Division of Land / Environmental Review

City Hall • 200 N. Spring Street, Room 750 • Los Angeles, CA 90012

DRAFT ENVIRONMENTAL IMPACT REPORT

VOLUME II – TECHNICAL APPENDICES: A THROUGH E

SHERMAN OAKS – STUDIO CITY – TOLUCA LAKE – CAHUENGA PASS COMMUNITY PLAN AREA

Buckley School Campus Enhancement Plan

ENV-2004-7171-EIR
State Clearinghouse No. 2005011055

Council District 5

THIS DOCUMENT COMPRISES THE FIRST PART OF THE ENVIRONMENTAL IMPACT REPORT (EIR) FOR THE PROJECT DESCRIBED. THE FINAL EIR, WHICH WILL ALSO CIRCULATE FOR PUBLIC REVIEW AND COMMENT, WILL COMPRISE THE SECOND AND FINAL PART.

Project Address: 3900 Stansbury Avenue, Sherman Oaks, CA 91423

Project Description: The Buckley School (the School), the project Applicant, proposes to enhance its existing campus facilities located at 3900 Stansbury Avenue in the Sherman Oaks Community of the City of Los Angeles. The improvements are proposed as part of the Campus Enhancement Plan, the intent of which is to address the needs of existing and future school programs, including the provision of adequate teaching space for all educational levels, specialty teaching spaces, and multipurpose spaces for educational gatherings that cannot occur in a standard classroom. The project also provides for the modernization of existing facilities, improved disabled access, and energy efficiency upgrades. Included within the Campus Enhancement Plan are vehicular circulation and queuing improvements, increased parking within a new enclosed parking facility, the demolition of six buildings, construction of five new/replacement buildings, a central plant, and addition to and/or renovation of several existing buildings. Upon completion, a net addition of approximately 69,500 square feet of building area would be provided, resulting in a total of 168,650 square feet of educational facilities within the project site. Project implementation would require various approvals, including but not limited to, Specific Plan Exceptions and Environmental Findings pursuant to the Mulholland Scenic Parkway Specific Plan, a new Conditional Use Permit that among other things would allow an increase in enrollment of up to 80 students for a maximum enrollment of 830 students, Modification of the height regulations, Site Plan Review findings, a Parcel Map to create two legal lots, and Design Review pursuant to the Mulholland Scenic Parkway Specific Plan.

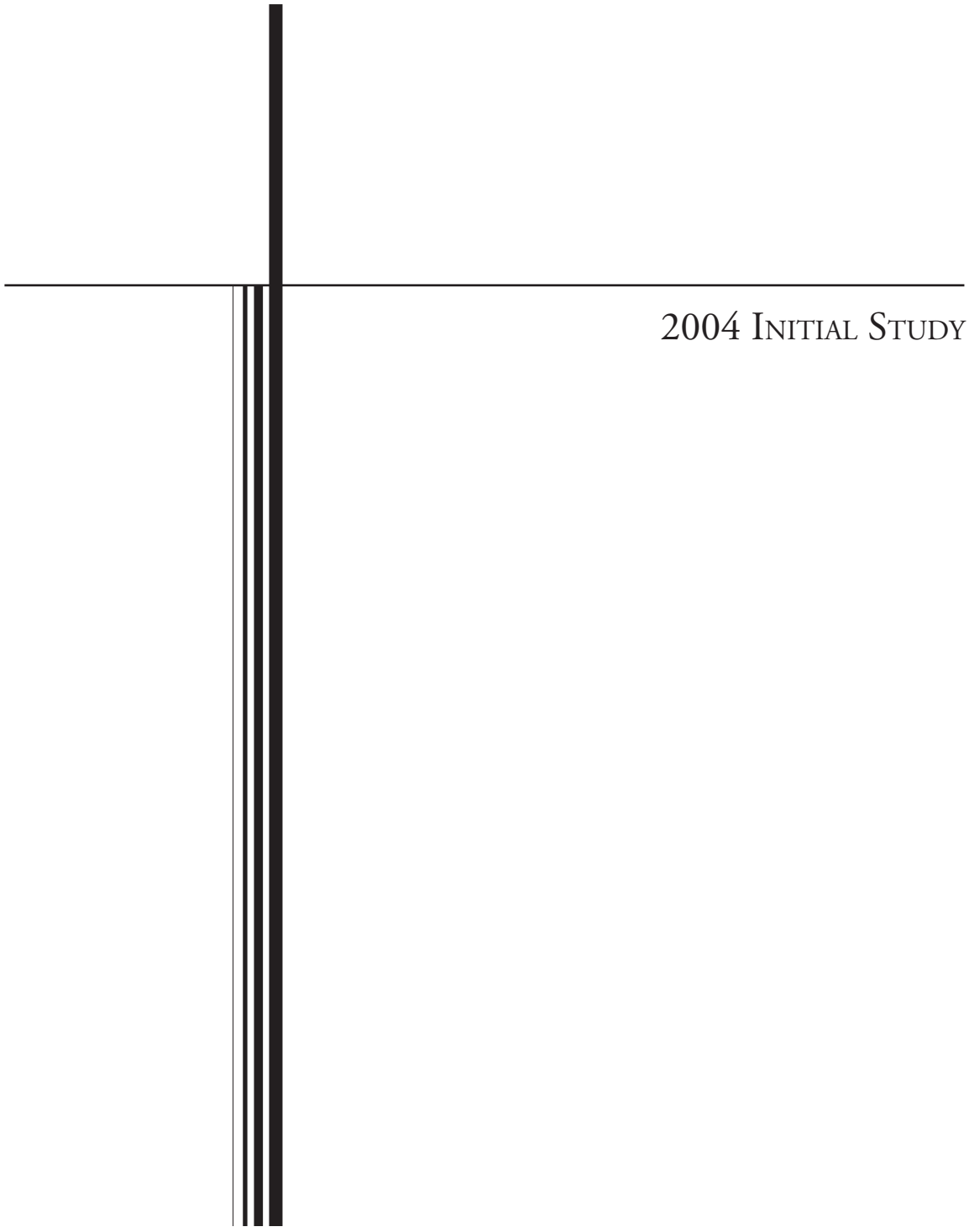
APPLICANT:
The Buckley School

PREPARED BY:
Environmental Review Section
Los Angeles City Planning Department

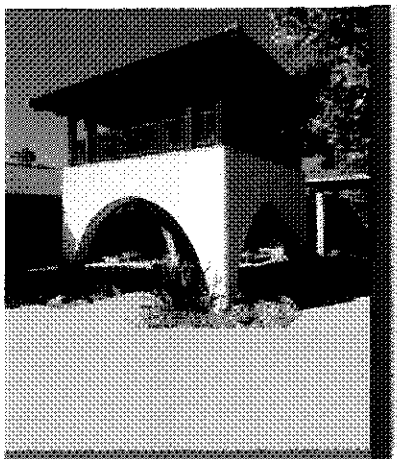
November 2006

Appendix A:

2004 Initial Study/Notice of Preparation (NOP)/ NOP Comment Letters



2004 Initial Study



EAF/Draft Initial Study

The Buckley School Campus Enhancement Plan

Prepared By:

PCR Services Corporation
233 Wilshire Boulevard, Suite 130
Santa Monica, California 90401
Tel: 310.451.4488
Fax: 310.451.5279

November 2004

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CITY OF LOS ANGELES
DEPARTMENT OF CITY PLANNING

ENVIRONMENTAL ASSESSMENT FORM

EAF Case No.: _____ ZA Case No.: _____ CPC Case No.: _____

Council District No.: 5 Community Plan Area: Sherman Oaks - Toluca Lake - Studio City -Cahuenga Pass

PROJECT ADDRESS: 3900 Stansbury Avenue
Los Angeles, California 91423

Major Cross Streets: Ventura Boulevard, Beverly Glen Boulevard

Name of Applicant: The Buckley School (attn: Paul Horovitz)

Address: 3900 Stansbury Avenue, Los Angeles, CA 91423

Telephone No.: 818-783-1610 Fax No.: 818-907-7193 E-mail: phorovitz@buckley-la.org

OWNER	APPLICANT'S REPRESENTATIVE (Other than Owner)
Name: The Buckley School	Name: Cindy Starrett, Latham & Watkins, LLP (Contact Person)
Address: 3900 Stansbury Avenue Los Angeles, CA 91423	Address: 633 West Fifth Street, Suite 4000 Los Angeles, CA 90071
Telephone No: 818-783-1610	Telephone No: 213-485-1234
Signature:	Signature:

The following Exhibits are required (3 copies of each exhibit and 3 Environmental Assessment Forms for projects in Coastal & S.M. Mtn. Zones): All Exhibits should reflect the entire project, not just the area in need of zone change, variance, or other entitlement.

NOTE: The exhibits are IN ADDITION TO those required for any case for which the Environmental Assessment Form is being filed.

A. 2 Vicinity Maps: (8½" x 11") showing nearby street system, public facilities and other significant physical features (similar to road maps, Thomas Brothers Maps, etc.) with project area highlighted.

B. 2 Radius/Land Use Maps: (1" = 100') showing land use and zoning to 500 feet (100 feet of additional land use beyond the radius for alcoholic beverage cases); 100' radius line (excluding streets) okay for Coastal building permits 300' for site plan review applications.

C. 2 Plot Plans: showing the location and layout of proposed development including dimensions; include topographic lines where grade is over 10%; tentative tract or parcel maps where division of land is involved to satisfy this requirement, and the location and diameter of all trees existing on the project site.

D. Application: a duplicate copy of application for zone change, (including Exhibit "C" justification) batch screening form, periodic comprehensive general plan review and zone change map, variance, conditional use, subdivider's statement, etc.

E. Pictures: two or more pictures of the project site showing walls, trees and existing structures.

F. Notice of Intent Fee: a check in the amount of $25 made out to the **County of Los Angeles** for the purpose of filing a Notice of Intent to Adopt a Negative Declaration as required by § 15072 of the State CEQA Guidelines.

ENVIRONMENTAL ASSESSMENT
APPROVED BY _____ DATE: _____
APPLICATION ACCEPTED
BY: _____ DATE: _____
RECEIPT NO: _____

I. Project Description:

Briefly describe the project and permits necessary (i.e., Tentative Tract, Conditional Use, Zone Change, etc.) including an identification of phases and plans for future expansion:

The Buckley School, the project Applicant, proposes to enhance its existing campus facilities located at 3900 Stansbury Avenue in the Sherman Oaks community of the City of Los Angeles. The proposed enhancements are included within the Campus Enhancement Plan for the campus, the intent of which is to address the needs of existing and future school programs. Included within the Campus Enhancement Plan are vehicular circulation and queuing improvements, increased parking within a new semi-subterranean parking facility, the demolition of eleven buildings, construction of seven new/replacement buildings, additions to and renovation of two existing buildings, and the renovation of four other buildings. Pedestrian and vehicular access improvements would improve safety by separating students, faculty and staff from vehicles and would create a pedestrian-oriented campus. When accounting for 35,550 square feet of building area to be removed, development of these project components would add approximately 53,750 square feet of net new building area to the existing 99,150 square feet of building area currently on-site, resulting in a total building area of approximately 152,900 square feet upon completion of the project's three phases. The project, which would require a new conditional use permit to operate a school within the RE-40 zone, is estimated to be completed within a seven- to ten-year timeframe.

Will the project require certification, authorization, clearance or issuance of a permit by any federal, state, county, or environmental control agency, such as Environmental Protection Agency, Air Quality Management District, Water Resources Board, Environmental Affairs, etc.? If so, please specify:

South Coast Air Quality Management District, Regional Water Quality Control Board

II. Existing Conditions:

A. Project Site Area

Net Acres 18.44 acres [gross acres minus street easement] Gross Acres 18.50 acres [with inclusion of the street easement] 23.35 acres [with inclusion of proposed easement from Santa Monica Mountains Conservancy (SMMC)]

B. Existing Zoning RE-40-1-H (Residential Estate, Height District 1, Hillside) and RE-15-1-H within the nearby Buckley-owned property.

C. Existing Use of Land Educational Facility – Kindergarten through Grade 12

Existing General Plan Designation Minimum Density Residential and Very Low Density Residential (school uses allowed per CUP)

D. Requested General Plan Designation Change the 12.6-acre nearby Buckley-owned property from Minimum Density Residential to Open Space and Very Low Density, and change Very Low Density portions of the school campus to Minimum Density Residential

E. Number 11 incl. accessory type Wood Frame/misc. and age ± +/- 25 to 35 of structures to be removed as a result of the project. If residential dwellings (apts., single-family, condos) are being removed indicate the number of units: N/A and average rent: N/A

Is there any similar housing at this price range available in the area? If yes, where? N/A

F. Number Under study Trunk Diameter Under study and type Under Study of existing trees.

G. Number Under Study Trunk Diameter Under study and type Under Study of trees being removed (identify on plot plan.)

H. Slope: State percent of property which is:

With inclusion of Santa Monica Mountains Conservancy easement area (23.35 acres).

34 percent Less than 10% slope 5 percent 10–15% slope 61 percent over 15% slope

Without Santa Monica Mountains Conservancy property (approximately 18.50 acres).

44 percent Less than 10% slope 5 percent 10–15% slope 51 percent over 15% slope

If slopes over 10% exist, a topographic map will be required. Over 50 acres, 1" = 200' scale is okay.

I. Check the applicable boxes and indicate the condition on the Plot Plan. There are ☒ natural or man-made drainage channels, ☒ rights of way and/or ☐ hazardous pipelines crossing or immediately adjacent to the property, or ☐ none of the above.

J. Grading: (specify the total amount of dirt being moved)

0-500 cubic yards.

Approximately 66,700 cubic yards (estimated for buildout) If over 500 cubic yards. indicate amount of cubic yards.

K. Import/Export: Indicate the amount of dirt being imported or exported. Approximately 51,450 cubic yards to be exported

Projects involving import/export of 1000 cubic yards or more are required to complete a Haul Route Form and Haul Route Map.

If the project involves more than one phase or substantial expansion or changes of existing uses, please document each portion separately, with the total or project details written below. Describe entire project, not just area in need of zone change, variance, or other entitlement.

III. Residential project (if not residential, do not answer)

A. Number of Dwelling Units-
Single Family _____ Apartment _____ or Condominium _____

B. Number of Dwelling Units with:
One bedroom _____ Two bedrooms _____
Three bedrooms _____ Four or more bedrooms _____

C. Total number of parking spaces provided _____

D. List recreational facilities of project _____

E. Approximate price range of units $ _____ to $ _____

F. Number of stories, _____ height _____ feet.

G. Type of appliances and heating (gas, electric, gas/electric, solar) _____
Gas heated swimming pool? _____

H. Describe night lighting of the project _____
(include plan for shielding light from adjacent uses, if available)

I. Percent of total project proposed for: Building _____
Paving _____
Landscaping _____

J. Total Number of square feet of floor area _____

IV. Commercial, Industrial or Other Project (if project is only residential do not answer this section). Describe entire project, not just area in need of zone change, variance, or other entitlement.

A. Type of use Educational with grades Kindergarten through 12.

B. Total number of square feet of floor area 89,300 square feet to be added (53,750 net square feet when accounting for 35,550 square feet to be removed)

C. Number of units if hotel/motel 0

D. Number of stories. One to two height 11-40 Feet

E. Total number of parking spaces provided: Approximately 306 (278 within a semi-subterranean parking facility and 28 various surface spaces throughout campus).

F. Hours of operation School hours: 7:30 A.M.-4:00 P.M. Plus extra-curricular 4 P.M.-10 P.M. Days of operation 235 days per year - Monday-Friday, with occasional weekend use

G. If fixed seats or beds involved, number _____

H. Describe night lighting of the project Low-level security lights and motion sensing lights in low-use, pedestrian and parking areas.

(Include plan for shielding light from adjacent uses, if available)

I. Number of employees per shift 95 Full-Time and 5 Part-Time teachers (existing = 91) Staff/Administrative = 67-68 (existing = 62)

J. Number of students/patients/patrons 830 K-12 students proposed (existing = 750 maximum enrollment)

K. Describe security provisions for project Private security personnel; renovated Guardhouse

L. Percent of total project proposed for: Building 18 percent
Paving 16 percent
Landscaping 66 percent

Historic/Architecturally Significant Project

Does the project involve any structures, buildings, street lighting systems, spaces, sites or components thereof which may be designated or eligible for designation in any of the following:
(please check)

☐ National Register of Historic Places No
☐ California Register of Historic Resources No
☐ City of Los Angeles Cultural Historic Monument. No
☐ Within a City of Los Angeles Historic Preservation Overlay Zone (HPOZ) No

V. Hazardous Materials and Substance Discharge

Does the project involve the use of any hazardous materials or have hazardous substance discharge?
If so, please specify. The project would involve the use of standard cleaning agents and pesticides.

A Regulatory Identification Number (if known) N/A
B. Licensing Agency N/A
C. Quantity of daily discharge N/A

VI. Stationary Noise Clearance: A clearance may be necessary certifying the project's equipment (e.g., air conditioning) complies with City Noise Regulations.

Some projects may require a Noise Study. The EIR staff will inform those affected by this requirement.

VII. Selected Information:

A. Circulation: Identify by name all major and secondary highways and freeways within 1,000 feet of the proposed project; give the approximate distance(s):
Ventura Blvd., located 3,000' to the north, is designated a Major Highway; Beverly Glen Blvd., located 2,325' to the west, is designated a Secondary Highway

B. Air: All projects that are required to obtain AQMD permits (see AQMD Rules and Regulations) are required to submit written clearance from the AQMD indicating no significant impact will be created by the proposed project.*

C. Noise: Projects located within 600 feet of railroad tracks indicate the number of trains per day:**
Day 7 AM–10 PM N/A
Night 10 PM–7 AM N/A

VIII. Mitigating Measures:

Feasible alternatives or mitigation measures which would substantially lessen any significant adverse impact which the development may have on the environment. Under study

* Contact the South Coast Air Quality Management District at 572-6418 for further information.

** For information, contact:

Southern Pacific Train Dispatcher 629-6569
Union Pacific Engineering 725-2313
Santa Fe Train Master 267-5546

APPLICANT/CONSULTANT'S AFFIDAVIT

OWNER MUST SIGN AND BE NOTARIZED;

IF THERE IS AN AGENT, THE AGENT MUST ALSO SIGN AND BE NOTARIZED

I, The Buckley School
Owner (Owner in escrow)*
(Please Print)

Signed: _____
Owner

I, Latham & Watkins LLP
Consultant*
(Please Print)

Signed: _____
Agent

being duly sworn, state that the statements and information contained in this Environmental Assessment Form are in all respects true and correct to the best of my knowledge and belief.

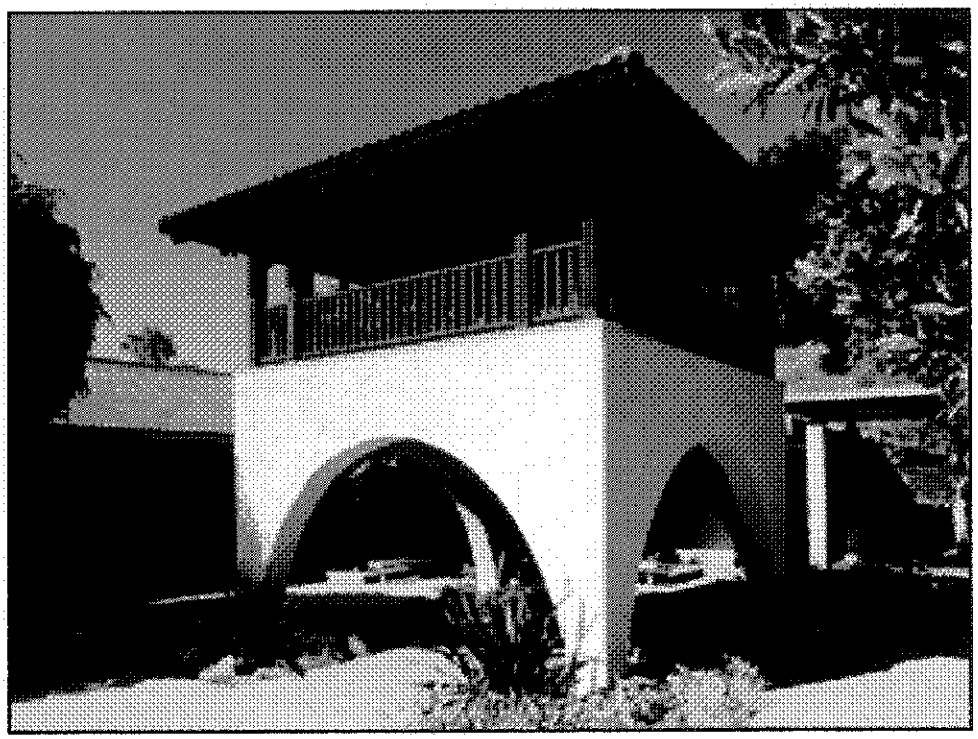
State of California, County and City of Los Angeles

Signed: _____ Notary	Signed: _____ Notary
Subscribed and sworn to before me this 15th day of, November 20 04	Subscribed and sworn to before me this 16th day of, November 20 04
(NOTARY or CORPORATE SEAL)	(NOTARY)

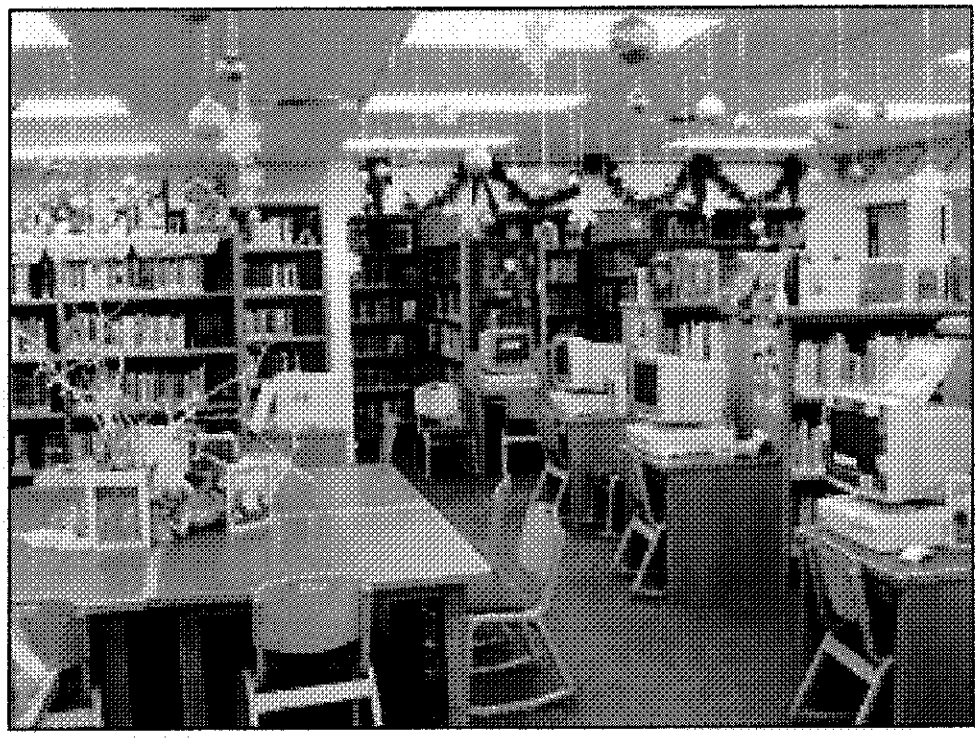
* If acting for a corporation, include capacity and company name.

DIANE E. LAWS-BROWN
Commission # 1405167
Notary Public - California
Los Angeles County
My Comm. Expires Mar 11, 2007

FAYE D. REIDELBACH
Commission # 1367313
Notary Public - California
Los Angeles County
My Comm. Expires Jul 29, 2006

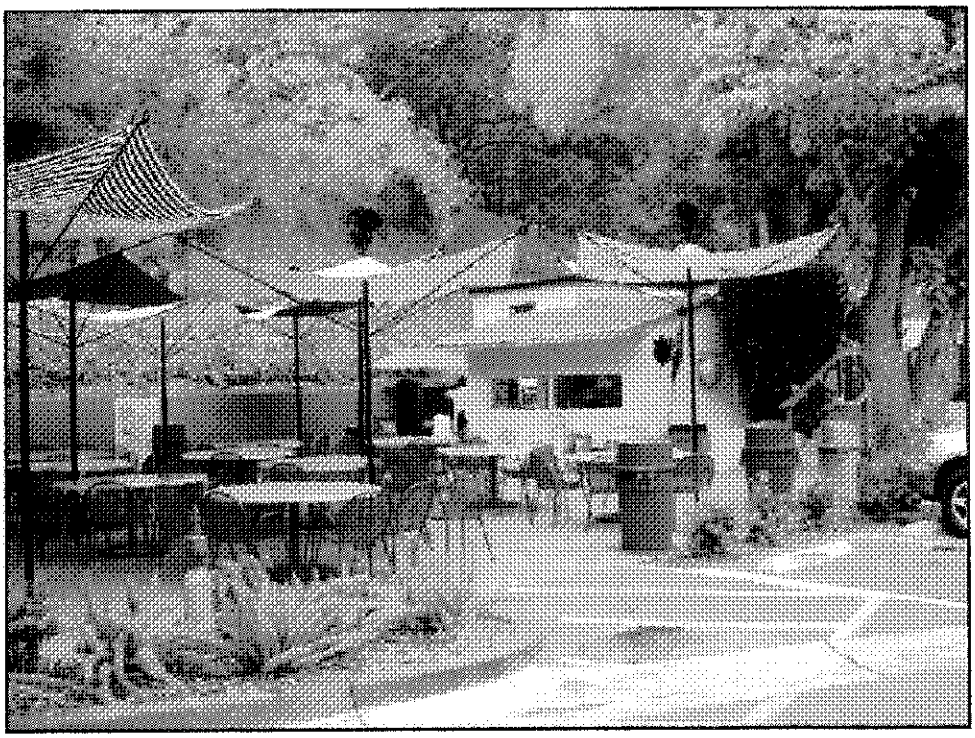


View of Bell Tower.

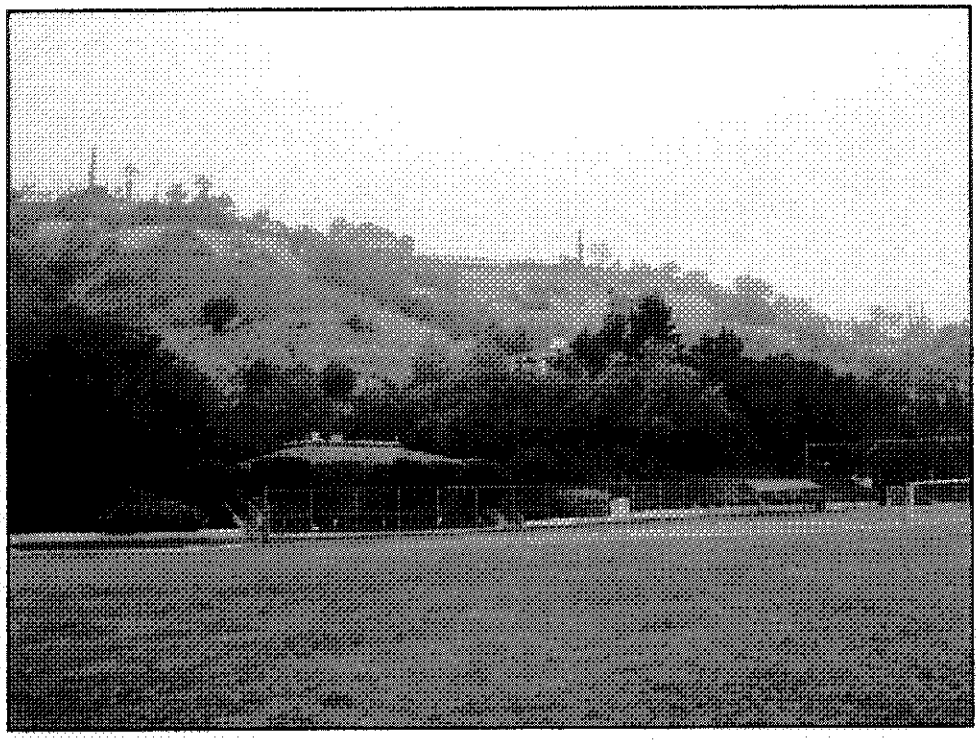


View of Library.

Source: PCR Services Corporation, 2004



View of outdoor eating area.



View of athletic field.

