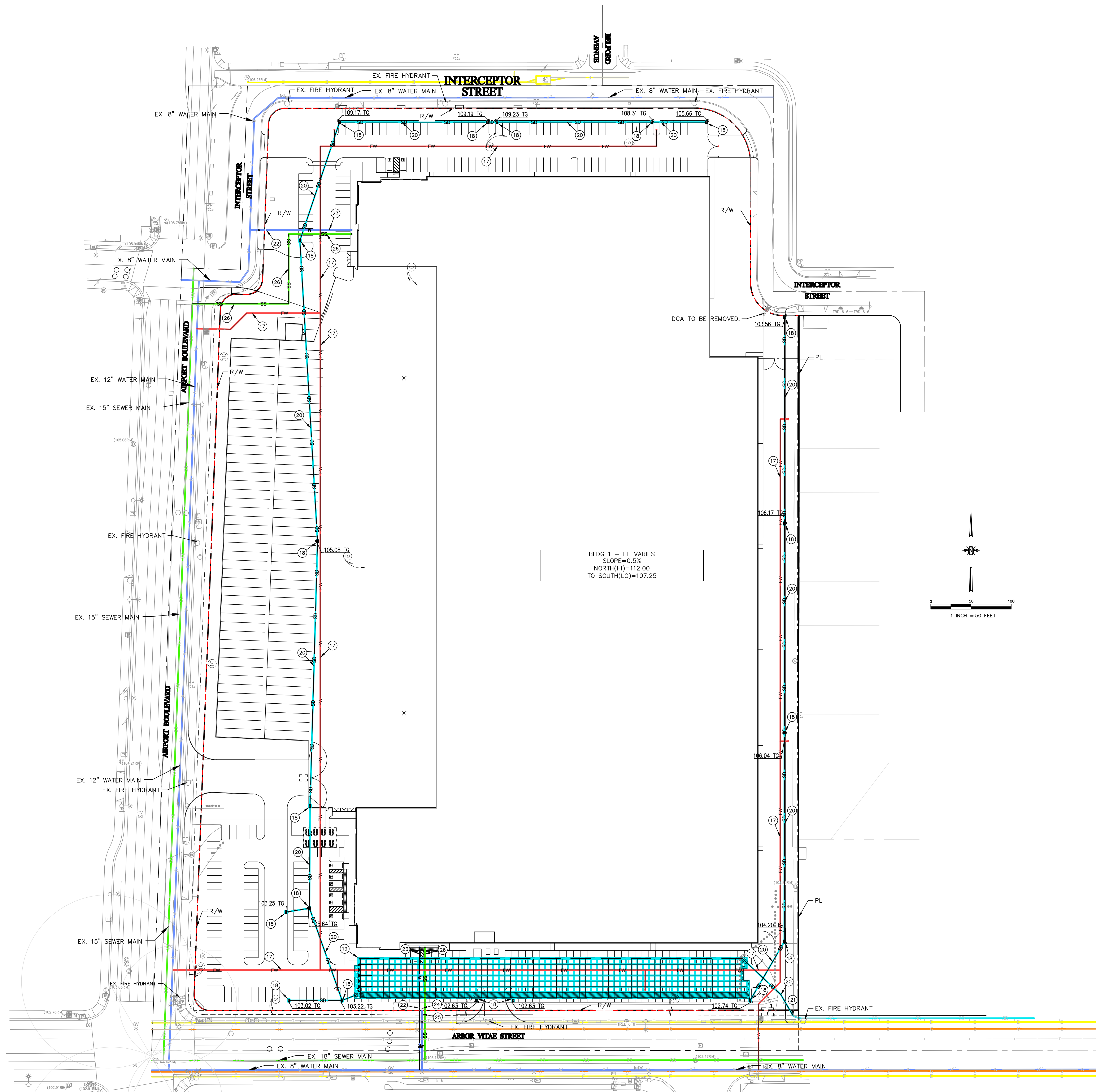
7. LIST OF ATTACHMENTS

Attachment 1. Sewer and Water Utility Maps

Attachment 2. LADWP Service Advisory Report (SAR)