Source: PCR Services Corporation, 2004

CITY OF LOS ANGELES

OFFICE OF THE CITY CLERK
ROOM 395, CITY HALL
LOS ANGELES, CALIFORNIA 90012

CALIFORNIA ENVIRONMENTAL QUALITY ACT

INITIAL STUDY AND CHECKLIST

(CEQA Guidelines Section 15063)

LEAD CITY AGENCY	COUNCIL DISTRICT	DATE
Los Angeles Department of City Planning	5	November 2004

RESPONSIBLE AGENCIES

PROJECT TITLE/NO.	CASE NO.
The Buckley School Campus Enhancement Plan	
PREVIOUS ACTIONS CASE NO.	☐ **DOES have significant changes from previous actions.** ☐ **DOES NOT have significant changes from previous actions.**

PROJECT DESCRIPTION:

The Buckley School, the project Applicant, proposes to enhance its existing campus facilities located at 3900 Stansbury Avenue in the Sherman Oaks community of the City of Los Angeles. The proposed enhancements are included within the Campus Enhancement Plan for the campus, the intent of which is to address the needs of existing and future school programs. Included within the Campus Enhancement Plan are vehicular circulation and queuing improvements, increased parking within a new semi-subterranean parking facility, the demolition of eleven buildings, construction of seven new/replacement buildings, additions to and renovation of two existing buildings, and the renovation of four other buildings. Pedestrian and vehicular access improvements would improve safety by separating students, faculty and staff from vehicles and would create a pedestrian-oriented campus. When accounting for 35,550 square feet of building area to be removed, development of these project components would add approximately 53,750 square feet of net new building area to the existing 99,150 square feet of building area currently on-site, resulting in a total building area of approximately 152,900 square feet upon completion of the project's three phases. The project, which would require a new conditional use permit to operate a school within the RE-40 zone, is estimated to be completed within a seven- to ten-year timeframe.

ENVIRONMENTAL SETTING:

The project site is located within a developed area in a canyon setting in the Santa Monica Mountains. The project site is surrounded on the north and east by residential uses, and to the east and south by lands owned by the Santa Monica Mountains Conservancy.

PROJECT LOCATION The project site is located at 3900 Stansbury Avenue in the in the Sherman Oaks Community of the City of Los Angeles. The campus is approximately 13 miles northwest of downtown Los Angeles and 12 miles northeast of the Pacific Ocean. The campus is located at the terminus of Stansbury Avenue and immediately to the east of Camino De La Cumbre. The San Diego Freeway is located approximately two miles to the west of the project site and the Ventura Freeway is located approximately one mile to the north of the project site. Other primary roadways in the vicinity of the site include Ventura Boulevard to the north, Mulholland Drive to the south, Beverly Glen Boulevard to the west and Coldwater Canyon to the east.

PLANNING DISTRICT/NEIGHBORHOOD COUNCIL	STATUS:
Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass	☐ **PRELIMINARY** ☐ **PROPOSED** ☒ **ADOPTED** **date: May 13, 1998**

EXISTING ZONING	MAX. DENSITY ZONING	
RE-40-1-H	N/A	☒ **DOES CONFORM TO PLAN**
PLANNED LAND USE & ZONE	**MAX. DENSITY PLAN**	
Educational Facilities-Conditional Use	N/A	☐ **DOES NOT CONFORM TO PLAN**
SURROUNDING LAND USES	**PROJECT DENSITY**	
Single Family Residential		☐ **NO DISTRICT PLAN**

X DETERMINATION (To be completed by Lead Agency)

On the basis of this initial evaluation:

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

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

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

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

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

SIGNATURE	TITLE

EVALUATION OF ENVIRONMENTAL IMPACTS:

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

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

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

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

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

   1) Earlier Analysis Used. Identify and state where they are available for review.
   2) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
   3) Mitigation Measures. For effects that are "Less Than Significant With Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

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

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

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

9) The explanation of each issue should identify:
   1) The significance criteria or threshold, if any, used to evaluate each question; and
   2) The mitigation measure identified, if any, to reduce the impact to less than significance.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☒ Aesthetics	☒ Hazards & Hazardous Materials	☐ Public Services
☐ Agricultural Resources	☒ Hydrology/Water Quality	☐ Recreation
☒ Air Quality	☒ Land Use/Planning	☒ Transportation/Traffic
☒ Biological Resources	☐ Mineral Resources	☐ Utilities/Service Systems (Hydrology Only)
☒ Cultural Resources	☒ Noise	☒ Mandatory Findings of Significance
☒ Geology/Soils	☐ Population/Housing	

INITIAL STUDY CHECKLIST (To be completed by the Lead City Agency)

X **BACKGROUND**

PROPONENT NAME	PHONE NUMBER

PROPONENT ADDRESS

AGENCY REQUIRING CHECKLIST	DATE SUBMITTED

PROPOSAL NAME (If Applicable)

X ENVIRONMENTAL IMPACTS

(Explanations of all potentially and less than significant impacts are required to be attached on separate sheets)

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS. Would the project:				
a. Have a substantial adverse effect on a scenic vista?	☐	☒	☐	☐
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings, or other locally recognized desirable aesthetic natural feature within a city-designated scenic highway?	☐	☒	☐	☐
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	☐	☒	☐	☐
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☒	☐	☐
II. AGRICULTURAL RESOURCES. In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b. Conflict the existing zoning for agricultural use, or a Williamson Act Contract?	☐	☐	☐	☒
c. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	☐	☐	☐	☒
III. AIR QUALITY. The significance criteria established by the South Coast Air Quality Management District (SCAQMD) may be relied upon to make the following determinations. Would the project result in:				
a. Conflict with or obstruct implementation of the SCAQMD or Congestion Management Plan?	☐	☒	☐	☐
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	☐	☒	☐	☐
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the air basin is non-attainment (ozone, carbon monoxide, & PM 10) under an applicable federal or state ambient air quality standard?	☐	☒	☐	☐
d. Expose sensitive receptors to substantial pollutant concentrations?	☐	☒	☐	☐

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
e. Create objectionable odors affecting a substantial number of people?	☐	☐	☒	☐
IV. BIOLOGICAL RESOURCES. Would the project:				
a. Have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations by the California Department of Fish and Game or U.S. Fish and Wildlife Service ?	☐	☒	☐	☐
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in the City or regional plans, policies, regulations by the California Department of Fish and Game or U.S. Fish and Wildlife Service ?	☐	☒	☐	☐
c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh vernal pool, coastal, etc.) Through direct removal, filling, hydrological interruption, or other means?	☐	☒	☐	☐
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☒	☐	☐
e. Conflict with any local policies or ordinances protecting biological resources, such as tree preservation policy or ordinance (e.g., oak trees or California walnut woodlands)?	☐	☒	☐	☐
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒
V. CULTURAL RESOURCES: Would the project:				
a. Cause a substantial adverse change in significance of a historical resource as defined in State CEQA §15064.5?	☐	☐	☐	☒
b. Cause a substantial adverse change in significance of an archaeological resource pursuant to State CEQA §15064.5?	☐	☐	☒	☐
c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐
d. Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☐	☒
VI. GEOLOGY AND SOILS. Would the project:				
a. Exposure of people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving :				

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☒	☐	☐
ii. Strong seismic ground shaking?	☐	☒	☐	☐
iii. Seismic-related ground failure, including liquefaction?	☐	☒	☐	☐
iv. Landslides?	☐	☒	☐	☐
b. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potential result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☒	☐	☐
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	☐	☒	☐	☐
e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
VII. HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials	☐	☐	☐	☒
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☒	☐	☐	☐
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for the people residing or working in the area?	☐	☐	☐	☒
g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	☐	☐	☐	☒
VIII. HYDROLOGY AND WATER QUALITY. Would the proposal result in:				
a. Violate any water quality standards or waste discharge requirements?	☐	☐	☒	☐
b. Substantially deplete groundwater supplies or interfere with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned land uses for which permits have been granted)?	☐	☐	☒	☐
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	☐	☒	☐	☐
d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in an manner which would result in flooding on- or off site?	☐	☒	☐	☐
e. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☒	☐	☐
f. Otherwise substantially degrade water quality?	☐	☐	☒	☐
g. Place housing within a 100-year flood plain as mapped on federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	☐	☐	☐	☒
h. Place within a 100-year flood plain structures which would impede or redirect flood flows?	☐	☐	☐	☒
i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	☐	☒	☐	☐
j. Inundation by seiche, tsunami, or mudflow?	☐	☒	☐	☐
IX. LAND USE AND PLANNING. Would the project:				
a. Physically divide an established community?	☐	☐	☐	☒
b. Conflict with applicable land use plan, policy or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☒	☐	☐

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
c. Conflict with any applicable habitat conservation plan or natural community conservation plan?	☐	☐	☐	☒
X. MINERAL RESOURCES. Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒
XI. NOISE. Would the project:				
a. Exposure of persons to or generation of noise in level in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐
b. Exposure of people to or generation of excessive groundborne vibration or groundborne noise levels?	☐	☒	☐	☐
c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☒	☐	☐
d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☒	☐	☐
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒
f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒
XII. POPULATION AND HOUSING. Would the project:				
a. Induce substantial population growth in an area either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b. Displace substantial numbers of existing housing necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
c. Displace substantial numbers of people necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. PUBLIC SERVICES. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a. Fire protection?	☐	☐	☒	☐
b. Police protection?	☐	☐	☐	☒
c. Schools?	☐	☐	☒	☐
d. Parks?	☐	☐	☐	☒
e. Other governmental services (including roads)?	☐	☐	☐	☒
XIV. RECREATION.				
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☒	☐	☐
XV. TRANSPORTATION/CIRCULATION. Would the project:				
a. Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to ratio capacity on roads, or congestion at intersections)?	☐	☒	☐	☐
b. Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	☐	☒	☐	☐
c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	☐	☐	☐	☒
d. Substantially increase hazards to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
e. Result in inadequate emergency access?	☐	☐	☒	☐
f. Result in inadequate parking capacity?	☐	☒	☐	☐
g. Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	☐	☒	☐	☐

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. UTILITIES. Would the project:				
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	☐	☐	☒	☐
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒	☐
c. Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☒	☐	☐
d. Have sufficient water supplies available to serve the project from existing entitlements and resource, or are new or expanded entitlements needed?	☐	☐	☒	☐
e. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	☐	☐	☒	☐
g. Comply with federal, state, and local statutes and regulations related to solid waste?	☐	☐	☐	☒
XVII. MANDATORY FINDINGS OF SIGNIFICANCE.				
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b. Does the project have impacts which are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects).	☐	☒	☐	☐
c. Does the project have environmental effects which cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

X DISCUSSION OF THE ENVIRONMENTAL EVALUATION (Attach additional sheets if necessary)

PREPARED BY	TITLE	TELEPHONE #	DATE
Stephanie Eyestone-Jones	Principal, Director of Environmental Planning and Documentation, PCR	310-451-4488	11/3/2005

See Attachment B: Explanation of Checklist Determinations

ATTACHMENT A
PROJECT DESCRIPTION

A. INTRODUCTION

The Buckley School (the "School"), the Project Applicant, proposes to enhance its existing campus facilities located at 3900 Stansbury Avenue in the Sherman Oaks Community of the City of Los Angeles. The proposed enhancements (the "Project") are included within the Campus Enhancement Plan for the campus, the intent of which is to address the needs of existing and future school programs. Included within the Campus Enhancement Plan are circulation and queuing improvements, increased parking within a new semi-subterranean parking facility, the demolition of eleven buildings, construction of seven new/replacement buildings, additions to and renovation of two existing buildings, and the renovation of four other buildings. Upon completion, a net addition of approximately 53,750 square feet of building area would be provided, resulting in a total of 152,900 square feet of educational facilities within the Project site.[1]

B. PROJECT LOCATION AND SURROUNDING USES

The Project site is located at 3900 Stansbury Avenue in the Sherman Oaks community of the City of Los Angeles. As indicated by Figure 1 on page A-2, The Buckley School campus is approximately 13 miles northwest of downtown Los Angeles and 12 miles northeast of the Pacific Ocean. The campus is located at the terminus of Stansbury Avenue and immediately to the east of Camino de la Cumbre. The San Diego Freeway is located approximately two miles to the west of the Project site and the Ventura Freeway is located approximately one mile to the north of the Project site. Other primary roadways in the vicinity of the site include Ventura Boulevard to the north, Mulholland Drive to the south, Beverly Glen Boulevard to the west and Coldwater Canyon to the east.

The Project site is located within a canyon setting on the north side of the Santa Monica Mountains. The Project site is surrounded on the north and west by residential uses, and to the

[1] *These building area square footage calculations refer to FAR program space and do not include areas such as exterior covered walkways, exterior covered balconies and roof overhangs. These exterior areas are not included in the Los Angeles Planning Code definition of floor area, but may be included in the Los Angeles Building Code definition of floor area.*

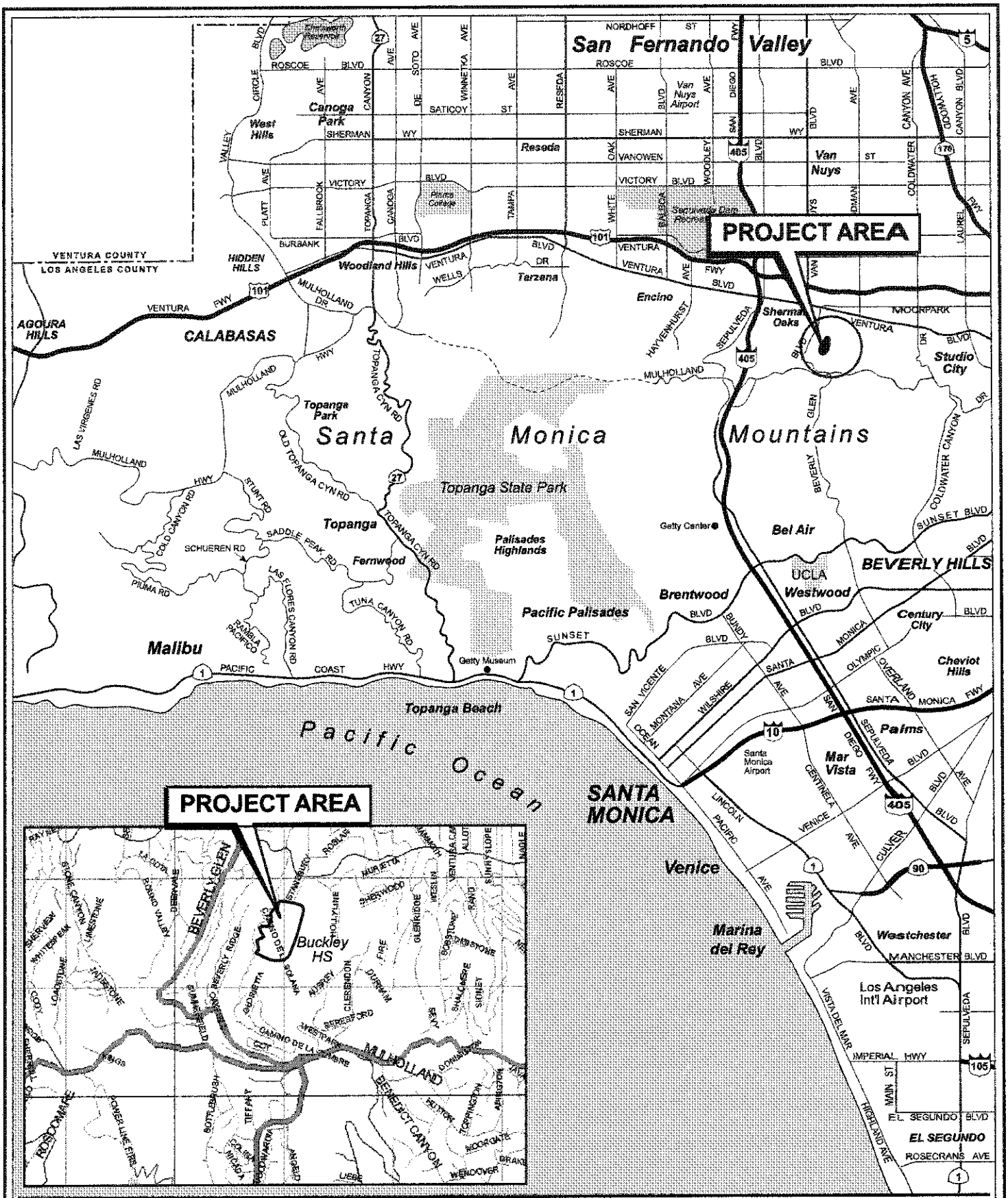


Figure 1
Project Location Map

east and south by land owned by the Santa Monica Mountains Conservancy (SMMC). Additional residential uses are located to the east and south of this land.

C. SITE BACKGROUND AND EXISTING CONDITIONS

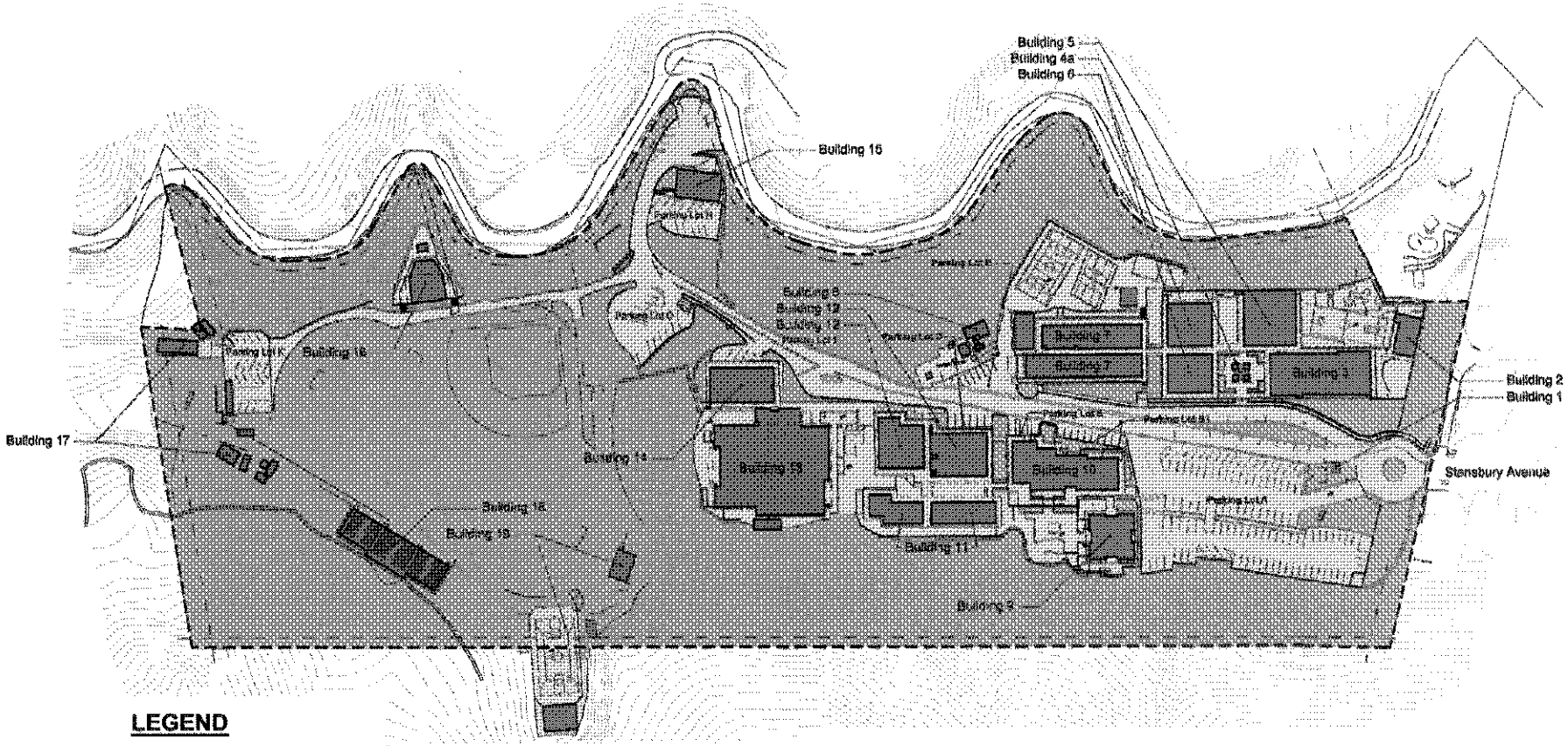
The Buckley School was founded by Dr. Isabelle Buckley in 1933. After purchasing land formerly occupied by the Glen-Aire Country Club, the school was moved to its current location in the late 1960s. With campus buildings constructed through the late 1970s, The Buckley School includes approximately 99,150 square feet of building area and 214 surface parking spaces within the existing 18.44-acre campus. The Buckley School also owns approximately 12.6 acres of vacant land, although not immediately adjacent, to the south of the campus.

The Buckley School enrolls approximately 750 students within Kindergarten through Grade 12. These grade levels are organized into three broader programs: the Lower School (Kindergarten through Grade 5); the Middle School (Grades 6 through 8); and the Upper School (Grades 9 through 12).

As shown in Figure 2 on page A-4, the Lower School is located within the northern portion of the campus and includes several buildings that comprise approximately 27,200 square feet of building area and provide 20 classrooms. The Middle and Upper Schools utilize several buildings located within the more central portions of the site. These buildings comprise approximately 67,700 square feet of building area and include 37 classrooms; the Disney Pavilion, which includes a swimming pool and gymnasium; and other accessory areas. The remainder of the campus structures comprise 4,950 square feet of building area and include an athletic field house, a guard house, and a maintenance building. Several temporary storage buildings are also located in areas of the site. Overall, existing buildings on site include approximately 99,150 square feet of building area. The existing campus buildings are one to two stories in height and include stucco exteriors and clay tile roofs, generally suggesting a Southern California vernacular architecture. In addition, an athletic field, basketball courts, and play areas are located within the campus.

Due to its canyon location on the northern side of the Santa Monica Mountains, the topography of the site varies from approximately 750 feet above mean sea level (asl) within the northern part of the Project site to more than 900 feet (asl) within the southern portion of the Project site. Primary access to the site is provided via Stansbury Avenue to the north. In addition, within the western portion of the site, a driveway provides very limited access via Camino de la Cumbre.

The Project site is zoned RE-40-1-H (Residential Estate, Height District 1, Hillside) pursuant to the City of Los Angeles Zoning Code. The Sherman Oaks-Studio City-Toluca Lake-



LEGEND

- Property Line
- Line of Setback
- Existing Building
- Proposed Building
- Overhang / Covered Walk
- Hardscape
- Added Site Area = 211,163 SF 4.85 Acres

Building Identification

Key No.	Building Name
1	Guard House
2	Lower School Arts Building
3	Assembly Room Building
4a	Bell Tower
4b	Miscellaneous Covered Walkways
5	K-1 Classroom Building
6	Lower School Building
7	Upper School Building
8	Milk House (5 Accessory Buildings)
9	Robert Young Library
10	Administration Building
11	Middle School Humanities Building
12	Upper School Humanities Building
13	Disney Pavilion (Main & 1 Accessory Building)
14	Science and Arts Classroom Building
15	Transportation Building
16	Field House (Main & 1 Accessory Building)
17	Maintenance Building (10 Accessory Buildings)
18	Field Grandstand
19	Outdoor Playcourt (5 Accessory Buildings)

Figure 2
Existing Site Plan

Source: Pica & Sullivan Architects, LTD., 2004

Cahuenga Pass Community Plan designates the site for Minimum Density Residential and Very Low Residential uses. The Community Plan also includes a notation identifying elementary, junior high and senior high school uses within the Project site. The existing school uses are permitted and operated on the site pursuant to an existing approved Conditional Use Permit (CU). Approximately 3.26 acres of the southern portion of the campus lie within the Mulholland Scenic Parkway Specific Plan area. Specifically, this southern portion of the site is located within the "Outer Corridor," as defined by the Mulholland Scenic Parkway Specific Plan.

Many of the school's existing facilities are aging and inadequate. Since the construction of The Buckley School, standards for modern classroom sizes have changed due to the additional space needed for computers and other interactive instructional areas. The science, fine arts, and performing arts instructional spaces within the site are also smaller than is standard for a modern coeducational college preparatory school. In addition, college preparatory curriculum has changed over time, requiring advanced, honors and college advanced placement sections, as well as regular classes, for most science and humanities courses. As a result, smaller numbers of students may participate in a course section, and more classrooms are needed to provide for the additional sections.

Since the original construction of The Buckley School, extra-curricular athletic program requirements have also changed substantially with the passage of Title IX of the U.S. Code, which requires high schools to offer equal and sufficient athletic opportunities to both girls and boys. This policy together with Buckley's "no cut" policy for Middle School athletic teams has created the need for additional athletic facilities space and associated storage space.

D. DESCRIPTION OF PROPOSED PROJECT

The Project Applicant, The Buckley School, proposes to enhance its existing campus through implementation of the Campus Enhancement Plan. The Campus Enhancement Plan addresses the needs of existing and future programs offered within the campus, including the provision of adequate teaching space for all educational levels, specialty teaching spaces, and multipurpose spaces for educational gatherings that cannot occur in a standard classroom. Included within the Campus Enhancement Plan are circulation and queuing improvements, increased parking within a new semi-subterranean parking facility, the demolition of eleven buildings, the construction of seven new/replacement buildings, additions to and renovation of two existing buildings, and the renovation of four other buildings. Additionally, pedestrian and vehicular access improvements would improve safety by separating students, faculty and staff from vehicles and would create a pedestrian-oriented campus with an identifiable center and an overall emphasis on landscape.

To fulfill the Project's objectives and goals, the Project would be developed in three phases, which each include one or two building components. The subphase components are

grouped as a single phase for operational and construction logistics, such as balancing cut and fill materials during a phase, facilitating continued school operation on site with the sequencing and relocation of classes during construction, and minimizing disruptions to neighbors. The proposed phases are organized as follows:

- Phase 1
  - Subphase 1-A: New Science Classroom Buildings A and B, Science and Arts Classroom Building addition and renovation, and Disney Pavilion addition and renovation (except Second Basement).
  - Subphase 1-B: Replacement Lower/Middle School Classroom Building, new Semi-subterranean Parking Facility, and replacement Guard House.
- Phase 2
  - Subphase 2-A: New Multipurpose/Dining Hall Building, Robert Young Library addition and renovation.
  - Subphase 2-B: Replacement/New Outdoor Competition Pool, replacement Field House, new Tennis Courts, Transportation Building addition, Field Grandstand removal, and Disney Pavilion Second Basement renovation.[2]
- Phase 3
  - Middle School Humanities Building renovation, Upper School Humanities Building renovation, and Administration Building renovation.