Attachment 3. LADWP Information of Fire Flow Availability (IFFAR)

Attachment 1. Sewer and Water Utility Maps



CIVIL NOTES

- 17 FIREWATER
- 18 STORM DRAIN INLET
- 19 UNDERGROUND INFILTRATION SYSTEM
- 20 STORM DRAIN PIPE
- 21 CONNECTION TO CITY OF LA STORM DRAIN
- 22 2" DOMESTIC METER, BACKFLOW
- 23 2" DOMESTIC SERVICE
- 24 2" LANDSCAPE METER, BACKFLOW
- 25 2" LANDSCAPE SERVICE
- 26 6" SANITARY SERVICE

LEGEND

WATER LINE
SANITARY SEWER LINE
STORM DRAIN LINE
FIRE LINE
ELECTRICAL LINE
GAS LINE

Diagram illustrating the six chromosomes of *Drosophila melanogaster*:

- W (White)
- SS (Small, Sex)
- SO (Small, Ovary)
- FW (Female, Wing)
- E (Eye)
- G (Genome)

[illegible]

DRAWN BY	DATE
CP	7/18/2024
CHECKED BY	SCALE
	AS SHOWN
	CA JOB NO.
	230326

PROPOSED ONE STORY WAREHOUSE BUILDING

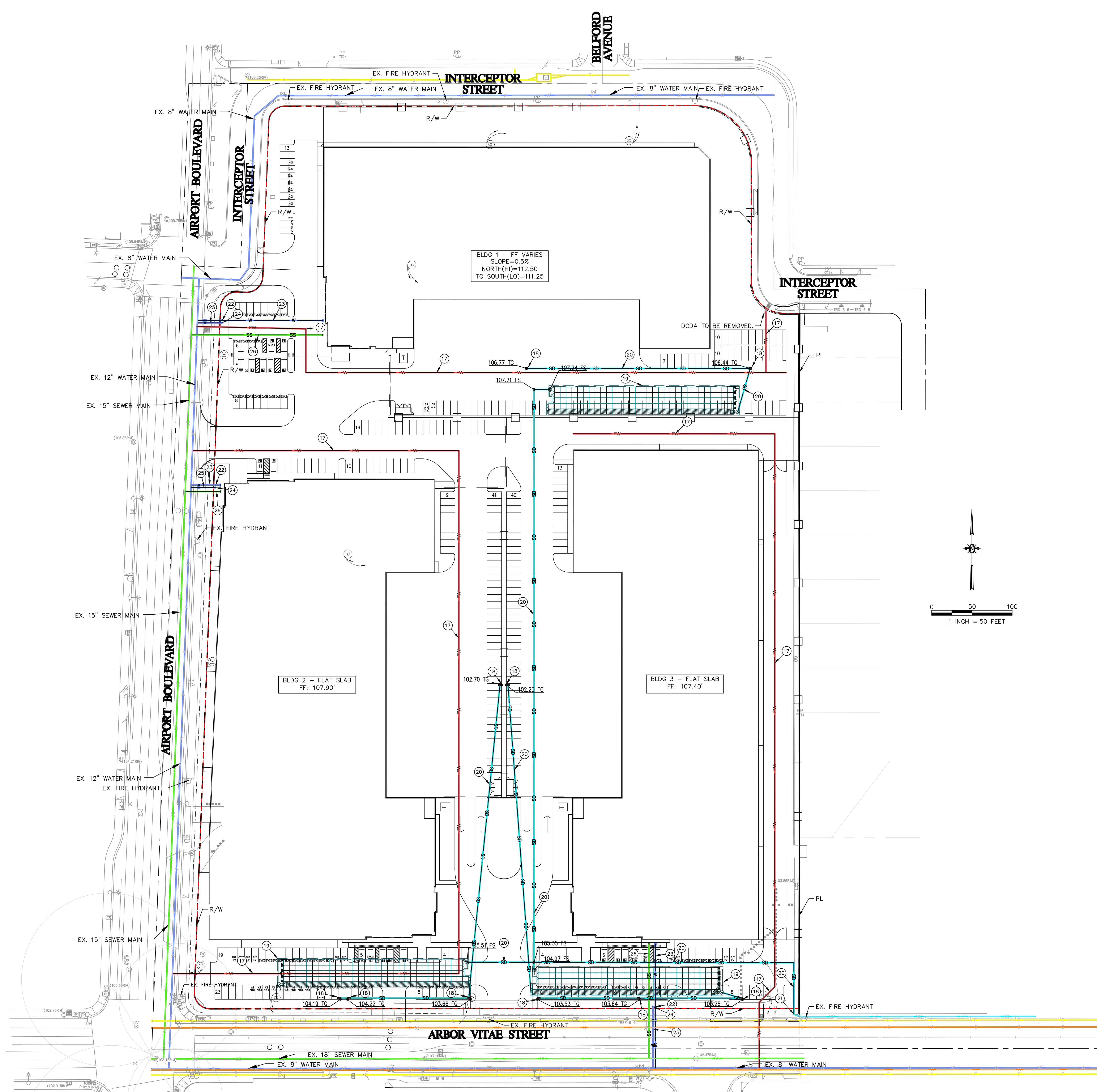
PRELIMINARY UTILITY PLAN

9000 SOUTH AIRPORT BLVD.

LOS ANGELES, CA

SHEET
C5-1
OF GP5



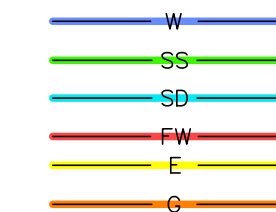


CIVIL NOTES

- (17) FIREWATER
- (18) STORM DRAIN INLET
- (19) UNDERGROUND INFILTRATION SYSTEM
- (20) STORM DRAIN PIPE
- (21) CONNECTION TO CITY OF LA STORM DRAIN
- (22) 2" DOMESTIC METER, BACKFLOW