When accounting for approximately 35,550 square feet of building area to be removed, development of these Project components would result in a net increase of approximately 53,750 square feet of building area over the existing 99,150 square feet of building area on site, resulting in a total building area of approximately 152,900 square feet upon completion of the first two phases. All new buildings would be completed at the end of Subphase 2-B, since Phase 3 would involve only interior renovation that would not add new floor area. Refer to Table 1 on page A-7 for a breakdown of the approximate building areas to be added to the campus by phase. The additional educational space would allow The Buckley School to better serve its existing student population and to accommodate a modest increase in its enrollment without significant expansion of the campus from its existing area. As shown in Figure 3 on page A-8, the new structures would be located within the already developed areas of the campus, thus integrating new structures with existing development and minimizing effects on the slopes

[2] *Development of the proposed tennis courts could occur in Subphase 2-B or Phase 3. Regardless, total floor area by phase would not change, nor would associated impacts.*

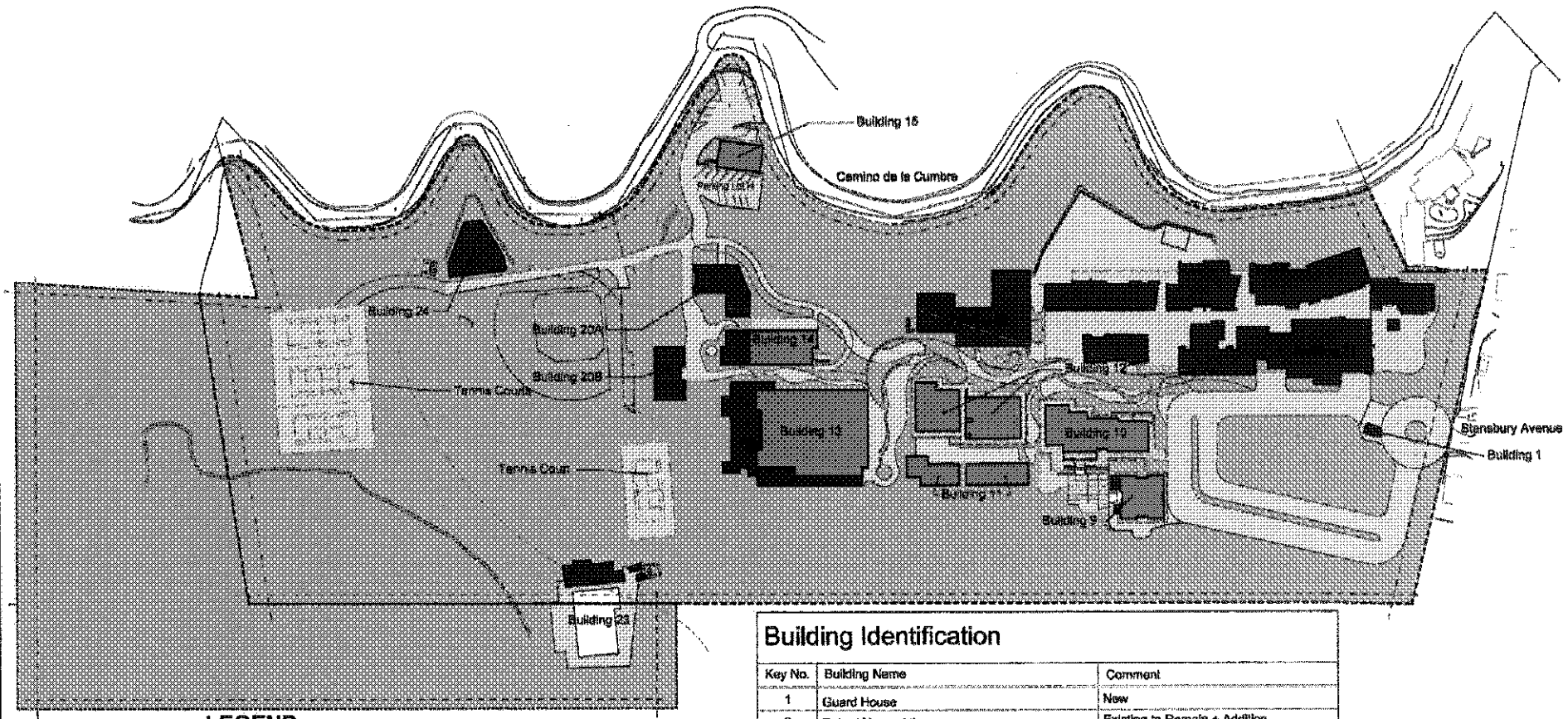
Table 1

Proposed Facilities

Project Phases and Building Components		New Building Area (approx. square feet) [a]
Phase 1		
Subphase 1-A:	New Science Buildings A & B, Science and Arts Classroom Building Addition and Renovation, and Disney Pavilion Addition and Renovation (except Second Basement)	20,200
Subphase 1-B:	Replacement Lower/Middle School Classroom Building with the New Semi-Subterranean Parking Facility, and Replacement Guard House	46,200
Phase 2		
Subphase 2-A:	New Multipurpose/Dining Hall Building, and Robert Young Library Addition and Renovation	13,550
Subphase 2-B:	Replacement/New Outdoor Competition Pool, Replacement Field House, Transportation Building Addition, Field Grandstand Removal, and Disney Second Basement Renovation	9,350
Phase 3		
Phase 3:	Middle School Humanities Building Renovation, Upper School Humanities Building Renovation, and Administration Building Renovation	0
Total New Building Area for all Phases		**89,300**
Total Building Area to be Removed		**- 35,550**
Net Area Increase in Building Area		**53,750**
Total Existing Building Area		**+ 99,150**
Total Building Area Upon Completion		**152,900**
Parking		**Spaces**
Semi-Subterranean Parking Facility		278
Various Remaining Surface Parking Spaces throughout Campus		28
Total Number of Parking Spaces on Campus		**306**

[a] *These building area square footage calculations refer to FAR program space and do not include areas such as exterior covered walkways, exterior covered balconies and roof overhangs. These exterior areas are not included in the Los Angeles Planning Code definition of floor area, but may be included in the Building Code definition of floor area.*

of the canyon and the natural vegetation. As discussed below, all of the proposed structures would be below the 40-foot height limitation set forth by the Mulholland Specific Plan Section 6D although several structures would be above the maximum 36 foot height limit for a residential hillside zone set forth by LAMC§12.21A 17(c). All of these new structures would have heights that are similar to or less than existing building heights on site. Each of the Project's three phases and associated components is described in more detail below.



LEGEND

	Property Line
	Line of Setback
	Existing Building
	Proposed Building
	Overhang / Covered Walk
	Hardscape

Building Identification

Key No.	Building Name	Comment
1	Guard House	New
9	Robert Young Library	Existing to Remain + Addition
10	Administration Building	Existing to Remain
11	Middle School Humanities Building	Existing to Remain
12	Upper School Humanities Building	Existing to Remain
13	Disney Pavilion (Main & 1 Accessory Building)	Existing to Remain + Addition
14	Science and Arts Classroom Building	Existing to Remain
15	Transportation Building	Existing to Remain
20	Science Classroom Building A	New
	Science Classroom Building B	New
21	Garage/ Elementary/ Middle School Building	New
22	Multipurpose/ Dining Hall Building	New
23	Competition Pool	New
24	Field Athletics Building	New

Figure 3
Conceptual Site Plan

Source: Pica & Sullivan Architects, LTD., 2004

1. Description of the Development Phases

a. Phase 1

Subphase 1-A: New Science Classroom Buildings A & B, Science and Arts Classroom Building Addition and Renovation, and Disney Pavilion Addition and Renovation (Except Second Basement Renovation)

Subphase 1-A would include the new Science Classroom Buildings A and B, the Science and Arts Classroom Building addition and renovation, and the Disney Pavilion addition and renovation. As shown in Figure 3 on page A-8, the new Science Classroom Buildings A and B would be built to the north of the athletic field, generally in the area of existing Parking Area G, south of the Disney Pavilion. These buildings would comprise a total building area of approximately 6,500 square feet. Both buildings would have a maximum height of 40 feet. These buildings would provide modern laboratory space for Middle and Upper School classes. The Buckley School proposes these buildings as the first new classroom buildings so that they can be used for flexible classroom space during the construction of Subphase 1-B.

The existing Science and Arts Classroom Building would be renovated and slightly enlarged by 2,200 square feet during this phase. Most of the science programs currently located on the second floor of the existing Science and Arts Classroom Building would be relocated to the New Science Buildings once those buildings are completed. The existing Science and Arts Classroom Building would then be modified to provide for Middle School classrooms and the first floor would be modified for use by the Visual Arts program. Renovating this building would also provide some classroom space for the Lower School during construction of Subphase 1-B. The building height would be increased by approximately 10 feet to a total of approximately 40 feet.

The Disney Pavilion would be renovated and expanded by approximately 11,500 square feet to accommodate the School's physical education program and to provide new performing arts instruction, performance and practice spaces. The building's height would not change. Only a small portion of the Disney Pavilion, approximately 900 square feet on the west side of the building, would be removed during this subphase to allow for the addition on the east and south sides of the building. The existing building would provide a visual buffer of the addition on the east side from view by neighbors up the canyon to the west of campus. The current indoor pool in the second basement would not be replaced with the new indoor play court until the new outdoor pool is built during Subphase 2-B. Total new building area for Subphase 1-A would be approximately 20,200 square feet.

Subphase 1-B: Replacement Lower/Middle School Classroom Building with New Semi-Subterranean Parking Facility, and Replacement Guard House

Subphase 1-B would include a new Lower/Middle School Classroom Building, a new semi-subterranean parking facility (the "Parking Facility"), and replacement of the existing Guard House. The new Lower/Middle School Classroom Building would consist of a group of six visually distinct classroom groupings that share the new semi-subterranean parking facility as a common structural platform. Seven existing buildings, including the existing Guard House, Lower School Arts, Assembly, K-1 Classroom, Lower School, and Upper School Buildings totaling approximately 27,200 square feet would be removed during Subphase 1-B to provide the necessary space for construction of the new building and parking facility. The new Lower/Middle School Classroom Building would be approximately 46,000 square feet in size. Although the building would have a formal height of less than 40 feet due to the sloping topography of the site and the Los Angeles Municipal Code definition of height, the individual classroom clusters would visually appear as single story buildings at various viewpoints, and finished heights would be consistent with existing building heights in that location. It is intended that the new building recreate the existing Lower School cluster of small buildings, while providing adequately sized classrooms and associated teacher and administration areas.

The new semi-subterranean Parking Facility would include two levels of parking to replace the existing 214-space surface parking lot within the northern portion of the campus. The facility would provide approximately 278 parking spaces including standard, compact and disabled-access spaces. There would also be approximately 28 surface parking spaces remaining throughout the campus generally for disabled-access, maintenance and service vehicle spaces. This would bring the total regular parking capacity to approximately 306 vehicles, thereby exceeding the 277 parking spaces that are required by the City, according to its Department of Building and Safety.

As discussed below, the Parking Facility would also increase capacity for vehicle queuing on campus during student drop-off and pick-up periods, thus eliminating the typical queuing of vehicles on Stansbury Avenue. The center of the drop-off/pick-up area, comprising approximately 21,330 square feet (0.49 acre), would be landscaped, thereby visually improving the views onto campus from Stansbury Avenue. In addition, a replacement 200-square-foot Guard House located near the main campus entrance would be built during this subphase. Total new building area for Subphase 1-B would be approximately 46,200 square feet.

Total new building area for Phase 1 would be approximately 65,300 square feet. It is anticipated that Subphases 1-A and 1-B would be constructed in immediate succession requiring

approximately 42 to 54 months for construction of both components. During some phases of construction up to two modular units may be required for displaced classrooms.[3]

b. Phase 2

Subphase 2-A: New Multipurpose/Dining Hall Building, and Robert Young Library Addition and Renovation

Subphase 2-A would include a new Multipurpose/Dining Hall Building and the Robert Young Library addition and renovation. As shown in Figure 3 on page A-8, the new Multipurpose/Dining Hall Building would be located on the west side of the campus along the proposed central pedestrian walkway. This new building would be approximately 11,250 square feet in area. The existing 700-square-foot Milk House and outdoor seating area would be removed to provide space for this new building. With the development at the Milk House site, excavation would be minimized since construction would occur within an existing developed area. The topographic location of this site would also screen the building from homes above the campus on Camino de la Cumbre. The building would be approximately 40 feet in height.

The Robert Young Library would be expanded by "filling in" internal space that is currently a two-level atrium in the building. Small additions would also be made to the rear/south side of the library, as shown in Figure 3 on page A-8. The new building area would add approximately 2,300 square feet, but would not change the existing building height. The additions would mainly be visible from the courtyard area shared by the Library and the Administration Building. In addition, an off-site business office that currently houses a few staff members would be relocated on site during this phase. Total new building area added during Phase 2-A would be approximately 13,550 square feet.

Subphase 2-B: New/Replacement Outdoor Competition Pool, Replacement Field House, New Tennis Courts, Transportation Building Addition, Field Grandstand Removal, and Disney Pavilion Second Basement Renovation

Subphase 2-B would include the new/replacement Outdoor Competition Pool, replacement of the Field House, the Transportation Building addition, Field Grandstand removal, and Disney Pavilion second basement renovation. During this subphase, a new outdoor competition pool would be built in the location of the current outdoor basketball and weight facility located on the east side of the athletic field as shown in Figure 3 on page A-8. The new pool would replace the current indoor pool in the Disney Pavilion second basement that would

[3] *The modular units would be approximately 28 feet by 70 feet in size and could each accommodate two classrooms.*

become an indoor court once the new pool is completed. The pool facility would include approximately 3,350 square feet for lockers, restrooms, training office, and storage. The pool facility would not include any classroom space.

The existing Field House would be removed to provide a site for the replacement Field House with approximately 5,500 square feet of restrooms, lockers, a weight training and conditioning room, and field storage. The existing deteriorated 2,000-square foot Field House (with accessory building) is under-sized for all of the physical education classes and athletic teams that The Buckley School offers and does not meet current Americans with Disabilities Act requirements.

To provide additional maintenance storage space, the existing Transportation Building would be incrementally enlarged by approximately 500 square feet. As part of this subphase, the existing Field Grandstand, Maintenance Building and the associated unattractive miscellaneous storage buildings currently located around the field would be removed. Removal of these facilities would promote a greener and more cohesive character throughout the athletic field area, thereby improving views of the campus from off-site vantages. In addition, four tennis courts would be introduced near the Athletic Field, with three tennis courts replacing existing Parking Lot K and the nearby Maintenance Buildings, and an additional court located in the southwestern portion of the field area, roughly between the new Outdoor Competition Pool and Disney Pavilion. The introduction of new tennis courts within the campus would reduce the need for students to use off-site tennis facilities, as occurs under existing conditions.[4] Total new building area added during Subphase 2-B would be approximately 9,350 square feet.

New building area for Phase 2 in total would be approximately 22,900 square feet. It is anticipated that Subphases 2-A and 2-B would be constructed in immediate succession, requiring approximately 28 to 40 months for construction of both components.

c. Phase 3

Middle School Humanities Building Renovation, Upper School Humanities Building Renovation, and Administration Building Renovation

Phase 3 would involve the renovation of the Middle School Humanities, Upper School Humanities, and Administration Buildings. The existing Middle School Humanities Building would be renovated to create more efficiently organized classrooms, tutorial rooms, and departmental offices without adding new floor area. The existing Upper School Humanities

[4] *Development of the proposed tennis courts could occur in Subphase 2-B or Phase 3. Regardless, total floor area by phase would not change, nor would associated impacts.*

Building would be renovated, without the addition of new building area, to create five larger and more adequately sized classrooms. The building's height would not change. No buildings would be removed during this phase.

The existing Administrative Building would be renovated during this phase to more efficiently organize the administration offices and reorganize the lower level to create six classrooms. No new building area would be removed or added and the building height would not change. Since all work in Phase 3 would consist of interior renovation work, it is possible that some elements of Phase 3 may be undertaken before, during and/or after Phases 1 and 2.

2. Proposed Site Access

As shown in Figure 3 on page A-8, primary access to the site would continue to be provided from Stansbury Avenue. However, with implementation of the Campus Enhancement Plan, all vehicles entering the campus through the Stansbury Avenue entrance would either drive directly to the drop-off/pick-up area or enter directly into the new Parking Facility. Parents, teachers, faculty, staff, students and visitors would not drive beyond the northern portion of the campus. The existing drive through the campus would become a pedestrian-oriented walkway designed and landscaped to be aesthetically compatible with The Buckley School's canyon setting. In addition to promoting the "greening" of the campus and alleviating visual impacts from off-site vantages, the new pedestrian walkway has been designed to provide sufficient and code-required emergency and fire vehicle access to the campus.[5]

The Parking Facility would also provide substantially increased vehicle queuing on campus during student drop-off and pick-up periods. This would allow the campus area currently used for the existing surface parking lot to become the student drop-off/pick-up area with an appreciably greater area for student loading and unloading than occurs with the existing campus layout. The new circulation layout would eliminate the typical queuing of vehicles on Stansbury Avenue and would reduce hardscape in the northern portion of the campus with the introduction of new landscaping within the center of the proposed drop-off/pick-up area, as discussed above.

3. Proposed Campus Operations

The Campus Enhancement Plan is proposed to address the instructional needs of existing and future programs provided by the School. In addition, the School is requesting a modest increase in enrollment beginning in the 2006–2007 school year with an initial enrollment

[5] *Upon completion of the Campus Enhancement Plan, approximately 75 percent of the campus would consist of undeveloped, landscaped pervious surfaces.*

increase of 20 students, followed by a phased enrollment increase of 10 students per year for six years, until the maximum enrollment cap of 830 students is reached in the 2011–2012 school year. The total increase of 80 students represents a modest 10.6 percent increase above the current enrollment of 750 students. To accommodate these students, up to nine additional faculty members, and up to five or six other additional staff, could occur during this same timeframe. A resulting total of 95 full-time and 5 part-time faculty members and 48 to 49 full-time staff could be present on site by 2012.

Under the provisions of the proposed new Conditional Use Permit (see Section E, below), the campus would be open for regular classroom instruction for up to 235 days per year with instruction to begin at 7:30 A.M. and be completed by 4:00 P.M. This timeframe would allow the School to stagger the start and end of classes between the Lower, Middle and Upper Schools, minimizing overlap of student drop-off and pick-up times. After school activities would follow regular instruction and would continue until 6:00 P.M. Additionally, the School would be open for extra-curricular activities some evenings Monday to Friday until 10:00 P.M., Saturdays from 8:00 A.M. to 6:00 P.M. (12 times a year), and Sundays from 12:00 P.M. to 6:00 P.M. (six times per year).

As part of the Campus Enhancement Plan, it is proposed that an easement over approximately 4.85 acres of Santa Monica Mountains Conservancy land that is located immediately to the south-southwest of the school property be granted to The Buckley School. In turn, an easement over approximately 12.6 acres of undeveloped non-adjacent land south of the campus that is owned by the School would be granted to SMMC. The easements would be beneficial to both the School and SMMC. Specifically, the School would be able to locate the new outdoor pool in an area where existing campus athletic facilities are currently located outside of the campus property line due to a long-standing encroachment and to utilize that already disturbed building area for similar uses. The SMMC would gain lands contiguous with the existing Fossil Ridge Park for recreational and habitat restoration purposes.

4. Project Phasing and Construction

Construction of the Project would be completed in three phases based on the Project components described above. Phases 1 and 2 are anticipated to be completed within a seven- to ten-year timeframe. Phase 3 would involve the interior renovation of three existing structures and would not involve the typical disruption associated with the construction of new facilities. Anticipated construction schedules for active construction phases 1 and 2 are as follows: Phase 1, 42 to 54 months; Phase 2, 28 to 40 months. The anticipated construction timeframe includes a break of approximately 12 to 24 months between the completion of Phase 1 and the beginning of Phase 2. Phase 3 may occur before, during and/or after Phases 1 and 2.

Implementation of the Project would require some modification of the existing topography. Much of the grading would occur in previously developed or paved areas. However, some grading activities would take place adjacent to the slopes that line the canyon. Grading would occur under Phases 1 and 2 and, overall, would require approximately 66,700 cubic yards of cut, 15,250 cubic yards of fill, and export of approximately 51,450 cubic yards, including approximately 48,500 cubic yards for excavation to build the semi-subterranean Parking Facility. All grading activities would comply with applicable City of Los Angeles grading requirements.

E. NECESSARY APPROVALS

Approvals required for development of the Campus Enhancement Plan would include, but may not be limited to, the following:

- Approval of a new Conditional Use Permit pursuant to LAMC §12.24, including plan approval and related site plan review findings.
- A modification of the height regulations pursuant to LAMC§12.24F to allow some building heights up to a maximum of 40 feet consistent with the Mulholland Specific Plan Section 6D in lieu of the maximum 36 feet permitted in a residential hillside zone pursuant to LAMC§12.21A 17(c).
- Approval of a parcel map approval to create two legal lots at the campus, one encompassing that portion of the campus within the Mulholland Scenic Parkway outer corridor, and the other encompassing that portion of the campus beyond the boundary of the outer corridor, and related Oak Tree removal approval from the Advisory Agency.
- A zone change for the 12.6-acre easement area granted to SMMC by The Buckley School from RE-40-1-H and RE-15-1-H to A-1-1, to be consistent with the adjacent park, and an amendment to the Community Plan (General Plan) to change the land use designation for this area from Minimum Density and Very Low Density Residential designations to Open Space.
- A zone change over certain SMMC land tied to Fossil Ridge Park from RE-15-1-H and RE-40-1-H Residential Zone to Agricultural Zone A-1 (City action dependant on/concurrent with the Project's zone change).
- Amend the Community Plan (General Plan) to change the land use designation of the entire Fossil Ridge Park and SMMC land tied to it from Minimum Density and Very Low Density Residential designations to Open Space. (City action dependant on/concurrent with the Project's zone change).

- Amend the Community Plan (General Plan) to change the land use designation of a small portion of the main Buckley campus from Very Low Density Residential designation to Minimum Density Residential designation to conform to the rest of the main campus property and create consistency with the RE-40-1-H zoning of the area.
- Demolition permits for approximately 35,550 square feet of existing building area and recreational facilities, as required.
- Certification of an Environmental Impact Report.
- Haul Route Permit for cut material.
- Review and approval from the Mulholland Scenic Parkway Design Review Board for the proposed Athletic Field Building and Outdoor Competition Pool in the Mulholland Scenic Parkway Specific Plan area.
- Grading, excavation, foundation, and associated building permits.
- Building Permits and Temporary Certificates of Occupancy for modular classroom facilities to be used during construction.
- Specific Plan Exception to allow expansion of an existing school use in the outer corridor of the Mulholland Scenic Parkway.
- Modification of building ordinances to allow outdoor pool to cross property lines.
- Other permits and approvals by the Regional Water Quality Control Board (RWQCB) and other agencies as deemed necessary.

ATTACHMENT B
EXPLANATION OF CHECKLIST DETERMINATIONS

The following discussion provides responses to each of the questions set forth in the City of Los Angeles (City) Initial Study and Checklist. The responses below indicate those issues that are expected to be addressed in an Environmental Impact Report (EIR) and demonstrate why other certain issues will not result in a potentially significant environmental impact and thus do not need to be addressed further in an EIR. Please note that the questions with responses that indicate a "Potentially Significant Impact" do not presume that a significant environmental impact would result from the Project. Rather, such responses indicate those issues that will be addressed in an EIR with conclusions of impact reached as part of the analysis within that future document.

I. AESTHETICS

a. Would the project have a substantial adverse effect on a scenic vista?

Potentially Significant Impact. The Project site is located within a canyon setting on the north side of the Santa Monica Mountains, north of Mulholland Drive. The Project site is surrounded on the north and west by residential uses, and to the east and south by generally undeveloped land owned by the Santa Monica Mountains Conservancy. Additional residential uses are located to the east and south of this land. Due to the Project's location at the base of the Santa Monica Mountains, the topography in the area varies greatly. Views from the surrounding residential properties and roadways may be altered as a result of the Project. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

b. Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcrops, and historic buildings, or other locally recognized desirable aesthetic natural feature within a city-designated scenic highway?

Potentially Significant Impact. Within the Project area, Mulholland Drive, Beverly Glen Drive and Coldwater Canyon have been designated as Scenic Highways in the Transportation Element of the City of Los Angeles General Plan.[1] In addition, the Mulholland

[1] *City of Los Angeles Planning Department, General Plan Transportation Element, Scenic Highways Map, 1998.*

Scenic Parkway Specific Plan (MSPSP) provides guidelines for the preservation of the scenic views and resources that exist within the MSPSP area. Due to the Project site's location in the Santa Monica Mountains, there is a potential for scenic resources to be located within the Project site, including trees, rock outcrops, and prominent ridges. Thus, the Project could potentially affect such resources. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project substantially degrade the existing visual character or quality of the site and its surroundings?

Potentially Significant Impact. The Campus Enhancement Plan (Enhancement Plan or the Project) proposes to renovate or make additions to existing structures or to build new facilities on generally previously disturbed areas on campus. To the extent possible, the Project would be integrated with the existing visual character of the site. The Project would be proactive in maintaining the existing vegetation on the adjacent hillsides, to the extent possible, and establishing new landscaping that would generally use native California plants. During implementation of the Enhancement Plan, a portion of the existing landscaping would be removed, new and renovated structures would be built, an internal pedestrian-oriented walkway would be constructed, and considerable portions of existing hardscape would be replaced by open space. Although these enhancements would be integrated into the existing setting, the Project would result in visual changes within portions of the campus.

Due to the canyon setting of The Buckley School (School), several of the adjacent residences have full or partial views of the existing campus. Some of the single-family residences are visually shielded by vegetation—both natural hillside vegetation and campus landscaping—while others are situated at vantage points that provide direct views of the entire canyon, including the School. Additionally, a portion of the School's property is located within the Outer Corridor of the MSPSP. Maintaining scenic views and the visual character of that area is a goal of the MSPSP. Therefore, consistency with guidelines established by the MSPSP, the City of Los Angeles General Plan, and the local Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass Community Plan has been taken into account in the design of the proposed structures and landscaping. There is the potential that the views available to surrounding residents may change as a result of the Enhancement Plan. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Potentially Significant Impact. Due to the proposed improvements to the School under the Enhancement Plan, additional security lighting would be installed on the campus. This security lighting would be placed in blind alleys and other low-use areas and would be motion activated. Additional nighttime illumination would be required for the limited purpose of providing pedestrian and parking safety for the students, staff, and faculty. The Enhancement Plan may introduce new reflective surfaces, such as windows and metallic features, which could result in a new source of glare to the surrounding sensitive receptors. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

II. AGRICULTURAL RESOURCES

a. Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, as shown the maps prepared pursuant to the Farmland Mapping Monitoring Program of the California Resources Agency, to non-agricultural uses?

No Impact. There is no Prime Farmland, Unique Farmland, or Farmland of Statewide Importance within The Buckley School site. In addition, no agricultural or related activities occur on the site. Therefore, no impacts to farmland would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

b. Would the project conflict with existing zoning for agricultural use, or Williamson Act contract?

No Impact. The School site is zoned primarily RE-40-1-H (Residential Estate, Height District 1, Hillside). Pursuant to the City of Los Angeles Planning and Zoning Code, agricultural uses are not permitted under this zoning designation. In addition, no agricultural uses are present on the site or in the vicinity and no lands within the Project site are under Williamson Act contract. The section of land over which the Santa Monica Mountains Conservancy (SMMC) is considering granting an easement to the School is zoned Agricultural (A-1). This land area currently includes a long-standing encroachment of School athletic facilities and trails as well as unoccupied open space. This area does not, nor has it in the past, served any agricultural purpose or been included in any Williamson Act program. Thus, no conflicts with agricultural uses or with Williamson Act contracts would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

c. Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use?

No Impact. The Project consists of the construction of several new buildings and renovation/remodeling of several other facilities on the existing campus. As there is no farmland in the vicinity of the Project, no impacts associated with the conversion of Farmland would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

III. AIR QUALITY

a. Would the project conflict with or obstruct implementation of the South Coast Air Quality Management District (SCAQMD) Plan or Congestion Management Plan?

Potentially Significant Impact. The State and Federal governments have set health standards for air pollutants, specifying levels beyond which the air is deemed unhealthful. The Project site is located in the South Coast Air Basin (Basin) and is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The Basin is currently in non-attainment for ozone (O_3) and fine particulate matter (PM_{10}) based on Federal, and thus State, air quality standards, as the State standards for California are more stringent than the Federal standards.[2] Together with the Southern California Association of Governments (SCAG), SCAQMD is responsible for formulating and implementing air pollution control strategies throughout the Basin. The Regional Air Quality Management Plan (AQMP) was adopted by SCAQMD in 2003 to establish a comprehensive air pollution control program that would lead to the attainment of State and Federal air quality standards.

As the Project could result in increases in air emissions from construction, vehicle trips, and stationary sources, it could potentially affect implementation of the AQMP. In addition, as the Project could potentially add vehicle trips to the surrounding roadways during construction and future operations, impacts relative to consistency with the Congestion Management Program (CMP) set forth by the Los Angeles County Metropolitan Transportation Authority (Metro) could occur. Therefore, it is recommended that these issues be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

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[2] *In addition, the Basin's official attainment status for carbon monoxide (CO) has not yet been reclassified by the U.S. Environmental Protection Agency (USEPA), although the Basin has technically met the national CO standards for attainment since 2002.*

b. Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Potentially Significant Impact. As discussed in Response III.a. above, the Project site is located within the Basin, which is characterized by relatively poor air quality. State and Federal air quality standards are often exceeded in many parts of the Basin, with Los Angeles County among the highest of the counties that compose the Basin in terms of non-attainment of the standards. As the Project could result in increased air emissions associated with construction and operation, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the air basin is in non-attainment (ozone, carbon monoxide, and PM_{10}) under an applicable federal or state ambient air quality standard?

Potentially Significant Impact. As stated in Response III.a. above, the Basin is currently in non-attainment for O_3 and PM_{10} based on Federal, and thus State, air quality standards. Since the Project could result in increases in air emissions from construction, vehicle trips, and stationary sources, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project expose sensitive receptors to substantial pollutant concentrations?

Potentially Significant Impact. Sensitive receptors in the Project vicinity consist primarily of the single-family residences adjacent to the School or along the roadways approaching the campus. On-site sensitive receptors include students, faculty, staff and visitors to the School. Construction and operation of the Project could result in increases in air emissions and thus, could impact nearby sensitive receptors. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

e. Would the project create objectionable odors affecting a substantial number of people?

Less Than Significant Impact. Objectionable odors are typically associated with industrial projects involving the use of chemicals, solvents, petroleum products, and other strong-smelling elements used in manufacturing processes. Objectionable odors are also associated with such uses as sewage treatment facilities and landfills. Activities and materials

associated with construction of the Project would be typical of construction projects of similar type and size. Very limited odors associated with Project operation could be generated by on-site waste generation and storage, the use of certain cleaning agents, and landscaping activities and would be consistent with existing conditions for an operating school. Any odors that may be generated during construction or operation of the Project would be localized and temporary in nature, and would not be sufficient to affect a substantial number of people or result in a nuisance as defined by SCAQMD Rule 402. Thus, impacts associated with the creation of objectionable odors would be less than significant. Further analysis of this issue is not recommended and no mitigation measures would be required.

IV. BIOLOGICAL RESOURCES

a. Would the project have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Potentially Significant Impact. The proposed Enhancement Plan would result in the development or improvement of buildings on areas of the campus that are generally already disturbed. The existing developed areas of the campus are presently landscaped with predominately non-native species while the adjacent slopes include natural vegetation. Although no clearly visible presence of endangered species have been observed on-site, a biological survey will be conducted and will include a review of all available and relevant data on the biological characteristics of the site as well as a physical site assessment to identify any candidate, sensitive, or special status species that may exist on the Project site. In addition, the biological survey will assess the potential impacts associated with oak trees, which are regulated by the City of Los Angeles Oak Tree Ordinance. As such, it is recommended that these issues be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

b. Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in the City or regional plans, policies, or regulations by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Potentially Significant Impact. The areas of the Project site to be developed or improved are generally characterized by the presence of structures, ornamental landscaping, hardscape, and paving. However, portions of several of the proposed structures may be located in areas of the site that include native and non-native vegetation. Additionally, the site contains three natural drainages that contain some riparian habitat. Thus, the biological survey to be

prepared will assess whether the Project would have any direct or indirect impacts on potential sensitive natural communities or riparian resources within the Project area. It is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Potentially Significant Impact. As indicated above, the Project would generally be constructed within areas that are developed, graded, and/or landscaped and are not expected to contain any federally protected wetlands as defined by Section 404 of the Clean Water Act. However, a biological survey will be conducted in order to determine conclusively whether wetlands are present on the Project site. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Potentially Significant Impact. The Project site is located in the northern portion of the Santa Monica Mountains and is surrounded by developed areas to the north and west and undeveloped land to the south and east. Within the Santa Monica Mountains native wildlife is still supported and animals are known to migrate through this transverse range. Although the Project site is developed, a biological survey will be conducted to assess the potential for native or migratory wildlife species to be affected by the Project. Thus, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

e. Would the project conflict with any local policies or ordinances protecting biological resources, such as tree preservation policy or ordinance (e.g., oak trees or California walnut woodlands)?

Potentially Significant Impact. As stated above, a biological survey will be conducted to assess any potential impacts to biological resources located within the Project site, including potential impacts to oak trees, which are regulated by the City's Oak Tree Ordinance. Therefore, it is recommended that the potential for the Project to conflict with any local policies or ordinances protecting biological resources be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

f. Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The Project site is not located within a designated Sensitive Ecological Area (SEA) within Los Angeles County.[3] In addition, there is no adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan in place for the Project site. Thus, no conflicts with such a plan would result from implementation of the Project and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required

V. CULTURAL RESOURCES

a. Would the project cause a substantial adverse change in significance of a historical resource as defined in State CEQA § 15064.5?

No Impact. The existing structures on the campus were completed between 1969 and 1978. Hence, the oldest structures on the campus are approximately 35 years of age. The initial criteria used for evaluation of a structure as an historic resource requires that the structure be at least 50 years of age unless "exceptional" significance is established. Due to the lack of sufficient age and any unique historical/architectural associations, none of the on-site structures appear eligible for Federal, State, or local historical designation, nor are they considered historic resources pursuant to Section 15064.5 of the State CEQA Guidelines. As such, removal or modification of several of the existing on-site structures under the proposed Campus Enhancement Plan would not cause a substantial adverse change in significance of a historic resource. Further analysis of this issue is not recommended and no mitigation measures would be required.

b. Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to State CEQA § 15064.5?

Less Than Significant Impact. The South Central Coastal Information Center (SCCIC) at California State University, Fullerton conducted a review of all previously recorded historic and prehistoric archaeological sites within a one-half mile radius of the Project site. The SCCIC also conducted a review of all known cultural resources reports that pertain to the area.[4] This

[3] *County of Los Angeles, Los Angeles County Significant Ecological Area Update Study, November 2000.*

[4] *South Central Coastal Information Center, California Historical Resources Information System, Records Search for 3900 Stansbury Avenue, Sherman Oaks, CA, Van Nuys 7.5' USGS Quad, September 2003.*

review indicates that there are no recorded prehistoric or historic archaeological resources located within a one-half mile radius of the Project site. In addition, any surficial archaeological resources that may have existed at one time have likely been disturbed during previous grading and development of the Project site. Additionally, the site of the campus was previously occupied by the Glen-Aire Country Club, and substantial amounts of fill were imported in the past to level and shape the canyon floor for a former golf course. Nevertheless, any accidental discovery of archaeological resources would result in a cease of work in the area and deposits would be treated in accordance with Federal, State, and local guidelines including those set forth in California Public Resources Code Section 21083.2. No additional study of this issue is recommended and further mitigation measures are not required.

c. Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Potentially Significant Impact. Though the Project site has been previously disturbed through grading and development, there is the potential of encountering paleontological resources as the Project site is underlain by surficial deposits of Quaternary Alluvium supported by bedrock deposits of the marine Late Miocene Modelo Formation.[5] This rock unit has produced several important vertebrate fossils within a half-mile radius of the Project site, hence, vertebrate fossils could potentially be encountered during excavation into the hillsides or below the uppermost Quaternary Alluvium. Therefore, further analysis of this issue is recommended and will be documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project disturb any human remains, including those interred outside of formal cemeteries?

No Impact. According to the SCCIC, no historic archaeological sites have been identified within a one-half mile of the Project site, including formal cemeteries or known burial sites. Therefore, while the Project would involve excavation to greater depths than previous on-site development required, the disturbance of human remains is not expected to occur with Project implementation. Should human remains be uncovered during construction activities on the Project sites, relevant State and Federal guidelines, as well as the procedures outlined in State CEQA Guidelines Section 15064.5(e), would be required to be followed. Thus, impacts associated with the disturbance of human remains would not occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

[5] *Natural History Museum of Los Angeles County, Vertebrate Paleontology Section Research, August 2003.*

VI. GEOLOGY AND SOILS

a. Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

(1) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Potentially Significant Impact. According to the California Geologic Survey within the Department of Conservation, the Project site is not located within an Alquist-Priolo Earthquake Fault Rupture Hazard Zone.[6] However, active named faults exist within the general vicinity of the Project site and include the Northridge Thrust fault, the Hollywood fault, the Malibu Coast fault, and the Newport-Inglewood fault.[7] According to the California Geologic Survey, un-named and potentially active and inactive faults are also located in the general area. Risk associated with seismic activity or earthquake fault rupture from these local faults would exist with or without implementation of the Project and would be similar to risks that are present throughout most of southern California. It is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

(2) Strong seismic ground shaking?

Potentially Significant Impact. Located in the seismically active southern California region, California Building Code Seismic Zone IV, the Project site would likely experience strong ground motion from earthquakes occurring on neighboring active faults. The nearest locally active fault line is the Northridge fault located 6.5 miles northwest of the School. Although School facilities are currently safely operated on the site under such seismic conditions, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

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[6] *California Department of Conservation, California Geologic Survey, Alquist-Priolo Fault Rupture Hazard Zones Index Map 4D, updated September 26, 2003.*

[7] *California Department of Conservation, California Geologic Survey, Digital Database of Faults from the Fault Activity Map of California and Adjacent Areas, 1994.*

(3) Seismic-related ground failure, including liquefaction?

Potentially Significant Impact. As delineated on the Van Nuys Seismic Hazard Zone Map, the Project site is not located within a liquefaction zone.[8] Additionally, a high groundwater table is not present below the site and the earth materials are fine grained and not subject to liquefaction. Although seismic-related ground failure such as liquefaction is not anticipated, it is recommended that this issue be analyzed further as part of a broader geotechnical investigation and documented in an EIR, with feasible mitigation measures incorporated, as necessary.

(4) Landslides?

Potentially Significant Impact. The Project site is located within a delineated landslide hazard zone as mapped in the Van Nuys Seismic Hazard Zone Map. Although the Project's design integrates new construction within the existing topography of the site, the Project proposes some modification to the slopes within the Project site, and a potentially adverse affect due to landslides could result. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

b. Would the project result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact. The Enhancement Plan would require approximately 66,700 cubic yards of cut and 15,250 cubic yards of fill. The remaining soil to be exported from the campus would be approximately 51,450 cubic yards. Prior to its exportation from the Project site, Best Management Practices (BMPs) outlined in the City of Los Angeles Development Best Management Practices Handbook would be implemented during the construction phase of every Project component. In accordance with National Pollutant Discharge Elimination System (NPDES) permit requirements, a Storm Water Pollution Prevention Plan (SWPPP) would be required. This SWPPP would include BMPs and erosion control measures to reduce pollution in storm water discharge to levels that comply with applicable water quality standards. In addition, as discussed below in detail in Section VIII, Standard Urban Stormwater Mitigation Plan (SUSMP) provisions would be implemented throughout the operational life of the Project that would assist in reducing on-site erosion. Implementation of regulatory requirements would reduce the potential for soil erosion to below significant levels. Therefore it is not recommended that this issue be analyzed further, nor is mitigation necessary.

[8] *California Department of Conservation, Division of Mines and Geology, Seismic Hazard Zones, Van Nuys Quadrangle, 1998.*

c. Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslides, lateral spreading, subsidence, liquefaction, or collapse?

Potentially Significant Impact. As discussed in Response VI.a.(4), the site is located in a delineated landslide zone and is known to contain fill soils. Therefore, it is recommended that impacts related to unstable geologic units or soils be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

Potentially Significant Impact. Expansive soils are typically associated with fine-grained clayey soils that have the potential to shrink and swell with repeated cycles of wetting and drying. As the nature of the soil structure on the Project site is not known at this time, it is recommended that the potential for impacts related to expansive soils be further analyzed and documented in an EIR with feasible mitigation measures incorporated, as necessary.

e. Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

No Impact. The Project site would be served by existing sewer infrastructure and no septic tanks or alternative wastewater disposal systems would be required. As such, no impacts associated with the ability of the soils to adequately support the use of such systems would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

VII. HAZARDS AND HAZARDOUS MATERIALS

a. Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

No Impact. Typical of educational uses, operation of the Project would involve the use and storage of small quantities of potentially hazardous materials in the form of cleaning solvents and pesticides for landscaping, consistent with existing operations on the site. All potentially hazardous materials would be contained, stored, and used in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. Any associated risk would be adequately reduced to a less than significant level through compliance with these standards and regulations. During project operations, limited amounts of chemicals

could also be used in conjunction with the School's science labs, as occurs under existing conditions. Existing school policy prohibits the disposal of corrosive materials in the plumbing system. As is done currently, under the Project any material that is used in class experiments or demonstrations would continue to be properly stored on-site temporarily and ultimately removed and disposed of by a licensed vendor under contract to the School.

Based on the above, the Project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials and no impacts would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

b. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Potentially Significant Impact. As discussed in Response VII.a., above, typical of educational uses, operation of the Project would involve the use and storage of small quantities of potentially hazardous materials. All potentially hazardous materials would be contained, stored, and used in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. Any associated risk would be adequately reduced to a less than significant level through compliance with these standards and regulations.

Construction of the Enhancement Plan could also involve the on-site use of diesel or petrochemical fuels and other materials typical of construction-related activities. As with operation of the Project, all potentially hazardous materials used during construction would be contained, stored, and used in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. Any associated risk would be adequately reduced to a less than significant level through compliance with these standards and regulations.

Additionally, other hazardous materials may be present in the buildings on the existing campus, as a result of the timeframe in which they were constructed. The existing structures on the campus were constructed in the late 1960's to mid-1970's (prior to regulation of certain hazardous materials in 1979). As such, asbestos-containing materials (ACM) are present in some buildings on-site. However, an Operations and Maintenance Program for Asbestos-Containing Materials has been completed and implemented for the Project site.[9] This program includes initial cleaning requirements that have been implemented, routine inspection

[9] *Operations and Maintenance Program for Asbestos Containing Materials for the Buckley School, last updated September 8, 2004.*

procedures, and removal procedures, all of which ensure that staff and students do not come into contact with ACM. Previous survey activities have indicated that lead-based paints (LBPs) are not present on-site.[10] In the event that ACM are encountered during demolition, an ACM survey would be required in accordance with SCAQMD Rule 1403. Any removal of these materials would be performed by a State-certified asbestos containment contractor. These materials would be disposed of in a Class 1 landfill, as outlined under City of Los Angeles rules and regulations. Mandatory compliance with applicable standards and procedures would reduce risks associated with ACM to acceptable levels. As such, no impacts associated with the removal of these materials during demolition would occur.

The site does contain underground storage tanks (USTs) that are no longer utilized. Therefore, it is recommended that further analysis of this issue be included in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. Other than the School itself, there are no schools located within one-quarter mile of the Project site. As discussed above, the Project would include only limited use of hazardous materials in the form of cleaning solvents and pesticides, similar to the materials used by residential uses in the area or limited use in science classrooms consistent with existing use. Students, faculty, and staff of the School would not be at risk due to the use of these materials or limited use in science classrooms consistent with existing use, as such use of these materials would occur in accordance with applicable standards and regulations. No acutely hazardous materials, substances, or waste would be handled on-site subsequent to Project implementation. Therefore, no impacts related to the emissions or handling of hazardous materials would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

d. Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment?

No Impact. The Project site has been used as a school since the late 1960's and was a country club prior to its existing use. The site is not included on a list of hazardous materials

[10] *Personal communication between Curtis Covington, Facilities Director at The Buckley School and Joe Pica, Pica+Sullivan Architects, Ltd., October 19, 2004.*

sites pursuant to Government Code Section 65962.5 and does not represent a significant hazard to the public or to the environment. Therefore, the Project would not create a significant hazard to the public or the environment and no impacts would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

No Impact. The Project site is not located within an airport land use plan or within two miles of a public airport or public use airport. The nearest public airport is the Van Nuys Airport, which is located approximately 5 miles northwest of the site. Thus, no safety hazard impacts related to airports would result. Further analysis of this issue is not recommended and no mitigation measures would be required.

f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for the people residing or working in the area?

No Impact. The Project is not within the vicinity of a private airstrip and therefore would not result in a safety hazard for people residing or working in such an area. Thus, no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

g. Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

No Impact. Primary access to the Project site is provided from Stansbury Avenue, which can be accessed from several minor and major local surface streets including Ventura Boulevard and Valley Vista Boulevard via Beverly Glen and Ventura Boulevards. Emergency access is also available via Camino De La Cumbre to the west of the site.

Construction and operation of the Project would not result in the temporary or permanent closure any of the aforementioned streets or any other street in the vicinity. Construction activities and staging areas would be confined to the Project site so as not to physically impair access to and around the site. In addition, on-site access improvements would reduce queuing in the Project area, thus improving access within the Project vicinity. Furthermore, the School would modify its emergency response and evacuation procedures to accommodate the proposed improvements. No significant impacts to an emergency response plan or emergency evacuation

plan would occur. Further analysis of this issue is not recommended and no mitigation measures would be required

h. Would the project expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

No Impact. The Project site is located within the Very High Fire Hazard Severity Zone as defined in the City of Los Angeles Municipal Code.[11] Much of the surrounding hillside areas that are within the Santa Monica Mountains are also within this zone. Due to the School's location in the Very High Fire Hazard Severity Zone, the site is subject to certain requirements such as brush clearing regulations, greenbelt requirements, and the use of fire resistant plants and materials to reduce the potential for wildland fires to spread. Furthermore, the Municipal Code outlines safety standards to further reduce any potential impacts associated with wildland fires. Standard fire protection devices, including fire hydrants and sprinklers, would be incorporated as part of the Project, and appropriate emergency evacuation procedures would be adopted to ensure the safety of students, faculty, staff, and visitors of the school. Specifically, the Project would involve the relocation of two existing fire hydrants and the introduction of four new hydrants, subject to review and approval by the Los Angeles Fire Department (LAFD). As such, the Project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

VIII. HYDROLOGY AND WATER QUALITY

a. Would the project violate any water quality standards or waste discharge requirements?

Less Than Significant Impact. Project-related construction activities have the potential to affect surface water quality as the result of minor soil erosion (during grading and soil stockpiling), subsequent siltation, and conveyance of other pollutants into municipal storm drains during the Project construction phase. In accordance with regulations set forth by the Los Angeles Regional Water Quality Control Board (RWQCB) and the City of Los Angeles, Project construction activities would require a Notice of Intent to comply with the State Construction Activity General NPDES Permit (Order No. 99-08-DWQ). As part of these requirements, preparation of a Storm Water Pollution Prevention Plan (SWPPP) would be required. The

[11] *The Very High Fire Hazard Severity Zone replaced the Mountain Fire District and Fire Buffer Zone as established in the Los Angeles Municipal Code, Chapter 5, Article 7, Section 57.25, 1999 and identified in the Safety Element of the Los Angeles City General Plan. The boundary of the district remains the same.*

SWPPP would include BMPs and erosion control measures to reduce pollution in storm water discharge to levels that comply with applicable water quality standards.

In addition, as indicated above, Project operations would comply with the City's Standard Urban Storm Water Management Plan (SUSMP) requirements. Under the SUSMP, the Project would be required to ensure that post-development peak storm water runoff discharge rates would not exceed the estimated pre-development rates such that there would be an increased potential for downstream erosion. The SUSMP requirements also include, but are not limited to, the following: minimizing storm water pollutants of concern; providing storm drain system stenciling and signage; containing properly designed outdoor material storage areas; containing properly designed trash storage areas; and providing proof of ongoing BMP maintenance. On-site parking facilities, to the extent applicable, would be required to: infiltrate runoff before it reaches the storm drain system; treat runoff before it reaches the storm drain system; treat to remove oil and petroleum hydrocarbons; and ensure adequate operation and maintenance of treatment systems. Implementation of these SUSMP requirements would ensure that operation of the Project would not violate any water quality standards or waste discharge requirements. Compliance with relevant State and local regulations would ensure that the Project would not violate any water quality standards or waste discharge requirements. Impacts would be less than significant and no mitigation measures would be necessary.

b. Would the project substantially deplete groundwater supplies or interfere with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned land uses for which permits have been granted)?

Less Than Significant Impact. The Project site is located in the Santa Monica Mountains and is well beyond the regional groundwater basin and the spreading ground for groundwater recharge.[12] Groundwater levels in the City of Los Angeles are maintained through an active process via spreading grounds and recharge basins. Although open spaces do allow for seepage of water into smaller unconfined aquifers, the larger groundwater sources within the City of Los Angeles are actively recharged and supply the City with approximately 11 percent of its water supply.[13] Additionally, groundwater use is regulated by the City of Los Angeles, and most private wells have been capped and/or abandoned within the city boundary. The Enhancement Plan would alter the amount of pervious as well as impervious surfaces on-site,

[12] *Los Angeles Citywide General Plan Framework, Draft Environmental Impact Report, Figure WR-1, January 1995.*

[13] *City of Los Angeles Department of Water and Power, Urban Water Management Plan, 2001-2001.*

with the introduction of new landscaping, hardscape features, and changes in building footprints. The resulting alterations would not be sufficient to substantially interfere with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table. Therefore, impacts associated with groundwater supplies or groundwater recharge would be less than significant. Further analysis of this issue is not recommended and mitigation measures would not be required.

c. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?

Potentially Significant Impact. Due to the change in impervious surfaces resulting from Project development, the amount of runoff originating from the site may be affected. This change in runoff quantities and the introduction of several new structures within areas of the site containing drainage features could alter existing drainage patterns. During construction, erosion could affect water quality; however, as indicated above, compliance with the State Construction Activity General Permit (Order No. 99-08-DWQ), including the preparation of a SWPPP, implementation of erosion control BMPs, and compliance with the City's grading permit regulations, would reduce pollution impacts associated with on- and off-site erosion and siltation to less than significant levels. In addition, during the operational phase of the Project, SUSMP provisions would be implemented that would assist in reducing on- and off-site erosion and siltation.

Nonetheless, given the potential alteration of drainage patterns and the potential to affect off-site areas, it is recommended that further analysis of this issue be conducted and addressed in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site.

Potentially Significant Impact. Implementation of the Enhancement Plan would result in a change in the amount of impervious surfaces within the Project site. This would result in a slight change in the amount of surface water runoff from this site. An increase in the amount of runoff originating from the site could potentially result in an increase in localized flooding on- and off-site. In addition, as discussed above, the introduction of several new structures within areas of the site containing drainage features could alter existing drainage patterns. Thus, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

e. Would the project create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Potentially Significant Impact. As indicated above, implementation of the Project could result in a change in storm water runoff quantities. Although relative to storm drain capacity this change would not be substantial, the introduction of several new structures within areas of the site containing drainage features could alter existing drainage patterns. Therefore, further analysis of drainage issues in an EIR is recommended with feasible mitigation measures incorporated, as necessary

f. Would the project otherwise substantially degrade water quality?

Less Than Significant Impact. As indicated above, with compliance with State and local agencies regarding water quality during construction and subsequent operation of the Project, significant impacts associated with polluted runoff would not occur. Further analysis of this issue is not recommended and no mitigation measures are necessary.

Polluted runoff would be treated through preparation of a SWPPP, in accordance with the Construction Activity General Permit (Order No. 99-08-DWQ), and SUSMP provisions during the operational life of the Project. As such, it is anticipated that the Project would not result in substantial additional sources of polluted runoff and no significant impact would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

g. Would the project place housing within a 100-year flood plain as mapped on federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

No Impact. The Project does not propose development of residential housing, nor is the Project located with a 100-year flood plain.[14] Accordingly, no impacts associated with flooding would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

[14] *City of Los Angeles, Safety Element of the Los Angeles City General Plan, Safety Element Exhibit F, November 1996.*

h. Would the project place within a 100-year flood plain structures which would impede or redirect flood flows?

No Impact. The Project is not located within a 100-year flood plain.[15] Therefore, no impacts associated with placement of a structure within a 100-year flood plain would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

i. Would the project expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?

Potentially Significant Impact. There is an existing drainage feature that flows into the southern end of the property. Portions of the campus may be subject to localized flooding during a storm event. In addition, as discussed above, the introduction of several new structures within areas of the site containing drainage features could alter existing drainage patterns. As such, analysis of drainage, including the potential for localized flooding, is recommended in an EIR, with feasible mitigation measures incorporated, as necessary.

The Project site is not, however, located within a dam failure area as delineated on the Los Angeles County Inundation Hazard Area Map.[16] Therefore, the campus is not at risk of inundation from flooding as a result of a dam failure. Further analysis of this sub-issue is not required.

j. Would the project cause inundation by seiche, tsunami, or mudflow?

Potentially Significant Impact. The Project site is approximately 10 miles from the Pacific Ocean at an elevation of approximately 780 feet above mean sea level. Therefore, tsunamis (seismic sea waves) are not considered a hazard at the site. Furthermore, according to the County Seismic Safety Element (1990), the site is not located downslope of a large body of water that could adversely affect the site in the event of earthquake induced failures or seiches. Mudflows usually result when surface water runoff is allowed to overtop a slope or drainage and infiltrate the upper soils, thereby over-saturating the soils and causing them to move down slope. Although mudflows are not expected to result from the implementation of the Project, due to the canyon setting of the campus further analysis of this issue is recommended as part of the drainage analysis to be included in the EIR, with feasible mitigation measures incorporated, as necessary.

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[15] *Ibid.*

[16] *County of Los Angeles, General Plan Safety Element, Inundation Hazard Area Map, 1993.*

IX. LAND USE AND PLANNING

a. Would the project physically divide an established community?

No Impact. The Project is located within the Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass Community Plan area of the City of Los Angeles with a portion of the southern end of campus located within the Outer Corridor of the MSPSP. Single-family residences are located north and west of the site. The Project would take place on the existing School campus that has been in its present location since the late 1960's. Therefore, the Project would not modify or physically divide an established community, and no impacts would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

b. Would the project conflict with applicable land use plan, policy or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

Potentially Significant Impact. Locally, development of the Project site and surrounding area is guided by the Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass Community Plan, which implements specific land use policy standards of the Los Angeles Citywide General Plan Framework and identifies private school uses on the Project site. In addition, as indicated above, a portion of the southern end of campus is located within the Outer Corridor of the MSPSP. Regionally, development of the Project site is guided by the policies set forth in SCAG's Regional Comprehensive Plan and Guide (RCPG), which is intended to serve as a framework for decision-making with respect to the growth and changes that can be anticipated through the year 2015. The Project site is zoned primarily RE-40-1-H (Residential Estate, Height District 1, Hillside) pursuant to the City of Los Angeles Planning and Zoning Code. This zone allows a minimum lot size of 40,000 square feet with the floor area of the main building not to exceed three times the building area of the lot. The Project site is currently the subject of a Conditional Use Permit (CPC 179967), which addresses uses and structures permitted on the site. It is recommended that the Project's consistency with each of the applicable plans, as well as existing zoning regulations, be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary. Also to be addressed in the EIR are the potential easements that will provide the SMMC with access to an additional 12.6 acres for open space and provide the school as much as 4.85 acres for recreational and education uses, and related zone changes and plan designations changes.

c. Would the project conflict with any applicable habitat conservation plan or natural community conservation plan?

No Impact. Much of the area proposed for development within the Project site has been previously developed and graded and used for educational uses since the late 1960's. The Project site is not located within a designated SEA within the Los Angeles County.[17] There is no adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan in place for the Project site. Thus, no conflicts with such a plan would result from implementation of the Project and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required. However, as indicated above, analysis of potential impacts to biological resources would be addressed as part of an EIR, with feasible mitigation measures incorporated, as necessary.

X. MINERAL RESOURCES

a. Would the project result in the loss or availability of a known mineral resource that would be of value to the region and the residents of the state?

No Impact. The Project site is not listed as a potential or existing mineral resource extraction area for the State of California.[18] Additionally, the Project site's land use, as defined by the City of Los Angeles General Plan or the Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass Community Plan, is not designated as a mineral extraction land use. Therefore, the chances of uncovering mineral resources during construction and grading would be minimal. As such, implementation of the Project would not result in the loss or availability of a known mineral resource that would be of value to the region and the residents of the State and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required

b. Would the project result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No Impact. As stated in Response X.a. above, the Project site is not located within a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan. In addition, as indicated above, the Project would generally be

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[17] *County of Los Angeles, Los Angeles Significant Ecological Area Update Study, November 2000.*

[18] *California Department of Conservation, Division of Mines and Geology/U.S. Geologic Survey, Minerals Yearbook: The Mineral Industry of California, 2001.*

constructed on previously graded land. As such, the chances of uncovering mineral resources during construction and grading would be minimal. Therefore, implementation of the Project would not result in a loss of any locally important mineral resources and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

XI. NOISE

a. Would the project result in the exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Potentially Significant Impact. The Project could result in an increase in noise levels associated with construction and operation of the Project. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

b. Would the project result in the exposure of people to or generation of excessive groundborne vibration or groundborne noise levels?

Potentially Significant Impact. Operation of the Project would not result in the generation of excessive groundborne vibration or noise. However, short-term groundborne noise and vibration could result from Project-related construction activities. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

Potentially Significant Impact. As noted above, the Project would involve the construction of several new buildings and the renovation of existing buildings. Proposed operations under the Project are consistent with the existing school uses on-site; however, given the proximity of the Project to single-family homes and the hillside nature of the Project site and its surrounding land uses, it is recommended that the potential for Project operations to result in a substantial, permanent increase in noise levels be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

Potentially Significant Impact. Construction of the Project could result in a temporary or periodic increase in ambient noise levels above those present without the Project. It is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The Project is not located within an airport land use plan or within two miles of a public airport or public use airport. The nearest airport to the Project is the Van Nuys Airport, located approximately 5 miles to the northwest of the Project site. Therefore, the Project would not expose people to excessive noise levels from airport operations and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The Project site is not located within the vicinity of a private airstrip. As discussed in Response XI.e. above, the nearest airport to the Project site is the Van Nuys Airport, located approximately 5 miles to the northwest of the Project site. Therefore, the Project would not expose people to excessive noise levels associated with the operation of a private airstrip and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

XII. POPULATION AND HOUSING

a. Would the project induce substantial population growth in an area either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

No Impact. The Project does not involve the construction of new residences. As such, implementation of the Project would not generate a direct increase in the permanent population

of the area or cumulatively exceed official regional or local population projections. Under the Project, permitted enrollment for the proposed facility would increase, over an approximate 7- to 10-year timeframe, from the existing 750 students to 830 students. New enrollment would begin in the 2006-2007 school year with an initial increase of 20 students, followed by a phased enrollment increase of 10 students per year for six years, until the maximum enrollment cap of 830 students is reached in the 2011-2012 school year, representing an increase of 80 students. With this modest enrollment increase of approximately 10.6 percent, the Project would not induce population growth either directly or indirectly in the area surrounding the School.

The Enhancement Plan also anticipates a total of approximately 95 full-time and 5 part-time faculty members in the future (i.e., an increase from the existing 91 faculty members). The administration/staff would increase from 62 to 67 or 68 employees.[19] This increase in employment would be well within the employment forecast set forth by SCAG. Furthermore, while not expected, any potential induced residential growth in the area resulting from the new employment opportunities on-site would not be substantial. In addition, no new roadways or other major infrastructure that would serve an area beyond the Project site would be constructed as part of the Project. Thus, no impacts associated with induced population growth would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

b. Would the project displace substantial numbers of existing housing necessitating the construction of replacement housing elsewhere?

No Impact. There are no existing residential units within the Project site. Therefore, implementation of the Project would not result in the displacement of any housing, including affordable housing, nor would it necessitate the construction of replacement housing. No impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

c. Displace substantial numbers of people necessitating the construction of replacement housing elsewhere?