- (23) 2" DOMESTIC SERVICE
- (24) 2" LANDSCAPE METER, BACKFLOW
- (25) 2" LANDSCAPE SERVICE
- (26) 6" SANITARY SERVICE

LEGEND

WATER LINE
SANITARY SEWER LINE
STORM DRAIN LINE
FIRE LINE
ELECTRICAL LINE
GAS LINE

[illegible]

DRAWN BY	JR	DATE	7-11-2023
CHECKED BY		SCALE	1" = 40'
		CA JOB NO.	230326

PROPOSED ONE STORY WAREHOUSE BUILDING

PRELIMINARY UTILITY PLAN

9000 SOUTH AIRPORT BLVD.

LOS ANGELES, CA

SHEET
C6-3
OF GP-6



Know what's **below**.
Call before you dig.

Attachment 2. LADWP Service Advisory Report (SAR)



City of Los Angeles

Los Angeles Department of Water and Power - Water System



SAR NUMBER 105860

Fire Service Pressure Flow Report

SERVICE NUMBER 644738

For: 9000 AIRPORT BLVD Approved Date: 6-27-2024

Proposed Service 8 INCH off of the

8 inch main in ARBOR VITAE ST on the NORTH side approximately

400 feet EAST of EAST of AIRPORT BLVD The System maximum pressure is

97 psi based on street curb elevation of 102 feet above sea level at this location.

The distance from the DWP street main to the property line is 74 feet

System maximum pressure should be used only for determining class of piping and fittings.