No Impact. As stated in Response XII.b. above, there are no existing housing units within the Project site. Therefore, the Project would not result in the displacement of people, nor would it necessitate the construction of replacement housing elsewhere. No impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

[19] *These numbers include the facilities and maintenance staff, which totals 19 employees.*

XIII. PUBLIC SERVICES

a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

(1) Fire protection?

Less Than Significant Impact. Fire protection and emergency medical services are provided by the Los Angeles Fire Department (LAFD). Two LAFD fire stations would continue to provide fire protection to the school in an emergency situation. The Beverly Glen Station (No. 99) is located approximately 2.4 miles southeast of the site at 14145 Mulholland Drive. This fire station includes an assessment engine, a paramedic ambulance, a brush patrol unit, and an arson investigation unit.[20] The Studio City Station (No. 78), located approximately 1.68 miles northeast of the site at 4230 Coldwater Canyon Avenue, is a single engine company with a rescue unit. The Project site is located in the Very High Fire Hazard Severity Zone, as defined in the City of Los Angeles Municipal Code.[21] As such, the site is subject to more stringent fire prevention requirements than other areas outside of the district. Such requirements include the use of fire resistant plants and materials, the regular clearing of brush, and greenbelt standards. The Very High Fire Hazard Severity Zone contains a higher concentration of fire stations as compared to other areas.

LAFD evaluates the demand for fire prevention and protection services on a project-by-project basis to determine if additional equipment, personnel, or facilities are warranted.[22] The Project would not result in a substantial increase in faculty or students within the immediate Project area, therefore existing fire service levels in the area would not be significantly affected. The Project would result in a net increase of approximately 53,750 square feet of building area. All of the new buildings would include fire sprinklers, fire alarm devices, and all other approved fire safety technologies in compliance with local and State code requirements for "E" occupancies (including NFPA 101 – State Fire Code). As discussed above, the Project would involve the relocation of two existing fire hydrants and the introduction of four new hydrants on-site, subject to review and approval by LAFD. In addition, the proposed pedestrian walkway

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[20] *Los Angeles City Fire Department, Fire Station & Equipment Directory, http://members.aol.com/lafdweb/, accessed October 7, 2004.*

[21] *Los Angeles Municipal Code, Chapter 5, Article 7, Section 57.25.*

[22] *City of Los Angeles, Citywide General Plan Framework, December 1996.*

traversing the interior of the campus would provide emergency access through the site, allowing LAFD to adequately respond to potential on-site emergencies throughout the site.

Based on the above, the Project would not necessitate the addition of a new fire station or an alteration in equipment or personnel. Thus, impacts on fire protection services would be less than significant. Further analysis of this issue is not recommended and no mitigation measures would be required.

(2) Police protection?

No Impact. The Project site is served by the Los Angeles Police Department (LAPD), Valley Bureau, Van Nuys Community Police Station, located at 6240 Sylmar Avenue. The campus includes a guard house at the Stansbury Avenue entrance where campus security monitors the ingress and egress of vehicles into the campus, providing for controlled access. The campus is currently monitored by seven security personnel, and it is anticipated that one additional employee would be added as a result of the Project. Although the Enhancement Plan proposes an increase of 80 students, 9 faculty, and 5 to 6 staff over a 7- to 10-year timeframe, given the continued security provisions on-site, such increases would not have a substantial impact on police protection services, including the need for additional or altered LAPD facilities, equipment, or officers. Therefore, impacts to police protection services would be less than significant. Further analysis of this issue is not recommended and no mitigation measures would be required.

(3) Schools?

Less Than Significant Impact. Los Angeles Unified School District (LAUSD) provides public school services in the Project area. The Project does not involve the construction of new dwelling units. Therefore, a direct impact on the demand for additional classroom space within LAUSD or any other school district would not occur. Any potential indirect impact on public school facilities resulting from the potential for nine new faculty and five to six new staff to relocate to the area and generate a need for additional public school facilities would be inconsequential. Specifically, based on the student generation rates for new non-residential development set forth in the School Fee Justification Studies prepared in 2002 for LAUSD, the Project would generate less than one student within LAUSD boundaries. Furthermore, the Project would provide permanent, upgraded, and expanded school facilities, which would allow the School to continue and enhance its educational programs, resulting in a beneficial impact associated with school facilities. As such, the Project would not result in a need for new or altered public school facilities and no significant impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

(4) Parks?

No Impact. Implementation of the Project would not physically impact parks or recreational facilities in the Project vicinity, except to the extent the contemplated easements between the School and SMMC and related zone and plan designation changes would enhance and expand recreational opportunities associated with Fossil Ridge Park. The School currently provides its students with recreational/athletic facilities on campus and would continue to do so subsequent to implementation of the Project. For athletic events that the school cannot accommodate, the School currently uses off-site parks for athletic matches and team practices (e.g., tennis and cross-country teams). Use of off-site parks by the cross-country team would continue after implementation of the Project; however, the introduction of four tennis courts on-site as part of the Project would reduce the need for students to use off-site facilities, resulting in a beneficial impact. Additionally, implementation of the Enhancement Plan would enhance the existing recreational/athletic facilities on-site. Furthermore, the Project does not include the construction of new residences, which typically generate a direct demand for parks. Since implementation of the Enhancement Plan would not generate a demand for existing parks or require the development of new parks in the adjacent vicinity, no impact on parks within the Project vicinity would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

(5) Other governmental services (including roads)?

No Impact. The Project would result in the continued need for other governmental services, including roads. As discussed in Section XV, Transportation/Circulation, implementation of the Project would result in additional vehicle trips associated with construction and operation. However, the additional use of roadways would not be excessive and would not necessitate the upkeep of such facilities beyond normal requirements. Therefore, the Project would not have an effect upon or result in a need for new or altered government services and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

XIV. RECREATION

a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

No Impact. Implementation of the Project would not introduce any residential uses that would increase the demand for neighborhood or regional parks or other recreational facilities. As stated above in Response XIII.a.4., the School currently provides students with

recreational/athletic facilities on campus, with limited use of public parks or other private recreational facilities by the tennis and cross-country teams. Use of off-site facilities by the cross-country team would continue after implementation of the Project; however, the introduction of four tennis courts on-site as part of the Project would reduce the need for students to use off-site facilities, resulting in a beneficial impact. Additionally, implementation of the Project would enhance existing recreational/athletic facilities on-site. Therefore, no impacts associated with new demand for recreational facilities would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

Potentially Significant Impact. The School has an existing athletic field, an indoor competition pool, weight room, several outdoor basketball courts and several play areas. The Enhancement Plan would maintain these uses, with some relocation of the facilities. Specifically, a new Outdoor Competition Pool and a replacement Athletic Field House with a weight room would be built, as well as four new tennis courts. The existing indoor swimming pool (located in the Disney Pavilion) would be removed/filled to provide for an indoor court space once the new pool is completed, and the existing grandstand, outside multi-purpose court, and accessory structures would be eliminated in connection with the Project. Construction of the new facilities could have a physical effect on the environment related to aesthetics, air quality, biological resources, land use, paleontology, geology and soils, hydrology, noise, and traffic. It is recommended that these facilities be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

XV. TRANSPORTATION AND CIRCULATION

a. Would the project cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?

AND

b. Would the project exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?

(a-b) Potentially Significant Impact. Construction of the Project would result in a temporary increase in traffic associated with construction-related vehicles. Additionally, the increase of approximately 80 students, 9 faculty, and 5 to 6 staff could potentially generate an increase in vehicle trips on roadways within the Project vicinity. Therefore, it is recommended that traffic-related issues, including the potential for the Project to cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system, or to exceed, either individually or cumulatively, a level of service standard established by MTA's Congestion Management Plan, be further analyzed and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

No Impact. The Project is not located within the vicinity of an existing or proposed public or private airstrip. Furthermore, the Project would not result in an increase in air traffic levels. As such, the Project would not result in a change in air traffic patterns that would result in substantial safety risks and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

d. Would the project substantially increase hazards to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No Impact. The Enhancement Plan proposes improvements within the existing campus, including the provision of additional parking and a more efficient access system. Any potential off-site traffic improvements required as mitigation measures would be completed in accordance with City requirements, which would ensure that such improvements would be designed to avoid hazards. Therefore, the Enhancement Plan would not result in any hazardous design features or create any incompatible uses. Further analysis of this issue is not recommended and no mitigation measures would be necessary.

e. Would the project result in inadequate emergency access?

Less Than Significant Impact. Emergency access to the site would continue to be provided from Stansbury Avenue and Camino de la Cumbre. As discussed above, the entire Project would be developed in accordance with applicable fire safety standards included in the Los Angeles City Fire Code, as well as requirements specific to development within the Very High Fire Hazard Severity Zone, as outlined in the Los Angeles Municipal Code. Included in the fire improvements proposed as part of the Project are several fire access roads of appropriate width, including an internal pedestrian walkway that would also provide emergency access. These and other improvements required by LAFD would provide adequate emergency access

throughout the site. Therefore, impacts associated with emergency access would be less than significant and no mitigation measures would be required.

f. Would the project result in inadequate parking capacity?

Potentially Significant Impact. The Project would include parking improvements that would provide adequate parking for projected faculty, staff, students, and visitors. Given the interest of surrounding land uses in such enhancements, it is recommended that parking be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

g. Would the project conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?

Potentially Significant Impact. The Enhancement Plan would be constructed and operated in compliance with adopted policies, plans, and programs supporting alternative transportation that apply to the Project site. This includes compliance with the City of Los Angeles Transportation Demand and Trip Reduction Measures.[23] However, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

XVI. UTILITIES

a. Would the project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

Less Than Significant Impact. Wastewater treatment services to the Project site are provided by the City of Los Angeles Bureau of Sanitation via the Hyperion Treatment Plant. The Hyperion Treatment Plant is designed to treat 450 million gallons per day (mgd), with annual increases in wastewater flows limited to 5 mgd by City Ordinance No. 166,060. Based on a generation factor of 12 gallons per day (gpd) per student, the existing student body of 750 generates approximately 9,000 gpd of wastewater.[24] The Enhancement Plan proposes an increase of 80 students by 2013 resulting in a student population of 830, which would generate

[23] *City of Los Angeles Municipal Code, Section 12.26.*

[24] *Wastewater generation rate per the City of Los Angeles CEQA Threshold Guide, Los Angeles Department of Public Works. The high school generation rate of 12 gpd per student was used as opposed to the middle school rate of 8 gpd per student in order to present a conservative analysis. This rate takes into account a wide variety of school-related land uses (classrooms, gymnasium, etc.) as well as associated faculty and staff.*

approximately 9,960 gpd of wastewater. The existing sewer lines that serve this site are adequate to accommodate the increase.[25] Furthermore, implementation of water conservation measures, such as those required by Titles 20 and 24 of the California Administrative Code, would ultimately reduce wastewater flows. Further analysis of this issue is not recommended and no mitigation measures would be required.

b. 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 could cause significant environmental effects?

Less Than Significant Impact. Water consumption is often calculated for each land use utilizing the wastewater generation factors, multiplied by 125 percent to assume a worst-case scenario for water demand. Using this approach, the 830-student enrollment proposed by the Project for 2012 would generate a water demand of approximately 12,450 gpd. Compliance with water conservation measures such as those required by Titles 20 and 24 of the California Administrative Code would help to reduce this projected water demand. The estimated demand for water that would be generated by the Project would be accommodated by the existing water infrastructure. However, due to construction efforts, specifically those related to the semi-subterranean parking facility, relocation of water and wastewater utility lines would be necessary. The existing lines would be abandoned and relocated/re-routed under the direction of the City of Los Angeles Public Works, and the new/relocated lines would likewise be adequate to accommodate the demands of the Project. Further analysis of this issue is not recommended and no mitigation measures would be required.

c. Would the project require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Potentially Significant Impact. Storm water runoff from the campus drains to facilities owned by both the City of Los Angeles and the Los Angeles County Flood Control District and managed by the Los Angeles Department of Public Works. As stated in Response VIII.c., above, the amount of runoff originating from the campus after completion of the Enhancement Plan would increase as a result of the Project. However, the introduction of several new structures may necessitate the construction of new storm drains (or other treatment measures) on the Project site. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

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[25] *Phone conversation with Susan Rocha, City of Los Angeles Bureau of Engineering, Valley District Office, September 10, 2003.*

d. Would the project have sufficient water supplies available to serve the project from existing entitlements and resource, or are new or expanded entitlements needed?

Less Than Significant Impact. Water is provided to the Project site by the Los Angeles Department of Water and Power (DWP). Water supplies are obtained from the Los Angeles Aqueduct, local groundwater, and through purchase from the Southern California Metropolitan Water District (MWD). The Project would result in a need for additional water to accommodate the increase in student and faculty. Compliance with water conservation measures such as those required by Titles 20 and 24 of the California Administrative Code would help to reduce this projected water demand. In addition, since the population of the Project falls within the population projections for the Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass Community Plan area, Project-related water consumption would not adversely affect regional water supplies, which are considered by the City of Los Angeles to be adequate through the year 2010.[26] Furthermore, since the Project falls below any of the thresholds contained in recently enacted water supply legislation (specifically SB610 and SB221), those requirements relating to water supply and water planning would not be triggered. DWP's most recent Urban Water Management Plan indicates that a sufficient water supply is expected to be available to serve projects such as that proposed. Therefore, sufficient water supplies would be available to serve the Project from existing entitlements and resources, and new or expanded entitlements would not be necessary. Further analysis of this issue is not recommended and no mitigation measures would be necessary.

e. Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less Than Significant Impact. As discussed in Response XVI.a. above, wastewater from the Project site is treated at the Hyperion Treatment Plant (HTP) located in Playa Del Rey. A major expansion and upgrade of the HTP was completed in 1998, which increased the capacity of the plant to 450 mgd. The expanded capacities of the HTP and other treatment plants serving the Los Angeles area are expected to be sufficient to sustain wastewater treatment needs through the year 2010, with annual increases in wastewater flows limited to 5 mgd by City Ordinance No. 166,060. Further analysis of this issue is not recommended and no mitigation measures would be required.

[26] *Los Angeles Citywide General Plan Framework Draft EIR, January 1995.*

f. Would the project be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

Less Than Significant Impact. Solid waste from the Project site would continue to be disposed of at one of several landfills in Los Angeles County. A conservative projection can be calculated using the number of employees and a standard waste disposal generation rate.[27] Based on a solid waste generation factor for educational facilities of 0.8 tons per employee per year, the additional employees on-site (i.e., 9 faculty and 5 to 6 staff/administrative employees) subsequent to implementation of the Enhancement Plan would generate approximately 132 tons of solid waste per year, which is an extremely small fraction of the regional solid waste generated.[28] In addition, compliance with the Recycling Space Allocation Ordinance would further assist in reducing the amount of solid waste on-site that would decrease landfill capacity. The School is currently under contract with Crown Disposal for solid waste services. Service of the three, one-ton receptacles is provided three times a week, according to the School's facilities department. According to the School, the increase in student and faculty numbers anticipated by the 2011-2012 school year may require one additional day of solid waste service to the site in addition to the current three days of service, but would not require any substantial changes to the existing waste disposal system within the campus.[29] Based on the above, impacts on the overall capacity of existing regional solid waste landfills would be less than significant. Further analysis of this issue is not recommended and no mitigation measures would be required.

g. Would the project comply with federal, state, and local statutes and regulations related to solid waste?

No Impact. The Project would comply with applicable regulations related to solid waste, including those pertaining to waste reduction and recycling. The Project would comply with the City of Los Angeles Space Allocation Ordinance (Ordinance No. 171,687), which requires that developments include a recycling area or room of specified size on the Project site. The Project would promote compliance with the California Integrated Waste Management Act (AB 939), which mandates that 50 percent of the solid waste in the state be diverted from landfills (effective in year 2000). Therefore, no impacts associated with solid waste statutes and regulation would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

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[27] *The accepted waste disposal rate for services and educational facilities is based on employment levels; however, the rate takes total population (i.e., students) into account.*

[28] *This waste disposal rate is based on the California Integrated Waste Management Board's Solid Waste Characterization Database, May 2000.*

[29] *Personal telephone conversation with Curtis Covington, Plant Facilities Supervisor for The Buckley School, on September 17, 2003.*

XVII. MANDATORY FINDINGS OF SIGNIFICANCE

a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Potentially Significant Impact. As discussed in more detail in Section IV. above, a biological survey will be conducted to determine if there are any candidate, sensitive, or special status species present within the Project site. In addition, this survey will identify any wildlife habitat as well as any plant or animal communities that may exist on the site. Thus, it is recommended that implementation of the Project be assessed for the following biological impacts: (1) reduction in habitat of wildlife species that may cause such a species to drop below self-sustaining levels, (2) threats that may eliminate a plant or animal community, or (3) a reduction in the number or restriction of the range of a rare or endangered plant or animal. As discussed in Response V.a., the Project would not result in the removal of important examples of the major periods of California history or prehistory and no associated impacts would occur.

b. Does the project have impacts which are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects).

Potentially Significant Impact. Fifteen related projects have been identified in the Project area and include improvements to the Sherman Oaks Galleria, new residential development, a fast food restaurant, two gas stations, other auto-related uses, various commercial uses, an office building, and a self-storage unit. Based on the relatively small scale of these projects and the distance of most of these projects from the proposed Project site, the potential for cumulatively considerable impacts is low; however, there is a possibility that implementation of the Project could result in potentially significant environmental effects related to some of the issues discussed above, either directly or indirectly. The Project's contribution to cumulative impacts associated with each of the topical issues discussed above was considered, and it was determined that the Project would not contribute to cumulative impacts associated with agricultural resources or mineral resources, as there are no such resources in the immediate Project area. In addition, due to the developed nature of the Project area and the area in the vicinity of the proposed related projects, the Project would not contribute to significant cumulative impacts associated with population and housing, public services, utilities or

recreation. With regard to surface water quality, implementation of regulatory requirements including implementation of BMPs and erosion control measures would ensure that the Project and related projects would not result in significant impacts on water quality. Based on the above checklist responses, it is recommended that the Project's contribution to cumulative impacts associated with aesthetics, air quality, biological resources, paleontology, geology and soils, hydrology, hazards land use, noise, transportation, and utilities be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Does the project have environmental effects which cause substantial adverse effects on human beings, either directly or indirectly?

Potentially Significant Impact. Construction and operation of the Project could result in environmental effects that could have substantial adverse effects on human beings, either directly or indirectly. As discussed in the responses above, these potential effects could be associated with aesthetics, air quality, biological resources, paleontology, geology and soils, hydrology, land use, noise, transportation, and utilities. It is recommended that an analysis of these potential impacts be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

Notice of Preparation (NOP)

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CITY PLANNING
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January 12, 2005

NOTICE OF PREPARATION AND NOTICE OF PUBLIC SCOPING MEETING

EAF NO.: ENV-2004-7171 EIR
PROJECT NAME: The Buckley School Campus Enhancement Plan
PROJECT ADDRESS: 3900 Stansbury Avenue
COMMUNITY PLAN AREA: Sherman Oaks–Toluca Lake–Studio City–Cahuenga Pass
COUNCIL DISTRICT: 5
COMMENTS DUE DATE: **February 11, 2005**

PROJECT DESCRIPTION: The Buckley School proposes to enhance its existing campus facilities to address the needs of existing and future school programs. The Campus Enhancement Plan includes vehicular circulation and queuing improvements, increased parking within a new semi-subterranean parking facility, the demolition of eleven buildings, construction of seven new/replacement buildings, additions to and renovation of two existing buildings, and the renovation of four other buildings. When accounting for 35,550 square feet of building area to be removed, development of these project components would add approximately 53,750 square feet of net new building area to the existing 99,150 square feet of building area currently on-site, resulting in a total building area of approximately 152,900 square feet upon completion of the project's three phases. The project would provide a total of 306 on-site parking spaces, which include approximately 287 parking spaces provided in the new semi-subterranean parking facility and 28 surface parking spaces throughout the campus. The project is estimated to be built during a seven to ten year period.

Project implementation would require a new Conditional Use Permit, which would allow for a phased increase in student enrollment from 750 to 830 and would also modify various operating conditions. The project would also require various other approvals, potentially including, but not limited to, a Specific Plan Exception, a Community Plan (General Plan) Amendment, a Zone Change, and a Preliminary Parcel Map including Oak Tree removal and Haul Route approval.

As part of the Campus Enhancement Plan, it is proposed that an easement for approximately 4.85 acres of Santa Monica Mountains Conservancy (SMMC) land be granted to the Buckley School, in part, to accommodate a proposed outdoor swimming pool. In turn, an easement over 12.6 acres of undeveloped, non-adjacent land owned by the School would be granted to the SMMC for open space for recreational and habitat restoration purposes.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED: Aesthetics, Air Quality, Biological Resources, Cultural Resources (Paleontological Resources), Geology and Soils, Hazards & Hazardous Materials, Hydrology/Water Quality, Land Use and Planning, Noise, and Transportation/Traffic.

PUBLIC SCOPING MEETING DATE AND LOCATION: The public scoping meeting will be held on Tuesday, January 25, 2005, from 6:00 p.m. to 8:00 p.m. at the Sherman Oaks Public Library. (Prior to the scoping meeting, the applicant will hold a community open house for the project, at the same location from 4 pm to 6 pm. Separate notice will be sent by the applicant with details regarding the open house) The scoping meeting will provide information regarding the proposed project's environmental implications and the scope of analysis to be contained in the EIR. Public comments will be accepted at the scoping meeting. The Department of City Planning encourages all interested individuals and organizations to attend this meeting.

Date:	**Tuesday, January 25, 2005**
Time:	**6:00 p.m. to 8:00 p.m.**
Locations:	**Sherman Oaks Public Library** **14245 Moorpark Avenue** **Sherman Oaks, CA 91423**

The enclosed materials reflect the scope of the proposed project, which is located in an area of interest to you and/or the organization you represent. An Environmental Impact Report (EIR) will be prepared and the Environmental Review Section welcomes all comments regarding potential environmental impacts of the proposed Project. All comments will be considered in the preparation of the EIR. **Written comments** must be submitted to this office by **February 11, 2005**.

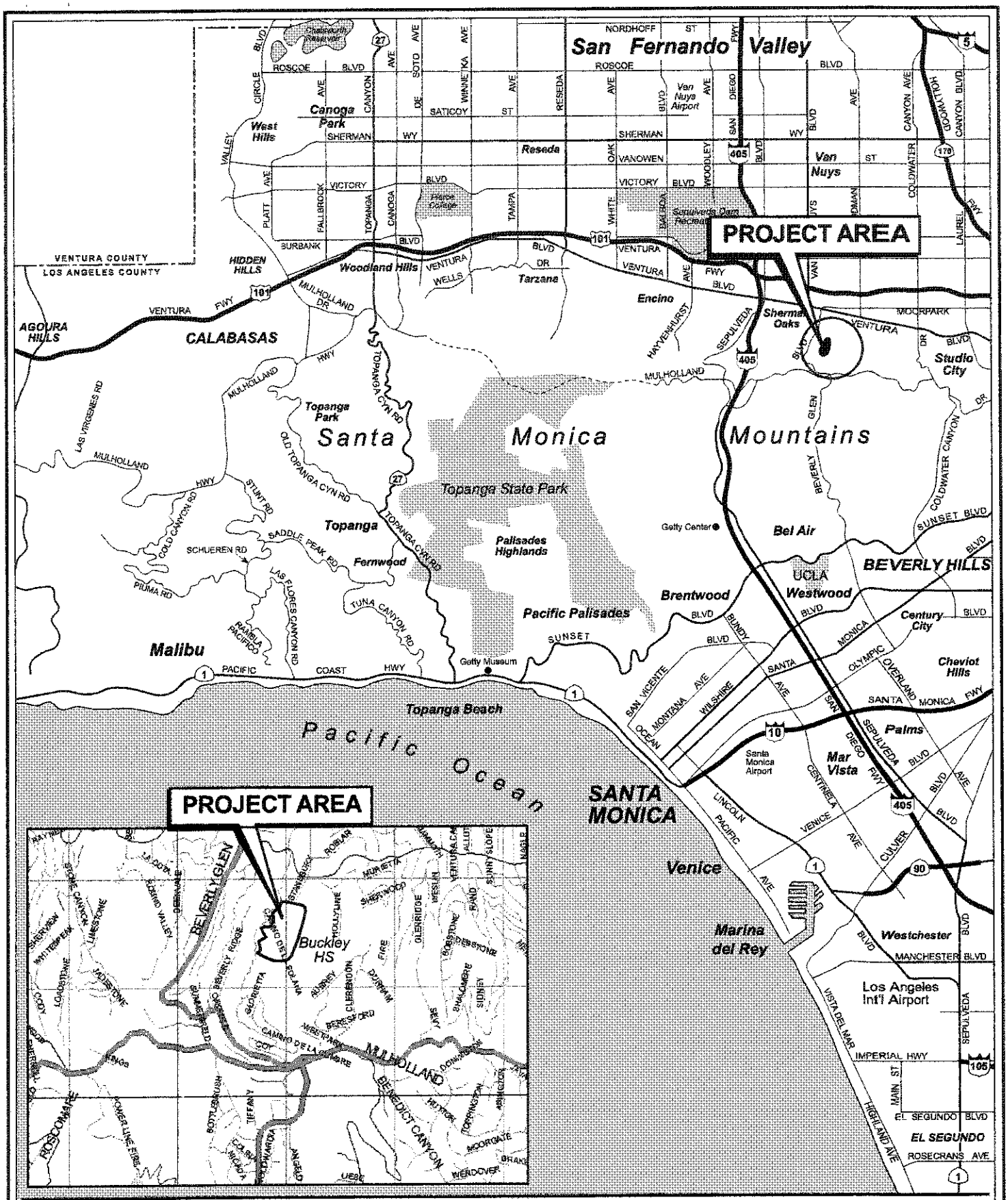
Please direct your responses to:

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jliao@planning.lacity.org (e-mail)

Con Howe
Director of Planning

Emily Gabel-Luddy
Associate Zoning Administrator
Division of Land/Environmental Review

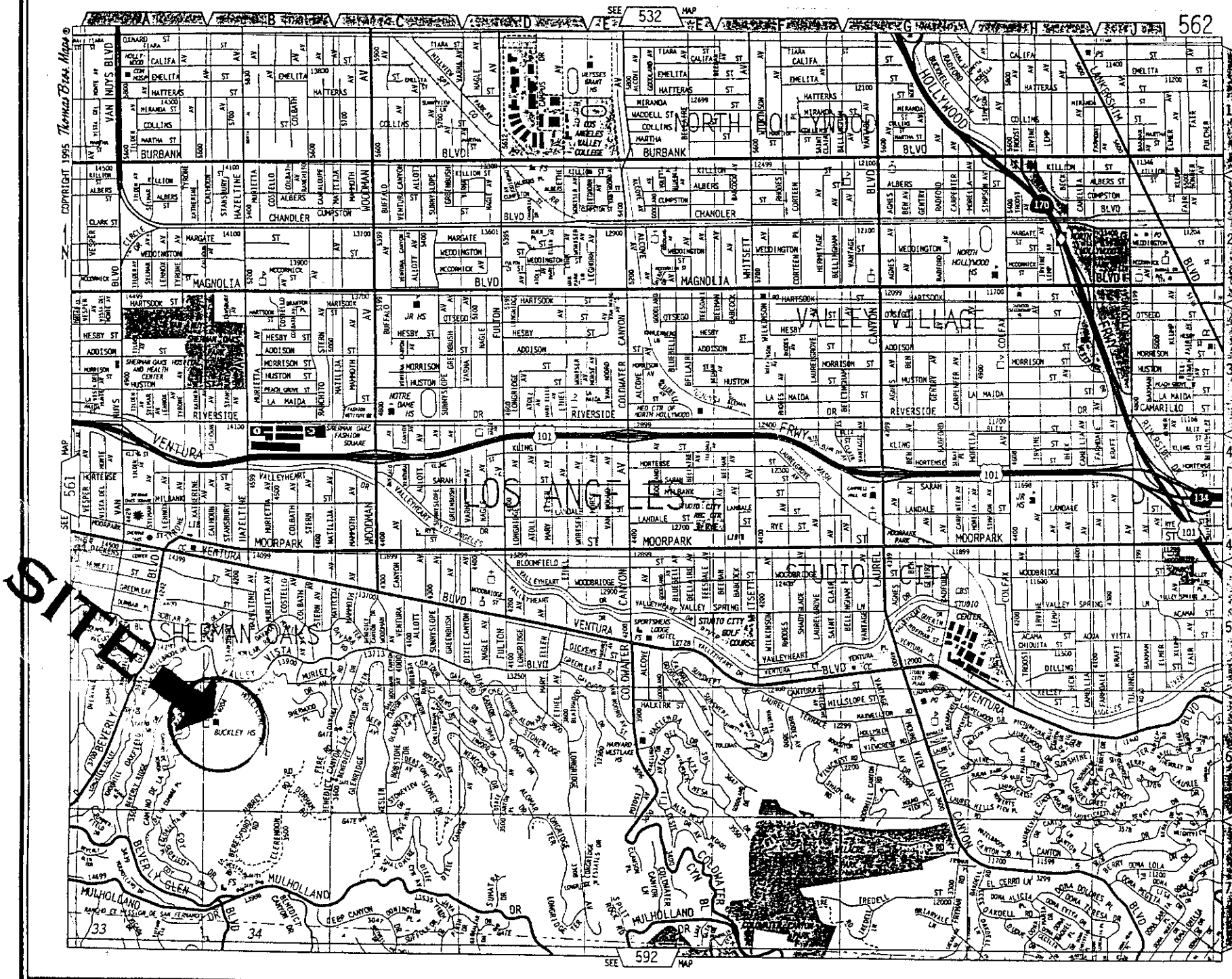
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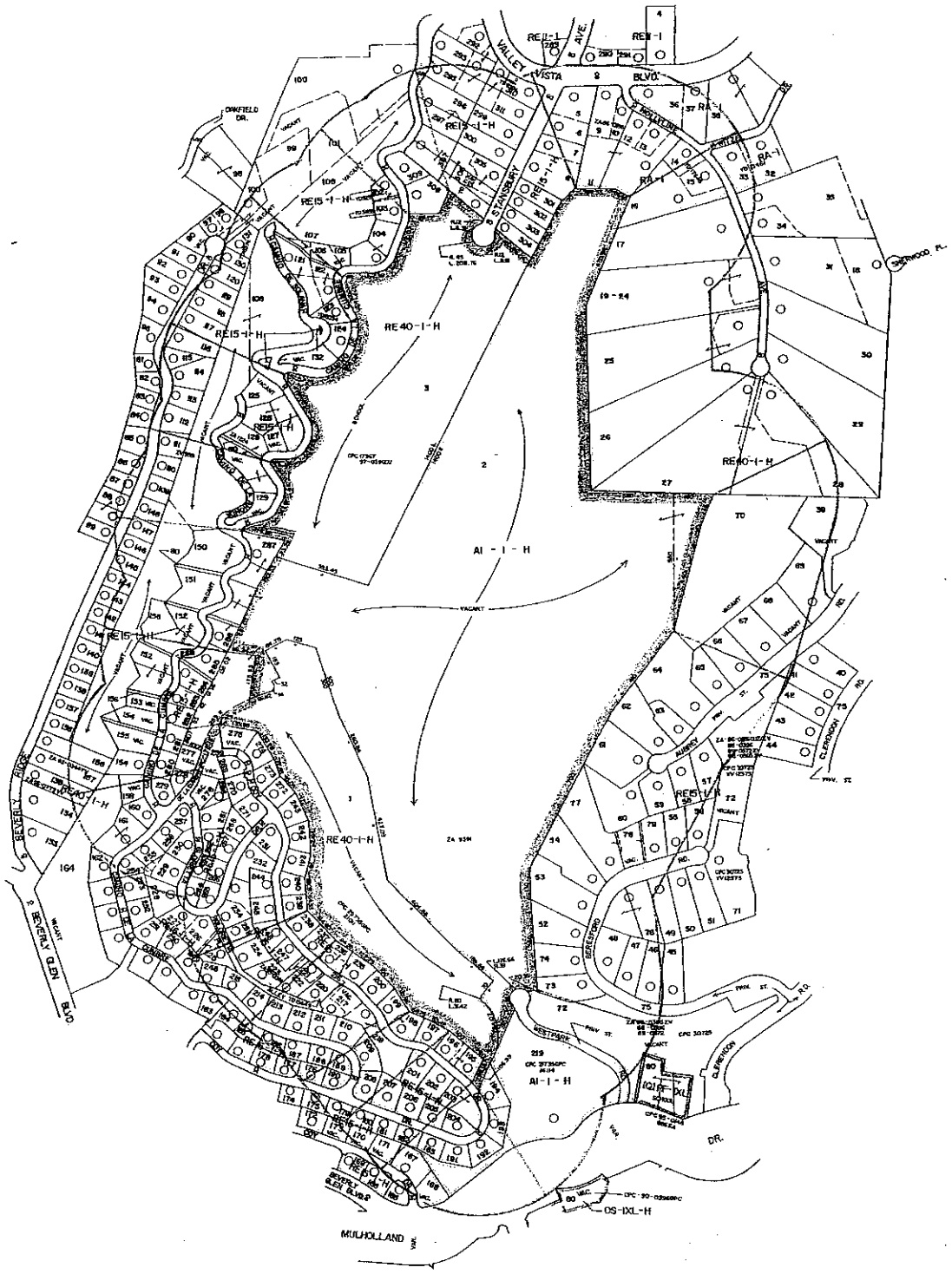


PCR

Project Location Map

VICINITY MAP





E. A. F. MAP

QMS Quality Mapping Service
Zoning Consultants

14549 Archwood St., Suite 301
Van Nuys, California 91405
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DRAWN BY : V. VASQUEZ

THOMAS BROTHERS
Page : 562 Grid : A6, A7, B7

C.D. : 5

CASE NO. :

LEGAL

C.T. : 1417.00

LOT : 1108

P.A. : 22(SHERMAN OAKS - TOLUCA LAKE - STUDIO CITY)

SCALE : 1" = 100'

TRACT : 1000

USES : FIELD

D.M. : 562B49, 562B53, 562B45, 562B53

M.B. 19-1-34
LOT : 1
TRACT: 23823 M.B. 770-93-96 (SEE APPS)
CONTACT : LATHEM WATKINS

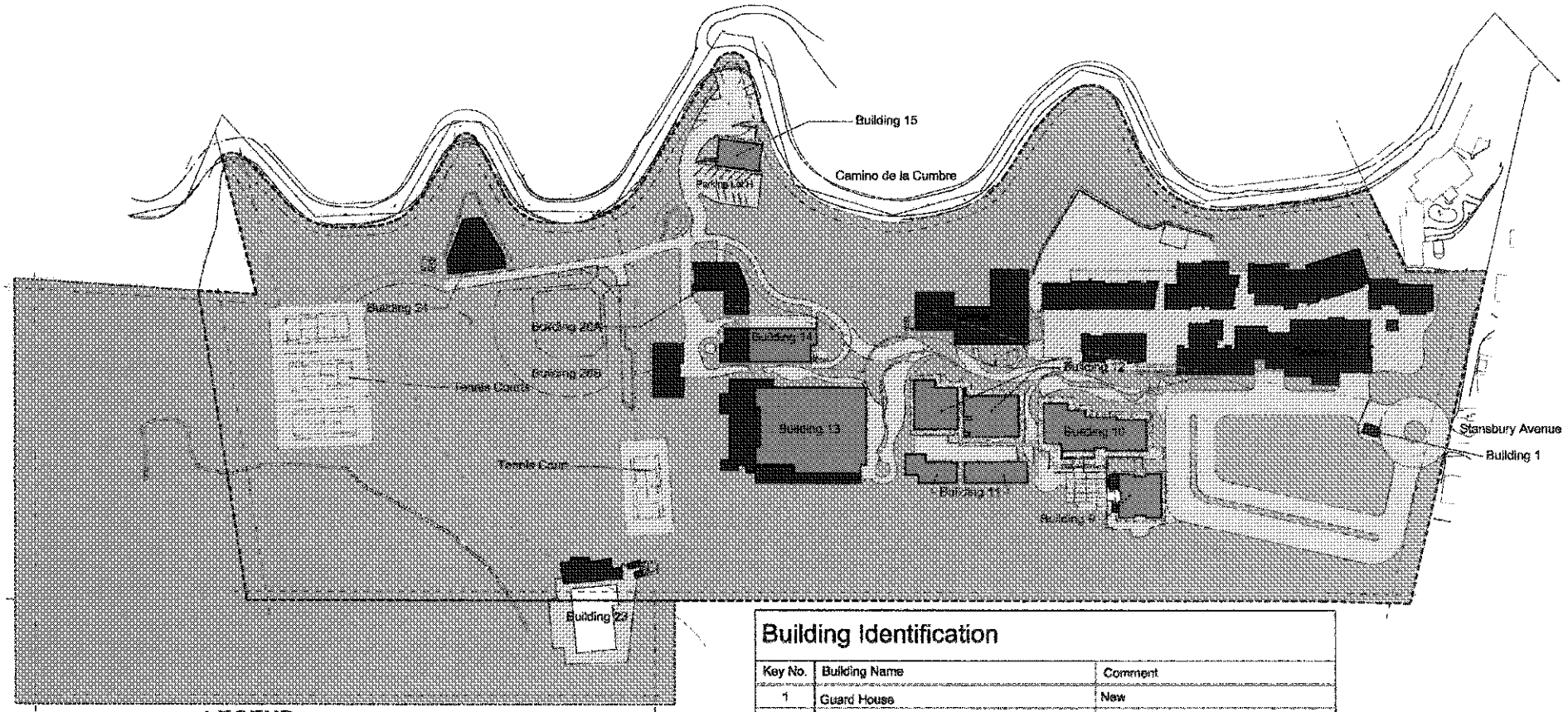
PHONE : 213-891-7940

DATE : 11-05-04
Updated :

NET. AC. : 77.03 ±

NORTH

04-363
Q.M.S.



LEGEND

	Property Line
	Line of Setback
	Existing Building
	Proposed Building
	Overhang / Covered Walk
	Hardscape

Building Identification

Key No.	Building Name	Comment
1	Guard House	New
9	Robert Young Library	Existing to Remain + Addition
10	Administration Building	Existing to Remain
11	Middle School Humanities Building	Existing to Remain
12	Upper School Humanities Building	Existing to Remain
13	Disney Pavilion (Main & 1 Accessory Building)	Existing to Remain + Addition
14	Science and Arts Classroom Building	Existing to Remain
15	Transportation Building	Existing to Remain
20	Science Classroom Building A	New
	Science Classroom Building B	New
21	Garage/ Elementary/ Middle School Building	New
22	Multipurpose/ Dining Hall Building	New
23	Competition Pool	New
24	Field Athletics Building	New

PGR

Conceptual Site Plan

Source: Pica & Sullivan Architects, LTD., 2004

NOP Comment Letters

January 11, 2004

RECEIVED
CITY OF LOS ANGELES
JAN 21 2005
ENVIRONMENTAL
UNIT

Hearing Coordinator
Department of City Planning
Room 601 City Hall
200 N. Spring St.
LA, CA 90012

Re: Buckley 'Enhancement' (Expansion) Program

Hello:

I am writing to ask you not to allow Buckley to proceed with their Campus Enhancement Program, which involves expanding student body, re-zoning land use designations, and rebuilding/expanding most buildings on campus, for the following reasons:

- SAFETY. Any expansion would seriously exacerbate existing safety problems. Buckley only has two entrances and they have no way of creating a fire/earthquake evacuation procedure. One of the roads is 18 feet wide and includes a hairpin turn. Their plan calls for excavation to create a subterranean parking structure, yet underground streams exist, and could put neighboring homes at risk. A number of incidences of student smoking and loitering in this high fire neighborhood have been reported.

- NOISE AND TRAFFIC POLLUTION. Demolishing buildings and moving large amounts of dirt will negatively impact the neighborhood and wildlife. The project will take 8-10 years to complete, and it is unreasonable to ask a neighborhood to bear these problems for such an extended length of time.

- INACCURATE/FALSE COMMUNICATION Buckley recently mailed out a slick brochure describing their plan, and we find it to contain false statements and inaccuracies. They claim that they came to this plan with 'significant input from the neighbors', which is false—our input was not considered. They want variances to build higher than is regulated. They want to allow expansion of existing school use in the outer corridor of the Mulholland Scenic Parkway, yet they claim to leave surrounding natural areas undisturbed. They claim to have 'scaled back it's initial plans to modernize the campus', yet they have substantially increased their plans since our previous meetings.

Buckley is located in a unique, ecologically sensitive area at the end of a cul de sac. This neighborhood simply cannot absorb any more traffic, noise, or multi-story buildings. We recommend that Buckley create a new plan involving a split campus. Thank you.

Kathi Flood

Kathi Flood
3968 Camino de la Cumbre
Sherman Oaks, CA 91423
kathi@kathiflood.com
818/986-6073

STATE OF CALIFORNIA

Governor's Office of Planning and Research

State Clearinghouse and Planning Unit

Arnold Schwarzenegger
Governor

Jan Boel
Acting Director

Notice of Preparation

January 13, 2005

RECEIVED
CITY OF LOS ANGELES
JAN 21 2005
ENVIRONMENTAL
UNIT

To: Reviewing Agencies

Re: Buckley School Campus Enhancement Plan; ENV-2004-7171 EIR
SCH# 2005011055

Attached for your review and comment is the Notice of Preparation (NOP) for the Buckley School Campus Enhancement Plan; ENV-2004-7171 EIR draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Jimmy Liao
Los Angeles City Planning Department
200 No. Spring Street, Room 750
Los Angeles, CA 90012

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan
Associate Planner, State Clearinghouse

Attachments
cc: Lead Agency

Document Details Report
State Clearinghouse Data Base

SCH# 2005011055
Project Title Buckley School Campus Enhancement Plan; ENV-2004-7171 EIR
Lead Agency Los Angeles City Planning Department

Type NOP Notice of Preparation

Description The Buckley School proposes to enhance its existing campus facilities to address the needs of existing and future school programs. The Campus Enhancement Plan includes vehicular circulation and queuing improvements, increased parking within a new semi-subterranean parking facility, the demolition of eleven buildings, construction of seven new/ replacement buildings, additions to and renovation of two existing buildings, and the renovation of four other buildings. When accounting for 35,550 square feet of building area to be removed, development of these project components would add approximately 53,750 square feet of net new building area to the existing 99,510 square feet of building area currently on-site, resulting in a total building area of approximately 152,900 square feet upon completion of the project's three phases. The project would provide a total of 306 on-site parking spaces, which include approximately 287 parking spaces provided in the new semi-subterranean parking facility and 28 surface parking spaces throughout the campus.

Lead Agency Contact

Name Jimmy Liao
Agency Los Angeles City Planning Department
Phone (213) 978-1331 **Fax**
email
Address 200 No. Spring Street, Room 750
City Los Angeles **State** CA **Zip** 90012

Project Location

County Los Angeles
City
Region
Cross Streets Ventura Boulevard, Beverly Glen Boulevard
Parcel No.
Township **Range** **Section** **Base**

Proximity to:

Highways 101
Airports
Railways
Waterways
Schools
Land Use Educational Facility / RE-40-1-H / Minimum Density Residential and Very Low Density Residential

Project Issues Aesthetic/Visual; Archaeologic-Historic; Air Quality; Drainage/Absorption; Geologic/Seismic; Noise; Soil Erosion/Compaction/Grading; Toxic/Hazardous; Traffic/Circulation; Water Quality; Landuse; Cumulative Effects

Reviewing Agencies Resources Agency; Department of Toxic Substances Control; Department of Parks and Recreation; Department of Water Resources; Native American Heritage Commission; Department of Fish and Game, Region 5; Caltrans, District 7; California Highway Patrol; Regional Water Quality Control Board, Region 4

Date Received 01/13/2005 **Start of Review** 01/13/2005 **End of Review** 02/11/2005

Note: Blanks in data fields result from insufficient information provided by lead agency.

NOP Distribution List

County: Los Angeles

SCH# 2005011008

Resources Agency

- [■] **Resources Agency**
  Nadell Gayou
- [ ] **Dept. of Boating & Waterways**
  David Johnson
- [ ] **California Coastal Commission**
  Elizabeth A. Fuchs
- [ ] **Colorado River Board**
  Gerald R. Zimmerman
- [ ] **Dept. of Conservation**
  Roseanne Taylor
- [ ] **California Energy Commission**
  Environmental Office
- [ ] **Dept. of Forestry & Fire Protection**
  Allen Robertson
- [ ] **Office of Historic Preservation**
  Wayne Donaldson
- [■] **Dept of Parks & Recreation**
  B. Noah Tilghman
  Environmental Stewardship Section
- [ ] **Reclamation Board**
  DeeDee Jones
- [ ] **Santa Monica Mountains Conservancy**
  Paul Edelman
- [ ] **S.F. Bay Conservation & Dev't. Comm.**
  Steve McAdam
- [■] **Dept. of Water Resources**
  Resources Agency
  Nadell Gayou

Fish and Game

- [ ] **Depart. of Fish & Game**
  Scott Flint
  Environmental Services Division
- [ ] **Fish & Game Region 1**
  Donald Koch
- [ ] **Fish & Game Region 2**
  Banky Curtis
- [ ] **Fish & Game Region 3**
  Robert Floerke
- [ ] **Fish & Game Region 4**
  William Laudermilk
- [▨] **Fish & Game Region 5**
  Don Chadwick
  Habitat Conservation Program
- [ ] **Fish & Game Region 6**
  Gabrina Gatchel
  Habitat Conservation Program
- [ ] **Fish & Game Region 6 I/M**
  Tammy Allen
  Inyo/Mono, Habitat Conservation Program
- [ ] **Dept. of Fish & Game M**
  George Isaac
  Marine Region

Other Departments

- [ ] **Food & Agriculture**
  Steve Shaffer
  Dept. of Food and Agriculture
- [ ] **Depart. of General Services**
  Public School Construction
- [ ] **Dept. of General Services**
  Robert Sleppy
  Environmental Services Section
- [ ] **Dept. of Health Services**
  Veronica Rameriz
  Dept. of Health/Drinking Water

Independent Commissions,Boards

- [ ] **Coachella Valley Mountains Conservancy**
- [ ] **Delta Protection Commission**
  Debby Eddy
- [ ] **Office of Emergency Services**
  Dennis Castrillo
- [ ] **Governor's Office of Planning & Research**
  State Clearinghouse
- [■] **Native American Heritage Comm.**
  Debbie Treadway
- [ ] **Public Utilities Commission**
  Ken Lewis
- [ ] **San Gabriel & Lower LA Rivers**
- [ ] **San Joaquin River Conservancy**
- [ ] **State Lands Commission**
  Jean Sarino
- [ ] **Tahoe Regional Planning Agency (TRPA)**
  Cherry Jacques

Business, Trans & Housing

- [ ] **Caltrans - Division of Aeronautics**
  Sandy Hesnard
- [ ] **Caltrans - Planning**
  Terri Pencovic
- [■] **California Highway Patrol**
  John Olejnik
  Office of Special Projects
- [ ] **Housing & Community Development**
  Lisa Nichols
  Housing Policy Division

Dept. of Transportation

- [ ] **Caltrans, District 1**
  Mike Eagan
- [ ] **Caltrans, District 2**
  Don Anderson
- [ ] **Caltrans, District 3**
  Jeff Pulverman
- [ ] **Caltrans, District 4**
  Tim Sable
- [ ] **Caltrans, District 5**
  David Murray
- [ ] **Caltrans, District 6**
  Marc Birnbaum
- [▨] **Caltrans, District 7**
  Cheryl J. Powell
- [ ] **Caltrans, District 8**
  John Pagano
- [ ] **Caltrans, District 9**
  Gayle Rosander
- [ ] **Caltrans, District 10**
  Tom Dumas
- [ ] **Caltrans, District 11**
  Mario Orso
- [ ] **Caltrans, District 12**
  Bob Joseph

Cal EPA

Air Resources Board

- [ ] Airport Projects
  Jim Lerner
- [ ] Transportation Projects
  Kurt Karperos
- [ ] Industrial Projects
  Mike Tollstrup

- [ ] **California Integrated Waste Management Board**
  Sue O'Leary
- [ ] **State Water Resources Control Board**
  Jim Hockenberry
  Division of Financial Assistance
- [ ] **State Water Resources Control Board**
  Student Intern, 401 Water Quality Certification Unit
  Division of Water Quality
- [ ] **State Water Resouces Control Board**
  Steven Herrera
  Division of Water Rights
- [■] **Dept. of Toxic Substances Control**
  CEQA Tracking Center
- [ ] **Department of Pesticide Regulation**

Regional Water Quality Control Board (RWQCB)

- [ ] **RWQCB 1**
  Cathleen Hudson
  North Coast Region (1)
- [ ] **RWQCB 2**
  Environmental Document Coordinator
  San Francisco Bay Region (2)
- [ ] **RWQCB 3**
  Central Coast Region (3)
- [■] **RWQCB 4**
  Jonathan Bishop
  Los Angeles Region (4)
- [ ] **RWQCB 5S**
  Central Valley Region (5)
  - [ ] **RWQCB 5F**
    Central Valley Region (5)
    Fresno Branch Office
  - [ ] **RWQCB 5R**
    Central Valley Region (5)
    Redding Branch Office
- [ ] **RWQCB 6**
  Lahontan Region (6)
  - [ ] **RWQCB 6V**
    Lahontan Region (6)
    Victorville Branch Office
- [ ] **RWQCB 7**
  Colorado River Basin Region (7)
- [ ] **RWQCB 8**
  Santa Ana Region (8)
- [ ] **RWQCB 9**
  San Diego Region (9)

- [ ] **Other** _____

Last Updated on 9/16/04

From: <ajkrauss@mindspring.com>
To: <jliao@planning.lacity.org>
Date: 1/24/2005 2:02:19 PM
Subject: Please do NOT allow Buckley to expand!

Dear Mr. Liao:

I am writing you ask you NOT allow Buckley to proceed with their Campus Enhancement Program, which involves expanding student body, re-zoning land use designations, and rebuilding/expanding most buildings on campus for the following reasons.

1. Safety
Buckley currently has only two entrances and they have no way of creating a fire/earthquake evacuation procedure. One of the roads is 18ft wide, and includes a hairpin turn. Their plan calls for excavation to create a subterranean parking structure, yet underground streams exist, and could put neighboring homes at risk.

2. Noise and Traffic Pollution
Demolishing buildings and moving large amounts of dirt will NEGATIVELY impact our neighborhood and wildlife. The project will take 8-10 years to complete, and it is unreasonable to ask us (their neighbors) to bear these problems for such an extended length of time. We currently have parents parking their cars in front of our house at 8am, and walking their children to the school this, in concert with the line up of cars waiting to turn onto Stansbury, makes it very difficult for us to see when we are pulling out of our driveway.This will SURELY worsen if an additional 75 cars need to get to and from the school.

3. Inaccurate/False Communication
Buckley recently mailed out a brochure describing their plan, which has been found to have false statements and inaccuracies. They claim that they came to this plan with 'significant input from it's neighbors', which is FALSE -- our input was not considered. They want variances to build higher than is regulated. They want to allow expansion of existing school use in the outer corridor of the Mulholland Scenic Parkway, yet they claim to leave surrounding natural areas undisturbed. They claim to have 'scaled-back it's initial plans to modernize the campus', yet they have substantially increased their plans since previous meeting.

Buckley is located in a unique, ecologically sensitive area at the end of a cul-de-sac. Our neighborhood cannot absorb any more traffic, noise, or multi-story buildings.

Thank you for your time,

Audrey Krauss-Santos
14101 Valley Vista Blvd
Sherman Oaks, CA 91423

Audrey Krauss
Art Center College of Design
Design Office
626.396.2471

Mr. Jimmy Liao,
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

January 24, 20005

Dear Mr. Liao,

I am writing you to request that the Department of City Planning require and in depth study regarding the massive increase of 53,000sq feet of new buildings to an already over developed site, the proposed expanding of the student body which increases evacuation problems and fire hazard in a fire zone, increased problems of traffic, the expansions effect on Fossil Ridge State Park, the effect of grading and building on hillsides, and the additional problem of drainage and flooding to our canyon since Buckley resides in the Canyon's natural stream bed, and the problem of noise created by 10 years of construction and additional students at the school.

IMPACT OF MASSIVE CONSTRUCTION

1. If it were today Buckley would not be allowed to build. How easy would it be for a developer to get twenty six homes built that are 2,000 square feet on Buckley's site.
2. How much space does Buckley need? It is proposing to add 53,000 square feet to its 99,000 sq feet, and increase of almost fifty percent. That means they could add an additional high school to their site since they are not expanding their administrative offices or their gym. Obviously, this would be more lucrative for Buckley, but it does nothing to enhance the neighborhood.
3. According people at the school, Buckley has enough classrooms. It is open space that is lacking. Gym classes have to be given indoors because there is not enough open space for all 12 grades, which have to share the football field and small asphalt yards behind the elementary and middle school buildings.
4. Buckley has eighteen acres, but it has already used up all of its flat buildable space. One new building is being proposed on the hill bordering Camino de la Cumbre, which is the last remaining buffer between the school and the neighborhood . Trees will have to cut down, because retaining walls will have to be built into the hill. The school is also building a massive science building 14 partially on a hill between the foot ball field and the arts and crafts building and building 20b which ison a hill in the fire zone and Mulholland Corridor. Trees on that hill will be eliminated. That hill is presently used by deer from Fossil State Park. Three new tennis courts will be squeezed next to Fossil Ridge Park. That is probably why Buckley is trying to acquire State Park land around it's football field. Buckley calls these buildings and the tennis courts "enhancements" . They

certainly do not enhance the neighborhood. Buckley is turning a beautiful canyon into a commercial zone of mall like packed in buildings.

5. At present there is terrible drainage of the canyon. A 100,000 square two story parking lot is being proposed. We would like to have it's effect on the drainage of the canyon and the underground streams. Presently no water is allowed to drain down into lowest part of the canyon where Buckley resides. Buckley has a barb wire fence around it's property (we would like a study of it's effect and danger to wildlife from Fossil Park). The wire fence along with sand bags means that all water drains down Camino de la Cumbre during a storm, creating a hazard for the 200 + residents along the street and the community above. Last week there was a terrible lansdslide in this fragile canyon which blocked Camino de la Cumbre for two days.
6. **There will be noise echoing in canyon from 10 years of construction. We would likes it's impact studied.**

7. Other private schools Like Oakwood, Harvard Westlake and Brentwood have two campuses. Brentwood has 300 students inK-6 and 650 students in the upper school. Harvard Westlake has about 700 in their middle school, and 850 in their upper school. Oakwood has about 280 in their k-6th and 480 in their 7th thru 12th grades. With a second campus Buckley could have more buildings and more students without overwhelming our neighborhood.

FIRE, LIFE SAFETY, EVACUATION, SECOND EGRESS

1. Recently the people of Los Angeles witnessed terrible wildfires, that took place in canyons and fire Zones of Southern California. I recently visited the Fire Department at Mulholland Drive at the top of our canyon. They said that the Santa Monica Mountains and Canyons of Sherman Oaks have not had a major fire since the 60's and that the region is overdue. The next fire could be a really big one.

2. If there was a fire or earthquake in our canyon, evacuation would be a major problem. Parents picking up their students in Cars and fire engines would have a major problem approaching Buckley by way of Stansbury. Stansbury is often a traffic jam that extends for several blocks even without a fire. The neighborhood residents between the school and Mulholland Drive would all try to evacuate by driving down Camino de la Cumbre. There are over 300 homes on Coy, Glorietta Street, Glorietta Place, and Camino de Solana. Because many of the students of Buckley would be coming from the West side hundreds of Buckley parents could also clog Camino de la Cumbre.

3. **SECOND EGRESS** The back gate of Buckley exits on Camino de la Cumbre. Teachers, and students, and parents exiting during an evacuation would immediately clog the street.

4. **LIFE SAFETY.** Because Stansbury becomes a narrow street between Valley

Vista and Buckley it is impossible for an emergency vehicle to get thru. One resident on this street has a stroke and another has had a heart attack. Adding more students to the school will increase the traffic jam during drop off and pick up hours. Doctor's are unable to park near patients homes because of the traffic, which could be dangerous in an emergency.

PETITIONS

1. 683 people (approximately 95% from homes surrounding or near the school signed this petition:

We oppose the Buckley School application for a new conditional use permit which would allow the school to increase enrollment and construct new buildings and additions of the current campus which is located at the south end of Stansbury Ave adjacent to Fossil Ridge State Park which would be negatively impacted by the expansion. We encourage Buckley to place any additional students at a different location to prevent an increase in graphic and noise in our Neighborhood.

Open space

People in the canyon have raised money to create parkland and open space. Buckley should give up the twelve acres it doesn't want and is not connected to its campus. People from the Canyon could raise money to buy it as they have with other parcels in the Canyon which are now State Parkland. Buckley should not be trying to exchange a parcel of land with land around their football field which now belongs to the Conservancy. More development adjacent to Fossil Ridge should be studied by your department for it's impact. Buckley is surrounded on three sides by Fossil Ridge State Park and Oak Forest Canyon Park. Over 13,000 individuals singed petitions to create these parks along with the hard work of our elected officials. The property simply cannot support another 53,750 square feet of development and hillside grading. We want the increased expansion on the wildlife from the park studied.