Residual Flow/Pressure Table for water system street main at this location

Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)
0	87	2500	69		
525	86				
765	85				
950	84				
1110	83				
1250	82				
1380	81				
1500	80				
1615	79				
1720	78				
1820	77				
1915	76				
2010	75				
2095	74				
2185	73				
2265	72				
2345	71				
2425	70				

Meter Assembly Capacities

Domestic Meters

1 inch = 56 gpm
1-1/2 inch = 96 gpm
2 inch = 160 gpm
3 inch = 220 gpm
4 inch = 400 gpm
6 inch = 700 gpm
8 inch = 1500 gpm
10 inch = 2500 gpm

Fire Service

2 inch = 250 gpm
4 inch = 600 gpm
6 inch = 1400 gpm
8 inch = 2500 gpm
10 inch = 5000 gpm

FM Services

8 inch = 2500 gpm
10 inch = 5000 gpm

These values are subject to change due to changes in system facilities or demands.

Notes: WITH 160 GPM SIMULTANEOUS FLOW

This information will be sent to the Department of Building and Safety for plan checking.

This SAR is valid for one year from 06-27-24. Once the SAR expires, the applicant needs to re-apply and pay applicable processing fee.

For additional information contact the Water Distribution Services Section WESTERN (213) 367-1225

OSCAR TUPUL

Prepared by

OSCAR TUPUL

Approved by

094-171

Water Service Map

Attachment 3. LADWP Information of Fire Flow Availability (IFFAR)



City of Los Angeles

Los Angeles Department of Water and Power - Water System

1 of 4

INFORMATION OF FIRE FLOW AVAILABILITY

LAFD Fire Flow Requirement: 12,000 GPM

Water Service Map No.: 094-171

LAFD Signature: _____

Date Signed: _____

Applicant: Samuel Jacoby, P.E.

Company Name: Cannon Corp

Address: 16842 Von Karman Ave., Suite 150, Irvine, CA 92606

Telephone: 949-236-1247

Email Address: SamJ@CannonCorp.US

Existing hydrants
See attached Exhibit

	F- 42052	F- 42477	F- 42478
Location:	N. side of Arbor Vitae St. 815' E. of Airport Blvd	N. side of Arbor Vitae St. 815' E. of Airport Blvd	NEC of Airport and Arbor Vitae St.
Distance from Nearest Pipe Location (feet):	60'	60'	15'
Hydrant Size:	4"	2.5", 4"	2.5", 4"
Water Main Size (in):	8"	8"	12"
Static Pressure (psi):	97	97	96
Residual Pressure (psi):	88	87	87
Flow at 20 psi (gpm):	1,500	1,500	1,500

RECEIVED/WDE

JUL 16 2024

NOTE: Data obtained from hydraulic analysis using peak hour.

Remarks:

Maximum flow of 12,000 GPM from 10 hydrants running simultaneously, granted 1 proposed hydrant is installed E/Airport Blvd, 250' S/O Interceptor St.

W20240717002

Water Purveyor: Los Angeles Department of Water & Power

Date: 07/22/2024

Signature: Oscar E. Tupul

Title: Civil Engineering Associate

Requests must be made by submitting this completed application, along with a \$235 check payable to:

"Los Angeles Department of Water and Power", and mailed to:

Los Angeles Department of Water and Power

Distribution Engineering Section - Water

Attn: Business Arrangements

P.O. Box 51111 - Room 1425

Los Angeles, CA 90051-5700

* If you have any questions, please contact us at (213) 367-2130 or visit our web site at <http://www.ladwp.com>.



City of Los Angeles

Los Angeles Department of Water and Power - Water System

2 of 4

INFORMATION OF FIRE FLOW AVAILABILITY

LAFD Fire Flow Requirement: **12,000 GPM**

Water Service Map No.:

096-171

094-171

LAFD Signature: _____

Date Signed: _____

Applicant:

Samuel Jacoby, P.E.

Company Name:

Cannon Corp

Address:

16842 Von Karman Ave., Suite 150, Irvine, CA 92606

Telephone:

949-236-1247

Email Address:

SamJ@CannonCorp.US

Existing hydrants

See attached Exhibit

	F- 42479	F- 42480	F- 33075
Location:	e. side of Airport blvd, 380' n. of Arbor Vitae St.	e. side of Airport blvd, 346' s. of Interceptor St.	SEC of Airport blvd, and Interceptor St.
Distance from Nearest Pipe Location (feet):	15'	15'	15'
Hydrant Size:	4"	4"	2.5", 4"
Water Main Size (in):	12"	12"	8"
Static Pressure (psi):	96	96	95
Residual Pressure (psi):	87	96	86
Flow at 20 psi (gpm):	1,500	1,400	1,000

NOTE: Data obtained from hydraulic analysis using peak hour.