Thank-you,

Barbara Case

3852 Camino de Solana
Sherman Oaks, CA 91423

E: mail : bdourmash@aol.com

818 995 3997

From: "Tamara Christian" <TChristian@palpartners.com>
To: <jliao@planning.lacity.org>
Date: 1/24/2005 5:03:40 PM
Subject: Response to Buckley School Campus Enhancement Plan

Mr. Liao -

I am writing in response to the Buckley School Campus Enhancement Plan, and am urging you to NOT allow Buckley to proceed with their expansion program. Their proposed enhancements include increasing the number of students by more than 10%, re-zoning land use designations, rebuilding/expanding most buildings on campus, and the addition of a swimming pool and tennis courts. As an area homeowner and environmentalist, I am strongly opposed to the proposed enhancement plan for a number of reasons, including but not limited to:

1. SAFETY. Any expansion would seriously exacerbate existing safety problems. Buckley only has two entrances and has no way of creating a fire/earthquake evacuation procedure. One of the roads is only 18 feet wide with two-way traffic, many hairpin turns, and too many cars driving at excessive speeds and in the middle of the road. Their plan also calls for excavation to create a subterranean parking structure. Not only does this pose an environmental hazard to the underground streams and wildlife, but could also disrupt the land putting neighboring homes at risk. There have already been numerous incidences of student smoking and loitering in an area which is very dry and highly flammable; more students will only add to the number of occurrences.

2. NOISE AND TRAFFIC POLLUTION. Demolishing buildings and moving large amounts of dirt will negatively impact the neighborhood and the prevalent wildlife. The project will take 8-10 years to complete and it is unreasonable to ask a neighborhood to bear these problems for such and extended length of time.

3. INACCURATE/FALSE COMMUNICATION. Buckley recently mailed out a fancy brochure describing their plan which contains falsities and inaccuracies. Buckley claims that they are proposing this plan with, "significant input from the neighbors," which is false - our input was never solicited and we have opposed previous expansion attempts. They are also wanting variances to build higher than is regulated. They want to allow expansion of existing school use in the outer corridor of the Mulholland Scenic Parkway, yet they claim to leave surrounding natural areas undisturbed. They claim to have, "scaled back its initial plans to modernize the campus," yet they have substantially increased their plans since our previous meetings.

Buckley is located in a unique, ecologically sensitive area at the end of a cul-de-sac. This neighborhood simply cannot absorb any more traffic, noise, or multi-story buildings. We recommend that Buckley create a new plan involving a split campus.

Thank you for your consideration,

Tamara and Jon Christian

3530 Coy Drive

Sherman Oaks, CA 91423

tchristian@palpartners.com

818-789-5721

Metropolitan Transportation Authority
One Gateway Plaza
Los Angeles, CA 90012-2952
213-922.2000 Tel
metro.net

Metro

January 21, 2005

RECEIVED
CITY OF LOS ANGELES
JAN 24 2005
ENVIRONMENTAL
UNIT

Jimmy C. Liao, City Planner
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

Dear Mr. Liao:

Thank you for the opportunity to comment on the Notice of Preparation (NOP) for the Buckley School Campus Enhancement Plan. This letter conveys recommendations from the Los Angeles County Metropolitan Transportation Authority (LACMTA) concerning issues that are germane to our agency's statutory responsibilities in relation to the proposed project.

A Traffic Impact Analysis (TIA), with both highway and freeway, and transit components, is required under the State of California Congestion Management Program (CMP) statute. The CMP TIA Guidelines are published in the "2002 Congestion Management Program for Los Angeles County", Appendix D. The geographic area examined in the TIA must include the following, at a minimum:

1. All CMP arterial monitoring intersections, including monitored freeway on/off-ramp intersections, where the proposed project will add 50 or more trips during either the a.m. or p.m. weekday peak hour (of adjacent street traffic); and
2. Mainline freeway-monitoring locations where the project will add 150 or more trips, in either direction, during either the a.m. or p.m. weekday peak hour.

Among the required steps for the analysis of development-related impacts to transit are:

1. Evidence that the affected transit operators received the NOP for the Draft EIR;
2. A summary of the existing transit services in the area;
3. Estimated project trip generation and mode assignment for both morning and evening peak periods;
4. Documentation on the assumptions/analyses used to determine the number of percentage of trips assigned to transit;

5. Information on facilities and/or programs that will be incorporated in to the development plan that will encourage public transit usage and transportation demand management (TDM) policies and programs; and
6. An analysis of the expected project impacts on current and future transit services along with proposed project mitigation.

The MTA looks forward to reviewing the Draft EIR. If you have any questions regarding this response, please call me at 213-922-6908 or email at chapmans@metro.net. Please send the Draft EIR to the following address:

LACMTA
One Gateway Plaza
Attn: Susan Chapman
Long Range Planning, 99-23-2
Los Angeles, CA 90012-2952

Sincerely,

Susan Chapman
Program Manager, Long Range Planning

From: Anne Peplau <lapeplau@ucla.edu>
To: <jliao@planning.lacity.org>
Date: 1/25/2005 9:59:28 PM
Subject: Proposed Buckley Expansion

January 25, 2005
Jimmy C. Liao
City Planner

Dear Mr. Liao,

I am writing as a resident of Sherman Oaks to express my strong opposition to the proposed Buckley school "Campus Enhancement Program."

Although recent publicity from Buckley claims that they have had significant input from their "neighbors", this is simply NOT TRUE. I live very close to the school and I am firmly against the school's so-called enhancement.

I am a frequent driver on Camino de la Cumbre, the tiny back road that borders the school and is used by school buses. This road is very dangerous and additional traffic, both during construction and following construction, will only add to the existing safety hazards.

The extensive building projects planned will create problems of noise and traffic congestion that will adversely affect all of us who live in the neighborhood. The deer, coyotes, and other wildlife that we frequently see on the hillsides will be similarly disrupted by this proposal.

I am also seriously concerned about a variety of safety issues, including the limited access to the school during emergencies and the proposed construction of an underground parking structure.

I urge you to consider the welfare of ALL the residents of this canyon area. Our canyon requires protection, not expansion.

Sincerely,

Letitia Anne Peplau
(Professor, UCLA)
14481 Glorietta Drive
Sherman Oaks, CA 91423

January 25, 2005

Jimmy C. Liao, City Planner
Environmental Review Section
Department of City Planning
200 N. Spring St., Room 750
Los Angeles, CA 90012

Hello,

In regard to "The Buckley School Campus Enhancement (EXPANSION) plan, many of us in the neighborhood are strongly opposed to this plan for a multitude of reasons, among them: increased traffic, noise from seven to ten years of construction, pollution from demolition and excavation, environmental damage to the canyon and disturbance to the wild life.

SAFETY: Any expansion would seriously exacerbate existing safety problems. Buckley only has two entrances and they have no way of creating a fire/earthquake evacuation procedure. One of the roads is 18 feet wide and includes a hairpin turn. Their plan calls for excavation to create a subterranean parking structure, yet underground streams exist, and could put neighboring homes at risk. A number of incidences of student smoking and loitering in this high fire neighborhood have been reported.

NOISE AND TRAFFIC POLLUTION. Demolishing buildings and moving large amounts of dirt will negatively impact the neighborhood and wildlife. The project will take 7 to 10 years to complete, and it is unreasonable to ask a neighborhood to bear these problems for such an extended length of time.

INACCURATE/FALSE COMMUNICATION: Buckley recently mailed out a slick brochure describing their plan, and we find it to contain false statements and inaccuracies. They claim that they came to this plan with "significant input from the neighbors", which is false—our input was not considered. They want variances to build higher than is regulated. They want to allow expansion of existing school use in the outer corridor of the Mulholland Scenic Parkway, yet they claim to leave surrounding natural areas undisturbed. They claim to have "scaled back it's initial plans to modernize the campus", yet they have substantially increased their plans since our previous meetings.

Buckley is located in a unique, ecologically sensitive area at the end of a cul de sac. This neighborhood simply cannot absorb any more traffic, noise, or multi-story buildings. We recommend that Buckley create a new plan involving a split campus.

Thank you,

Claudia Katz

Claudia and Gerry Katz 3420 Coy Dr. Sherman Oaks, CA 91423 818 9953847

Phyllis H. Barbato
3516 Camino de la Cumbre
Sherman Oaks, CA 91423

January 31, 2005

RECEIVED
CITY OF LOS ANGELES
FEB 01 2005
ENVIRONMENTAL
UNIT

Mr. Jimmy C. Liao, City Planner
Environmental Review Section
Dept. of City Planning
Los Angeles, California

Dear Mr. Liao,

Re: Buckley School Campus Enhancement Plan
3900 Stansbury Avenue, Sherman Oaks.

Thank you for the opportunity to express my comments and concerns at the proposed expansion of the existing Buckley School campus.

On the plus side, capping the student population at 830 is acceptable.
Eliminating the traffic grid-lock at Stansbury and Valley Vista during school hours is a most welcome and necessary improvement.

However, my concerns are the following:

Implementing this expansion over a 7 to 10 year period is far beyond what is reasonable to expect of a quiet, hillside community to tolerate!
Other concerns are: Number of trucks hauling material; their hours of operation; worker parking; heavy and continuous truck traffic causing more pavement damage to Camino de la Cumbre; air pollution caused by truck and automobile traffic.
We just experienced a serious mud slide on this road directly opposite an entrance to the Buckley School. Camino de la Cumbre, the street parelleling the school, is a very narrow and winding road with several steep drop - offs. Will safety guard-rails be provided.

It is a fire area.How do you control smoking by workers and students.
How will the noise level increase.
How will the wildlife be affected.
How will emergency vehicles have access to the neighborhood if trucks are impeding the roadway.

All of these concerns must be answered as they have a hugh impact on the environment in this hillside community. Until satisfactory answers are provided, I strongly urge <u>not</u> approving this plan as presently requested.

Sincerely, Phyllis Barbato

Jimmy C. Liao, City Planner
Environmental Review Section
Department of City Planning
200 North Spring Street
Room 750
Los Angeles, CA 90012

January 30, 2005

RECEIVED
CITY OF LOS ANGELES
FEB 01 2005
ENVIRONMENTAL
UNIT

Re: Buckley School Expansion Plan

Dear Mr. Liao,

I **urge you to oppose the planned expansion of the Buckley School** in Sherman Oaks. This ambitious expansion includes a 54% increase in square feet to the physical plant, and an enrolment increase of 80 students (750 students now, 11% increase), making Buckley one of the largest private schools on one campus in Los Angeles. The original Conditional Use Permit allowed 450 students. If they are allowed to expand to 153,000 square feet, they will then soon come back and request an *increase* of 300-400 students (to 1,200 or 1,300 students) because it will conveniently turn out that "they have much more space than they can use." Buckley's disingenuous behavior toward the neighborhood over the last 30 years insures that expansion of the student body will happen if the expanded space is built. The problem is that, unlike other large private schools, Buckley is located at the end of a residential cul de sac on the floor of a narrow canyon. Already Buckley cannot control the neighborhood traffic congestion caused by commuters; for an hour or so in the morning and again in the afternoon there is a line of vehicles for several blocks along the residential street Stansbury Ave. Buckley claims to have a plan for improving queuing of parental vehicles during rush hour, but it is unlikely to make any difference to the exasperating problems faced by all the residents along Stansbury. This problem has existed since the school was built, and only becomes worse with time. Previous plans to "deal with traffic problems" (pacify residents) have never been effective.

The proposed ten year construction project involves excavation for a subterranean parking structure, and so many tons of dirt in hundreds of dump trucks will be rolling on local residential streets – streets part of which are already in bad condition and are not engineered for this kind of heavy industrial use.

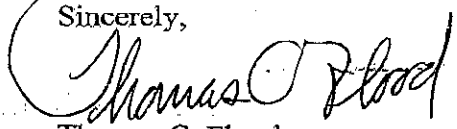
This expansion would overwhelm the environmentally fragile Oak Forest Canyon and the adjoining Fossil Ridge State Park, one of the last green belts left in Sherman Oaks. The plan even requests that almost *5 acres be taken out of this Conservancy land for the school to build on*! The fact that Buckley promises to give 12.6 acres back to the Conservancy is irrelevant because the proposed give-back is *non-adjacent* and will not help the delicate canyon environment.

Perhaps the biggest problem is that inadequate access exists for emergency vehicles and/or evacuation in the event of a brush fire of earthquake. Stansbury is too small and the only other access is up the hill on Camino de la Cumbre to the back of the campus. Camino is a very small road in poor condition and would be very quickly jammed in an emergency (if not already blocked by landslides from an earthquake) If a serious emergency were to arise (especially during rush hour!) not only the Buckley children but the entire neighborhood would be at serious risk.

Simply put, the problem is that an organization of this size is completely unsuited to use the environmentally sensitive land in a nature conservancy canyon with very limited access along a small residential street. If Buckley wants to act on ambitions to become such a large operation, let them find land in an accessible area where they will not diminish the safety and quality of life of all those around them.

Buckley school has been shown over the years to be an irresponsible neighbor, only complying with the terms of its CUP when threatened by the neighbors with revocation. City officials must have the courage and integrity to stand up to the powerful and wealthy special interests behind the Buckley school and stand with the residents of Sherman Oaks in opposition to expansion.

Sincerely,



Thomas C. Flood
3968 Camino de la Cumbre
Sherman Oaks, CA 91423
Home Phone (818) 986-7073
Work Phone (213) 740-7066
Fax (818) 986-9949
EMail: flood@usc.edu

Andrea Z. George, Ph. D.
8716 Beverly Ridge Drive
Sherman Oaks, CA 91423-4609
(818)788-9870 Fax(818)789-4789

RECEIVED
CITY OF LOS ANGELES
JAN 31 2005
ENVIRONMENTAL
UNIT

January 28, 2005

Jimmy C. Liao, City Planner
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

Re: EAF No. ENV-2004-7171 EIR

Dear Mr. Liao:

I'm writing to add my name in opposition to the Campus Enhancement Plan proposal submitted by Buckley School.

My family home is located on Beverly Ridge Drive overlooking the Buckley School property. We have lived here for thirteen years.

In view of the school 's consistent failure to comply with their original Conditional Use Permit, I see no merit in granting them additional privileges in this area. They have not been a good neighbor nor a good steward of the public lands. To the contrary, Buckley's main focus is on expanding its facilities to enhance its profits at the expense of the quality of life of its neighbors.

As an example of personal experience of the abuse of their current situation, I cite the following:

I recently attempted to hike the western slope of "so-called" Fossil Ridge east of the campus. I wanted to take a photograph of my home on the hill opposite. I made a point of confining my course to the conservancy land to avoid the school property. I was accosted by the school guard who told me I was not allowed to be there. When I attempted to explain my purpose, he warned me that I could be arrested for carrying a camera which could be construed as stalking the students.

At the January 25th Open House/Scoping Session, a school representative (Dan ____) bragged about how he and his wife easily ascended the trails to the top of the ridge.

The school has illegally built an extensive system of trails leading to an amphitheater on the conservancy property and denied the public access to these trails. I feel certain that if they are granted extension to the campus this will further preclude the public's access to the land. In effect, Fossil Ridge has become a private park for Buckley School.

The borders of the school property have not been respected in the past. Tennis courts have been built on conservancy land. The previous Conditional Use Permit included promises of school owned property to be granted to the conservancy. Are these the same acres that are again being used as bait?

Buckley has not only failed to meet the conditions of its permit; it has abused the trust accorded it. In lieu of granting further permissions, consideration should be given to revoking the existing ones. It is unthinkable to extend further privileges to one who has a proven record of violation.

Sincerely,

Andrea Z. George, PhD.

Andrea Z. George, Ph.D.

c: Councilman Jack Weiss
14310 Ventura Blvd., Suite 100
Sherman Oaks, CA 91423

Joe Edmiston, Executive Director
Santa Monica Mountain Conservancy
5810 Ramirez Canyon Road
Malibu, CA 90265

January 28, 2005

Mr. Jimmy Chieh-Min Liao
City Planner / EIR Unit Head - Department of Planning
200 N. Spring Street
City Hall, Room 750
Los Angeles, CA 90012

RECEIVED
CITY OF LOS ANGELES
JAN 31 2005
ENVIRONMENTAL
UNIT

RE: The Buckley School (ENV-2004-7171-EIR)
Scoping Session (1/25/05)

Dear Mr. Liao:

I live on Stansbury Avenue, in Sherman Oaks, in the vicinity of The Buckley School. The presence of this school at the end of my street impacts my family and me on a daily basis, and I am extremely concerned and alarmed about its desire to expand the campus in any way.

Aside from the fact that I have two small children and find it dangerous and difficult to back out of my driveway due to the traffic caused by the school, the following environmental issues should be of serious concern to the Environmental Report:

Increased traffic on residential streets, increased noise due to construction and increase of student body, erosion of the hillside, on-site oak tree removal, a haul route on a residential street, building height, air pollution from proposed subterranean parking structure, hillside grading, remission of friable asbestos during demolition, hydrology, and grading adjacent to Fossil Ridge State Park.

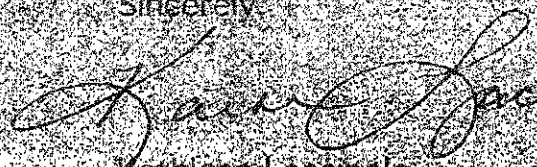
Buckley school is probably the only K-12, single campus school located in a residential neighborhood. Considering all the negative issues brought to light, allowing it to expand would be extremely detrimental and I strongly urge the Environmental Review Section to consider alternatives to this expansion.

For example, splitting the campus into two locations. This has worked extremely well for other K-12 schools such as Oakwood. Better yet,

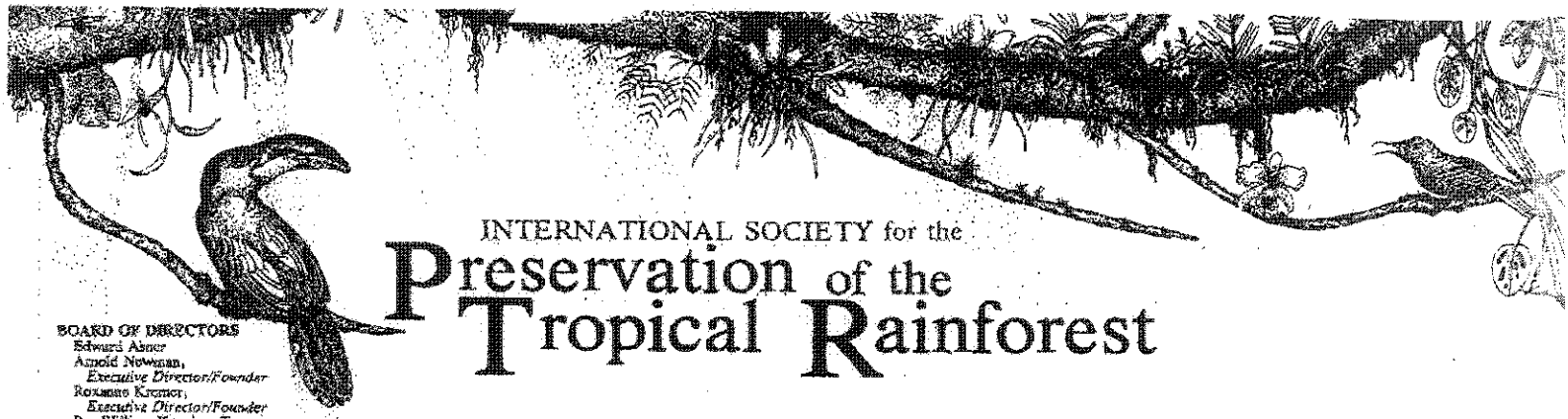
Buckley (an extremely successful private school) could just maintain their existing campus at its current size and student body.

Thank you for your time and consideration.

Sincerely,



Kathleen Lacoinole
4011 Stansbury Avenue
Sherman Oaks, CA 91423



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Preservation of the Tropical Rainforest

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Arlene Newman, Executive Secretary

January 28, 2005

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ENVIRONMENTAL
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Mr. Jimmy C. Liao, City Planner
Environmental Review Section
200 N. Spring Street, Room 750
Los Angeles, CA 90012

Re: ENV-2004-7171EIR

Dear Mr. Liao:

It was a pleasure to speak to you at the recent scoping session.

The establishment of Fossil Ridge State Park and Oak Forest Canyon State Park were keystone landmarks in habitat and paleontological resource preservation for the City of Los Angeles and State of California, for which ISPTR was proud to play a part. As co-chairs of the Sherman Oaks Homeowners Assn. Buckley School Expansion Committee, my concerns are multi-faceted.

As you are well aware, Buckley School is directly contiguous to both parks on its southern and eastern boundary and is an obvious facet in their view shed. (Fossil Ridge view shed and wildlife corridor parkland is above Buckley on the west.) When Buckley School entered its current site in Oak Forest Canyon several decades ago, from its Woodman Avenue location in the Valley, it worked constructively with our community to contain its building footprint and height of structures.

From the onset, the city was understandably responsive to the community's residents in narrowly admitting Buckley its occupancy which, quite unique for a school, is nestled directly in the center of a quiet, wooded, upscale single family residential setting on a cul-de-sac street..

In 1998, Buckley's plans for expansion was soundly defeated after a widespread outcry from a diverse number of organizations and state officers which included the Sierra Club, The International Society for the Preservation of the Tropical Rainforest, the Ecology Science Center of Southern California, the Federation of Hillside and Canyon Associations, the San Fernando Valley Federation, the Sherman Oaks Homeowners Assn., the Santa Monica Mountains Conservancy, a state senator and district councilman.

3931 Camino de la Cumbre • Sherman Oaks, CA 91423 • (818) 788-2002 • FAX (818) 990-3333

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AN AMERICAN AND PERUVIAN NON-PROFIT ORGANIZATION

Once again, Buckley has a plan before you to increase its building area from 99,150 to 152,900 square feet.

Our community is gravely concerned with the magnitude of this proposed development and especially so the 100,000 sq. ft. semi-subterranean parking structure. An excavation of this size requires leveling existing buildings which would otherwise not be demolished, then rebuilt anew.

City Planning Department files adequately document the instability of the hillside directly above Buckley School to the west. A significant part of the soil instability is a result of the following: Frank Reister, who lived on Camino de la Cumbre was the owner of all the property above Buckley School on its entire western boundary. During the 1950's, the developers of Beverly Ridge development paid Frank Reister $150,000 to allow the developers to bulldoze the top of Beverly Ridge onto the hillside slopes below, belonging to Reister, thus saving the cost of transporting the earth.

The uncompacted fill covering the unstable diatomaceous shale buried the existing chaparral and the fill went uncompacted. You can readily see the difference in plant growth on Fossil Ridge to the east, clothed completely in climax chaparral and below Beverly Ridge which remains today covered only by grasses, native tobacco, mustard (exotic species) and scattered black walnut trees, all secondary growth vegetation in transition. It is noteworthy that those steep slopes on Fossil Ridge suffered no slippage at all over the years.

To the contrary, as a result of the fill overlay, every "hundred year" storm, which seems to occur about every ten years, produces massive mud floods onto Camino de la Cumbre directly above Buckley School; the last mud flood of January '05 was 200 feet long from Beverly Ridge to the Buckley back gate (see photos of that and other severe storm events enclosed), and narrowly missed taking homes with it. Theo Seeley, Geology Technical engineer for the city, while inspecting the slide, stated that "it was the largest mud slide he had seen" during this severe storm. In 1968, mud floods completely covered homes at 4010, 4020, and 4030 Camino de la Cumbre requiring complete excavations both outside and in. In addition, subterranean streams in the proximity of the excavation for the parking structure would be impacted.

We appeal to your mandate to "cause no harm" and "to err on the side of caution." A severe earthquake, which is well overdo, say seismologists, could easily be perceived as an event which could de-stabilize the hillside and put at risk homes above and beside the parking structure.

At a recent meeting, Buckley's Headmaster, Paul Horovitz, at his own behest, volunteered to search for and acquire an off campus property to conduct car queuing, parking and shuttle service. This in lieu of the on campus parking structure. Yet, months later, there is no news of productive movement to effect this constructive alternative.

Please be responsive to the city and state offices and citizens who worked for almost three decades to preserve the immediate vicinity of the proposed Buckley development and consider the expansion's impact on Fossil Ridge

State Park, the Oak Forest Canyon State Park, area of building footprint and height of structures, and the voluminous excavation necessary.

In addition, air pollution emanating from the proposed parking structure, where, we are informed, lines of 80 cars at a time within the structure will be dropping off and picking up students with cars running and noxious gasses building and being evacuated directly into our community.

Consider as well the impact on single family residents from the sight and noise volume of the school and its activities, the paleontological (see historical documentation enclosed), zoological (see enclosed photo of mated pair of bobcats, taken on edge of Fossil Ridge State Park - of extreme rarity east of 405 freeway), and botanical resources disturbed or destroyed by the proposed grading and construction, oak tree removal, as well as the increased traffic and noise volume that would result in the considerable expansion proposed, especially so over the seven to ten year period of construction.

Considering the multi-faceted issues involved and their potential gravity, we feel strongly that a full EIR be required of Buckley School to legitimately assess the impact of their plans. Additionally, we urge that Buckley be encouraged to redirect its efforts to establish an annex to its campus on a more appropriate site as a number of schools have opted to do.

Over 13,000 residents signed petitions to preserve this area, the largest virgin habitat on the north slope of the Santa Monica Mountains, east of the San Diego freeway. Please be responsive to the citizens of this community, city and state for whom this wilderness and educational scientific resource is considered vital and a legacy to our children and their children.

We look forward to your reply.