Remarks:

Maximum flow of 12,000 GPM from 10 hydrants running simultaneously, granted 1 proposed hydrant is installed E/Airport Blvd, 250' S/O Interceptor St.

W20240717002

Water Purveyor: **Los Angeles Department of Water & Power**

Date: **07/22/2024**

Signature: **Oscar E. Tupul**

Title: **Civil Engineering Associate**

Requests must be made by submitting this completed application, along with a \$235 check payable to:

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City of Los Angeles

Los Angeles Department of Water and Power - Water System

INFORMATION OF FIRE FLOW AVAILABILITY

LAFD Fire Flow Requirement: **12,000 GPM**

Water Service Map No.: **096-171**

LAFD Signature: _____

Date Signed: _____

Applicant: **Samuel Jacoby, P.E.**

Company Name: **Cannon Corp**

Address: **16842 Von Karman Ave., Suite 150, Irvine, CA 92606**

Telephone: **949-236-1247**

Email Address: **SamJ@CannonCorp.US**

Existing hydrants
See attached Exhibit

	F- 42481	F- 42482	F- 33076
Location:	s.side of interceptor st. 385' w of belford ave.	s.side of interceptor st. 185' w of belford ave.	s.side of interceptor st. 115 e. of belford ave.
Distance from Nearest Pipe Location (feet):	10'	10'	10'
Hydrant Size:	4"	4"	2.5", 4"
Water Main Size (in):	8"	8"	8"
Static Pressure (psi):	95	95	96
Residual Pressure (psi):	85	95	86
Flow at 20 psi (gpm):	900	900	1,000

NOTE: Data obtained from hydraulic analysis using peak hour.

Remarks:

Maximum flow of 12,000 GPM from 10 hydrants
running simultaneously, granted 1 proposed hydrant is
installed E/Airport Blvd, 250' S/O Interceptor St.

W 20240717002

Water Purveyor: **Los Angeles Department of Water & Power**

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* If you have any questions, please contact us at (213) 367-2130 or visit our web site at <http://www.ladwp.com>.



City of Los Angeles

Los Angeles Department of Water and Power - Water System

4 of 4

INFORMATION OF FIRE FLOW AVAILABILITY

LAFD Fire Flow Requirement: 12,000 GPM

Water Service Map No.: 096-171

LAFD Signature: _____

Date Signed: _____

Applicant: Samuel Jacoby, P.E.

Company Name: Cannon Corp

Address: 16842 Von Karman Ave., Suite 150, Irvine, CA 92606

Telephone: 949-236-1247

Email Address: SamJ@CannonCorp.US

Existing hydrants
See attached Exhibit

	F-NEW HYDRANT	F-_____	F-_____
Location:	E. side of Airport blvd, 250' s. of Interceptor St		
Distance from Nearest Pipe Location (feet):	15'		
Hydrant Size:	4"		
Water Main Size (in):	12"		
Static Pressure (psi):	95		
Residual Pressure (psi):	86		
Flow at 20 psi (gpm):	800		

NOTE: Data obtained from hydraulic analysis using peak hour.

Remarks:

Maximum flow of 12,000 GPM from 10 hydrants running simultaneously, granted 1 proposed hydrant is installed E/Airport Blvd, 250' S/O Interceptor St.

W20240719002

Water Purveyor: Los Angeles Department of Water & Power

Date: 07/22/2024

Signature: Oscar E. Tupul

Title: Civil Engineering Associate

Requests must be made by submitting this completed application, along with a \$235 check payable to:

"Los Angeles Department of Water and Power", and mailed to:

Los Angeles Department of Water and Power

Distribution Engineering Section - Water

Attn: Business Arrangements

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