Sincerely,

Arnold Newman

Arnold Newman, President

AN:a
Enclosure

JAN. 05 MUDSLIDE

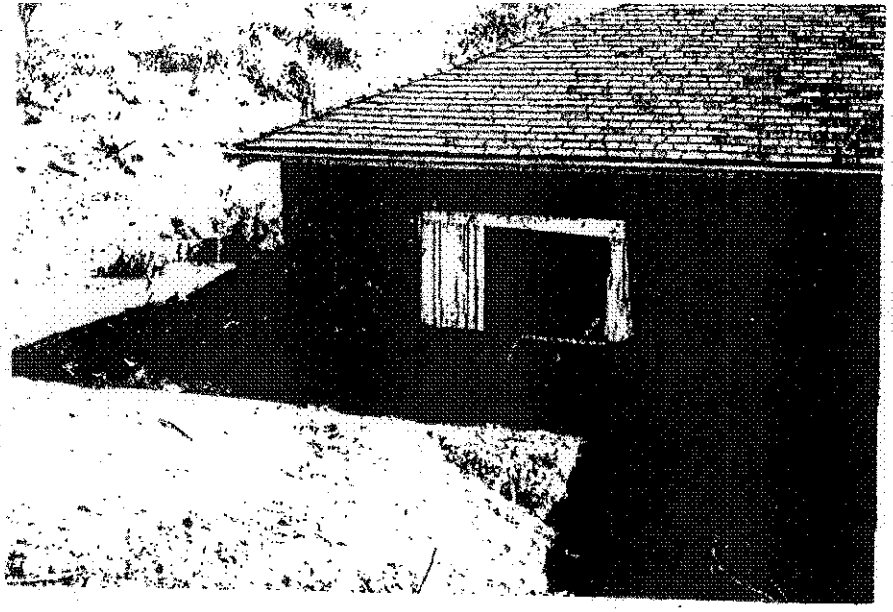
200 FOOT MUDSLIDE FROM SKY RIDGE TO BUCKLEY SCHOOL GATE

JAN. 05 MUD & ROCKSLIDE
ON CAMINO DE LA CUMBRE, ABOVE
BUCKLEY SCHOOL

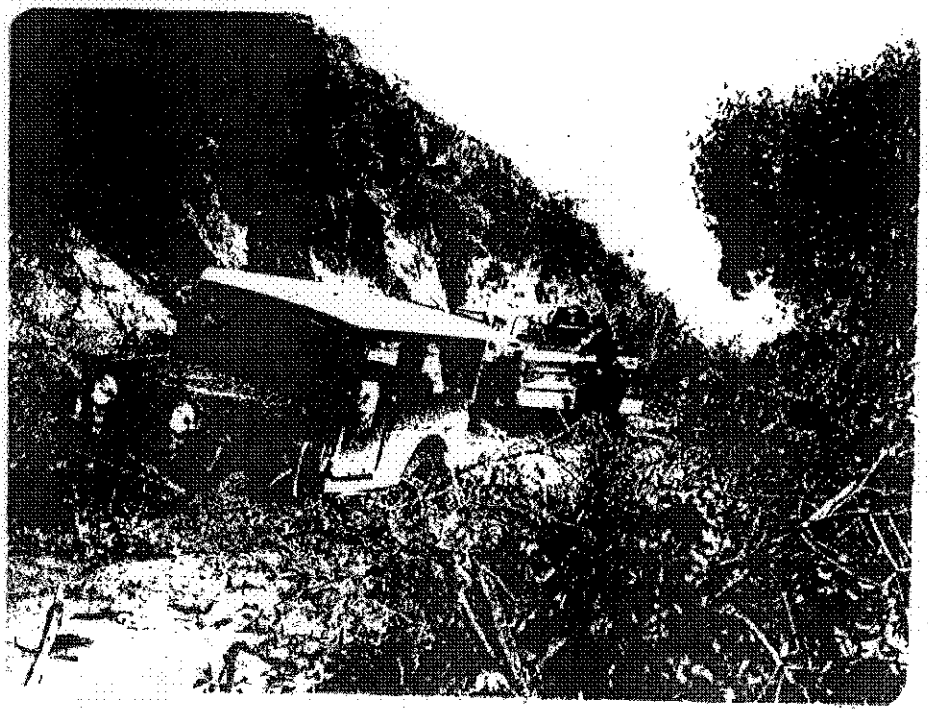




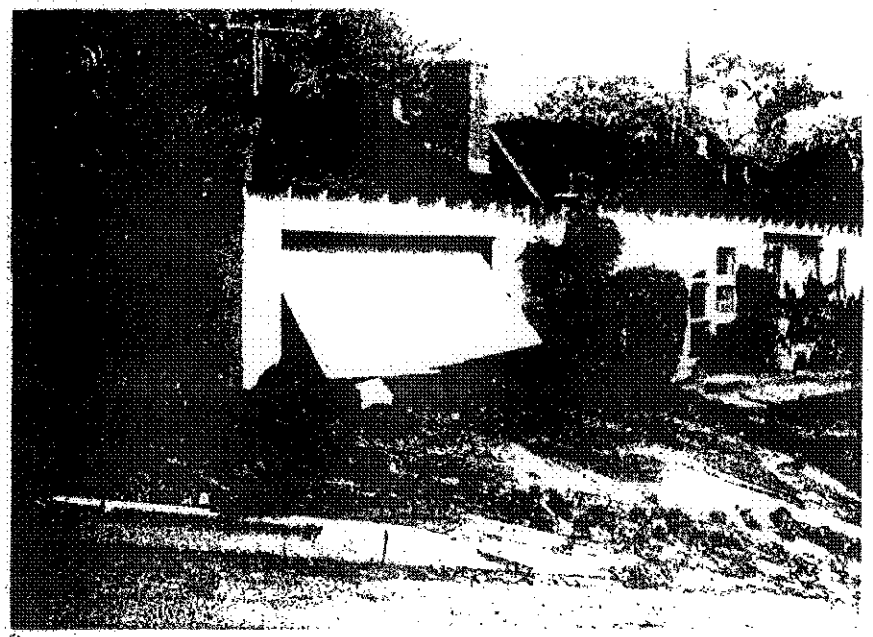








Mudflooding on Camino de La Cumbre during severe storms of 1960's, 70's and 80's

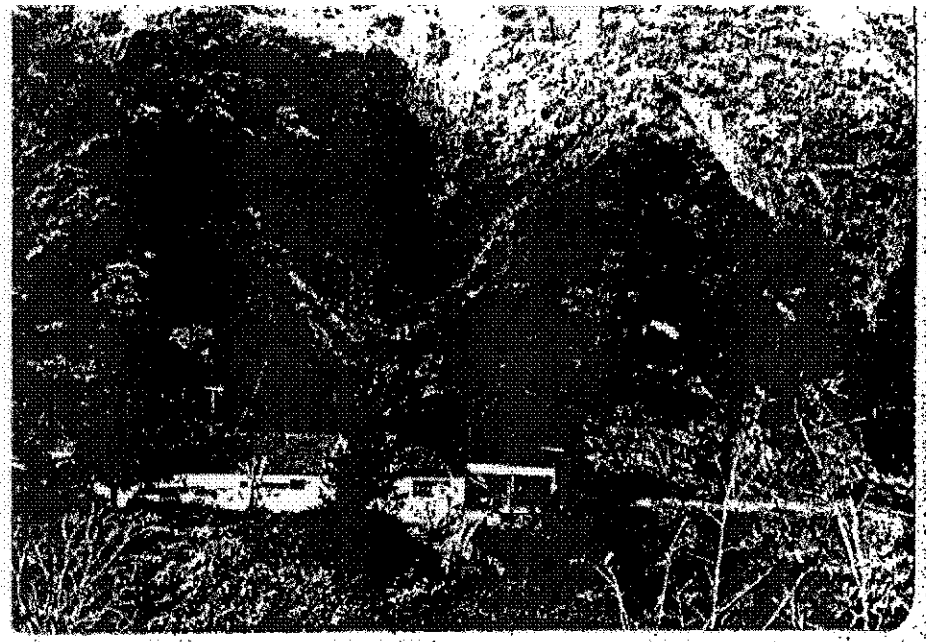


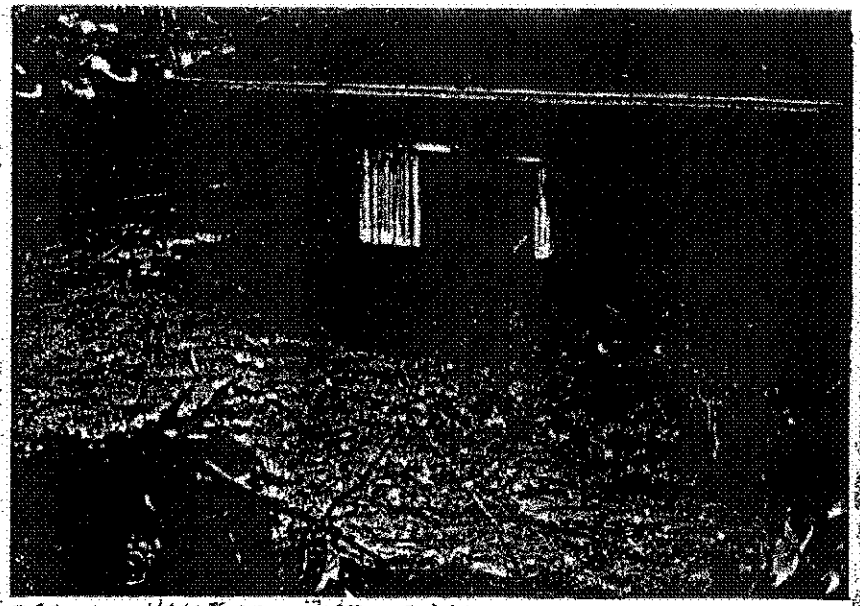






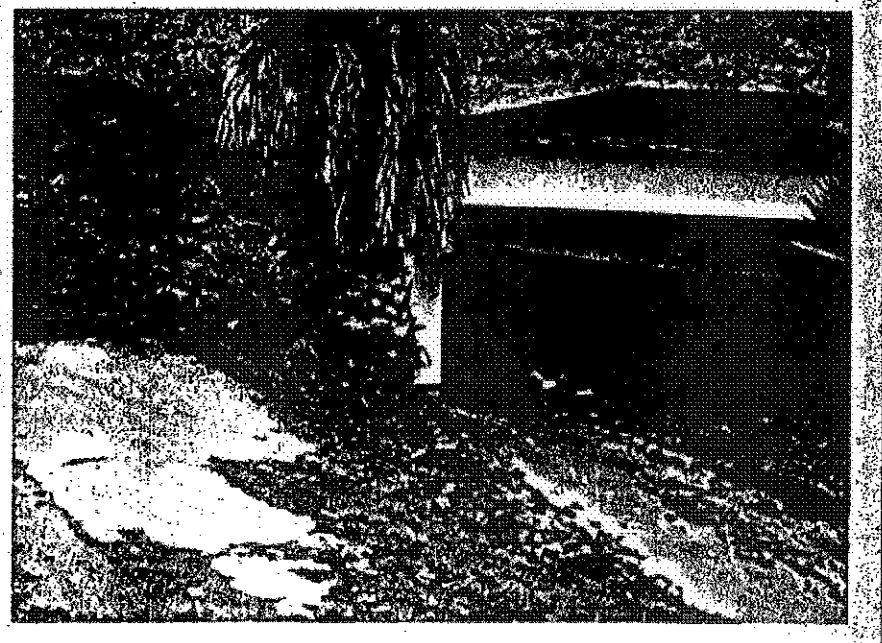




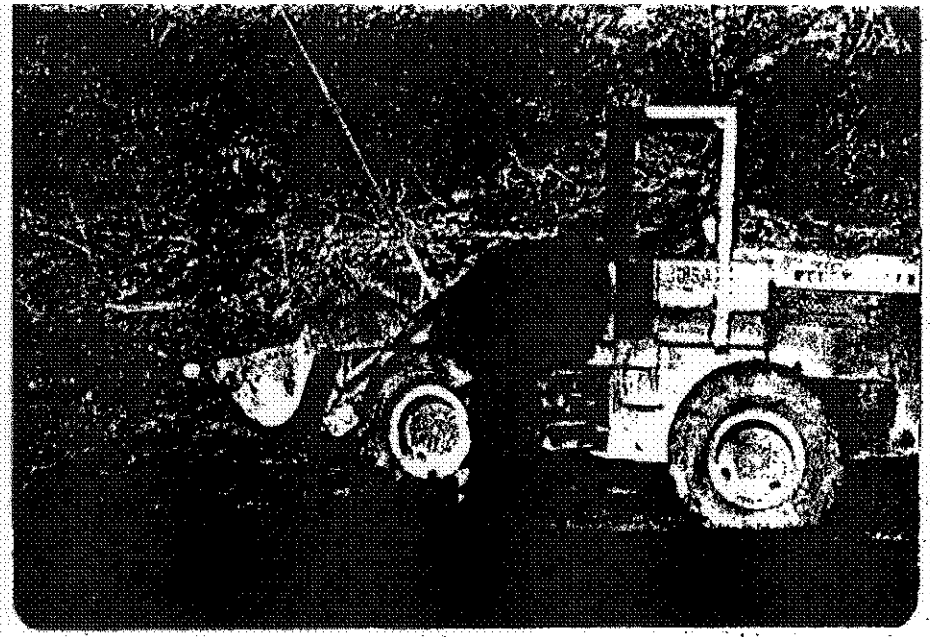


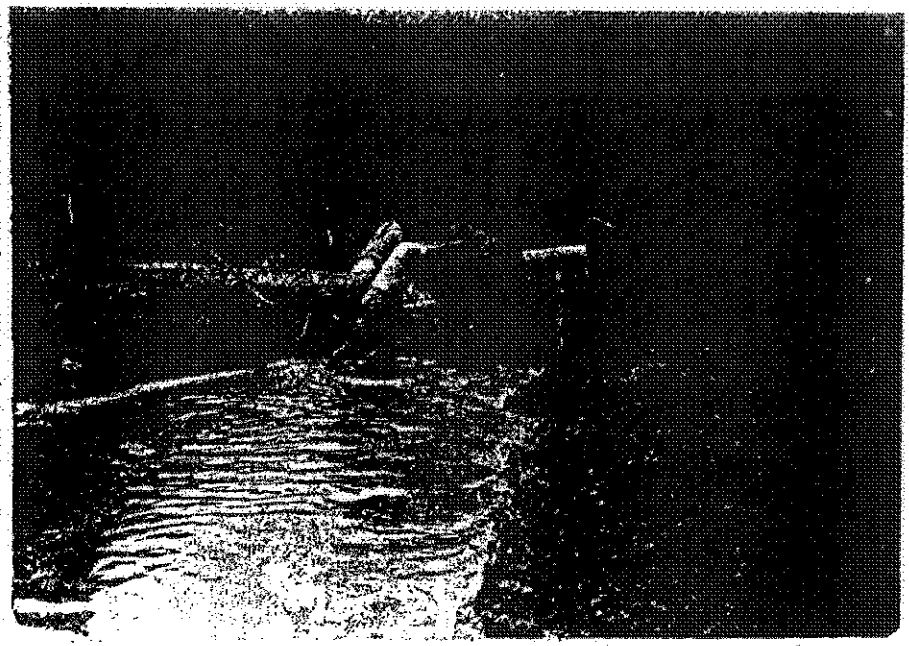
SECOND HOME TO [illegible] CAMINO

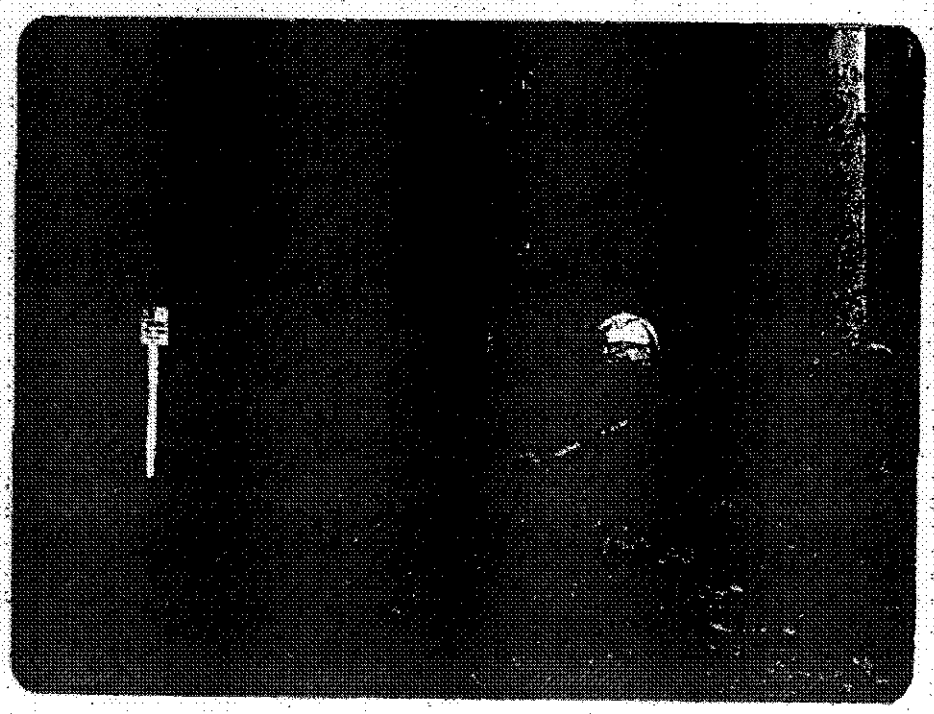


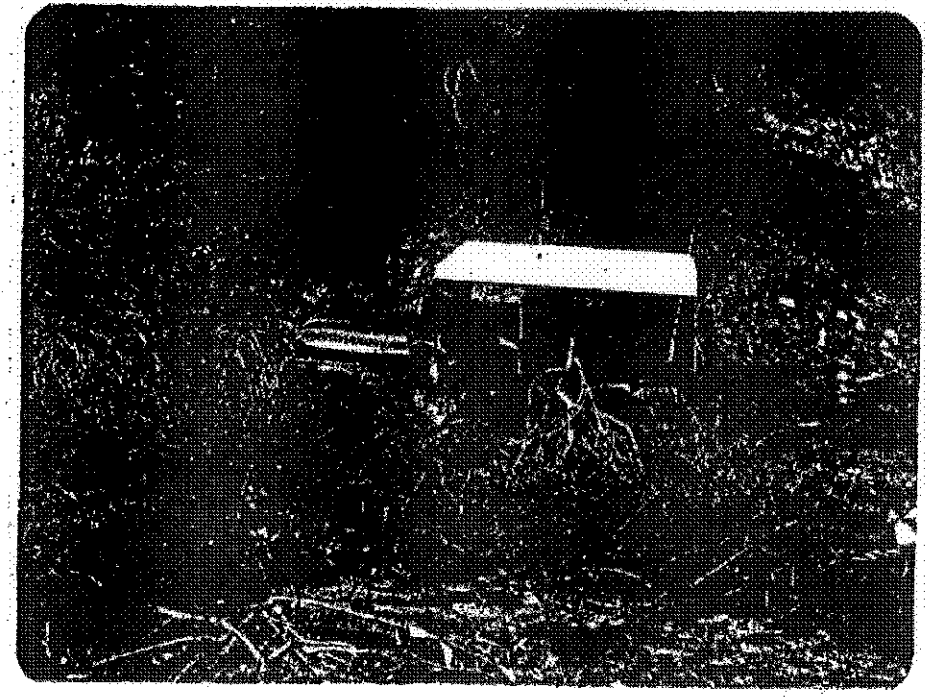


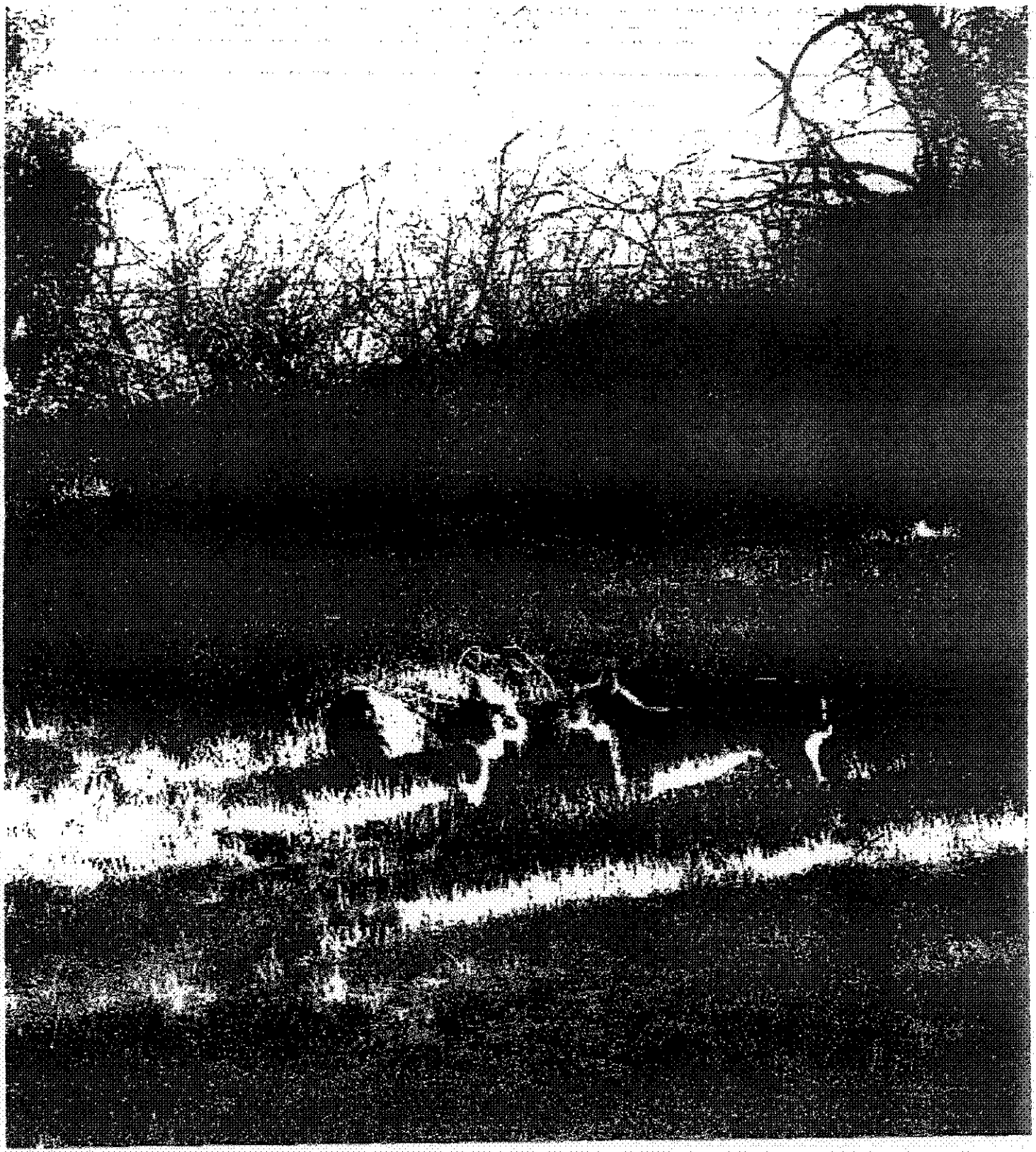
Mudflows on Camino de la Cumbre
During severe storms of 1960's, 70's and 80's













May 21, 1979

Mr. Arnold Newman
3931 Camino de la Cumbre
Sherman Oaks, CA 91420

Dear Arnold:

Continued and ever increasing construction in the Los Angeles Basin has and is resulting in the destruction of paleontogical sites which were previously visited by both scientists and students alike.

Unfortunately, fossil sites which are suitable for elementary and high school purposes are extremely difficult to find in Los Angeles County. Those that do exist are located either outside the county or at points which are difficult to reach or dangerous for relatively large groups to collect.

North Benedict Canyon, Santa Monica Mountains, Los Angeles County, California, contains a number of good outcrops of fossiliferous late Miocene (10 million years old) diatomaceous shales of the Modelo Formation. These diatomites contain abundant disarticulated fish skeletal elements, scales, and rarely completely associated and articulated specimens. The fish are almost all referrable to the Family Clupeidae (herrings), and a few fragmentary individuals of the Myctophidae (lantern fishes) and the Scombridae (mackerels) are also to be found.

In light of the paucity of fossil collecting sites for school groups in Los Angeles County, the North Benedict Canyon site, should be preserved for its educational value, and would serve as an important resource for the students of this county. Fossil remains are abundant enough and exposure sufficient to warrant preservation of this canyon for present and future generations.

If you have any questions regarding the above comments or future questions regarding vertebrate paleontology, please feel free to contact me here at the Natural History Museum.

Sincerely,

Bruce J. Welton
Assistant Curator
Vertebrate Paleontology

BJW/sab

Giles W. Mead, *Director*
Leon G. Arnold, *Assistant Director*
Gurdon Woods, *Assistant Director*

November 29, 1979



Arnold:
The two enclosed letters and to Westrup were the on from Bruce Welton dated May 21, 1979 and from me dated April 9, 1979. Both were addressed to you.

Mr. Warren Westrup
Department of Parks and Recreation
P. O. Box 2390
808 "O" Street
Sacramento, California 95811

Dear Mr. Westrup:

Your name was provided to me by Mr. David Taylor of the National Park Service with a temporary office in Woodland Hills, California as well as Mr. Arnold Newman, a naturalist, interested in preserving portions of the Santa Monica Mountains. It is my understanding that you are responsible for determining the number and priority of land acquisitions in the Santa Monica Mountains to become part of the Santa Monica Mountains National Urban Park. I would therefore like to call your special attention to one parcel which is undoubtedly on your list for consideration, north Benedict Canyon.

Dr. Bruce Welton and I accompanied Mr. Newman to the site last year and believe the location could be developed into a worthwhile educational opportunity for pupils in the Los Angeles area (please refer to the enclosed letters).

In light of the recent and anticipated additional reduction in museum staff, we find it increasingly necessary to reduce our commitments to worthwhile projects and groups seeking our aid. However, the museum would be willing to aid in the training of docents or guides provided by sponsors interested in a paleontological program at the Canyon. Museum curators would also, I am certain, be willing to serve as consultants for any scientific questions that may arise.

The possibility also exists for pupils to learn paleontological techniques in classes held at the Page Museum, or perhaps at the Main Museum on Exposition Boulevard, prior to their trip to North Benedict Canyon. However, an on-site enterpretive facility would seem more logical.

Realizing your desire to acquire many land parcels at this time is frustrated by a lack of available funds, I nevertheless am hopeful the decision will be made to purchase the North Benedict Canyon property.

Sincerely yours,

William Greninger

William Greninger
Education Specialist
George C. Page Museum

cc: Arnold Newman
2 enclosures

NATURAL HISTORY MUSEUM LOS ANGELES COUNTY
Los Angeles County Museum of Natural History • 900 Exposition Boulevard • Los Angeles, California 90007 • tel (213) 744-3414
George C. Page Museum • Hancock Park • 5801 Wilshire Boulevard • Los Angeles, California 90036 • tel (213) 933-7451

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485-4242

March 8, 1978

Santa Monica Mountains Comprehensive
Planning Commission
107 South Broadway
Room 7106
Los Angeles, California 90012

NORTH BENEDICT CANYON PROPOSED PALEONTOLOGICAL PARK

The following Resolution was unanimously approved by the Environmental Quality Board at their meeting of March 7, 1978:

R E S O L U T I O N

WHEREAS, the Environmental Quality Board of the City of Los Angeles recognizes the unique value to the people of Los Angeles and the State of the paleontological site known as North Benedict Canyon Boulevard and Beverly Glen Boulevard extending on the north to Hollyline Avenue in Sherman Oaks; and

WHEREAS, 7,000 people have signed petitions seeking the preservation of this site as a paleontological park; and

WHEREAS, the fragile nature of the area has been amply demonstrated by the slides which occurred on the site during the recent rains; and

WHEREAS, any development of the area might forever prevent the enjoyment and scientific benefits of this site from being available to all future generations of the citizens of the State:

THEREFORE, BE IT RESOLVED that the Environmental Quality Board urges that this area be designated for acquisition as a paleontological park by the State or Federal government on an urgency priority basis.

Moved by: Esther Lewin
Seconded by: Darlene Mitcheltree

ENVIRONMENTAL QUALITY BOARD
City of Los Angeles

fo

cc: All members of Comprehensive Planning Commission

City of Los Angeles

Scoping Meeting for the Environmental Impact Report
Buckley School Campus Enhancement Plan
January 25, 2005

RECEIVED
CITY OF LOS ANGELES
FEB 03 2005
ENVIRONMENTAL
UNIT

Written Comment Form

The purpose of the public scoping meeting is to obtain input from the public regarding the scope and the alternatives that will be analyzed in the Draft EIR for the Buckley School Campus Enhancement Plan. The Campus Enhancement Plan includes vehicular circulation and queuing improvements, increased parking within a new semi-subterranean parking facility, the demolition of eleven buildings, construction of seven new/replacement buildings, additions to, and renovation of, two existing buildings, and the renovation of four other buildings. Upon completion, a net addition of approximately 53,750 square feet of building area would be provided, resulting in a total of approximately 152,900 square feet of educational facilities within the project site.

Comments can be provided verbally at the scoping meeting or in written form. The deadline for submitting written comments to the City is February 11, 2005. In the space below (and on additional pages, if necessary), please provide any written comments you may have concerning the scope of the Draft EIR for the proposed project. Your comments will then be considered during preparation of the Draft EIR.

1. THE CONSERVANCY SOUTH OF BUCKLEY WOULD BE NEGATIVELY EFFECTED.
2. TRAFFIC FOR CONSTRUCTION TIME WOULD BE SO INCREASED AS TO NEGATIVELY IMPACT TRAFFIC PATTERNS, SAFETY OF CHILDREN IN THE NEIGHBORHOOD AND NEGATIVELY IMPACT PROPERTY VALUES.
3. AN INCREASE OF ENROLLMENT BY 80 STUDENTS IS AGAINST THE ORIGINAL PROVISIONAL BUCKLEY PERMIT. IT WAS GRANTED BASED ONLY ON THAT AMOUNT OF STUDENTS AND PREVIOUS ATTEMPTS OF THE BUCKLEY SCHOOL TO INCREASE ENROLLMENT WERE TURNED DOWN.
4. TRAFFIC IN A RESIDENTIAL AREA IS ALREADY A NIGHTMARE — ANY INCREASE IN ENROLLMENT WILL INCREASE THE AMOUNT OF TRAFFIC — IMPACTING AIR QUALITY, RESIDENTS - SAFETY AND PROPERTY VALUES.

Name: KARIN MILLER
Address: 4164 STANSBURY AVE.
S.O. 91423
818 788 1212

Please leave this form in the box provided or deliver or mail it to Mr. Jimmy Liao, City Planner/Project Coordinator, City of Los Angeles, Environmental Review Unit, Department of City Planning, 200 N. Spring Street Room 750, Los Angeles, California 90012. This form can simply be folded and placed in a mailbox. Please remember to add postage.

City of Los Angeles

Scoping Meeting for the Environmental Impact Report
Buckley School Campus Enhancement Plan
January
Written Comment Form

RECEIVED
CITY OF LOS ANGELES
FEB 03 2005
ENVIRONMENTAL
UNIT

The purpose of the public scoping meeting is to obtain input from the public regarding the scope and the alternatives that will be analyzed in the Draft EIR for the Buckley School Campus Enhancement Plan. The Campus Enhancement Plan includes vehicular circulation and queuing improvements, increased parking within a new semi-subterranean parking facility, the demolition of eleven buildings, construction of seven new/replacement buildings, additions to, and renovation of, two existing buildings, and the renovation of four other buildings. Upon completion, a net addition of
Approximately 53,750 square feet of building area would be provided, resulting in a total of approximately 152,900 square feet of educational facilities within the project site.

Comments can be provided verbally at the scoping meeting or in written form. The deadline for submitting written comments to the City is February 11, 2005. In the space below (and on additional pages, if necessary), please provide any written comments you may have concerning the scope of the Draft EIR for the proposed project. Your comments will then be considered during preparation of the Draft EIR.

My family has lived on Stansbury since 1997. I have two small children who attend private school. I am pro-education.

- Buckley wants more students. The sheer volume of traffic is the biggest problem.

Safety is the main issue. The safety of residents and pedestrians using Stansbury Avenue. This area is also access for the existing community. Every school day movement of existing traffic to and from the school causes a multitude of problems. In addition the school has consistently failed to address issues associated with dangerous and rude conduct or the attitude of some of the drivers using our street. They have also failed to address problems of traffic volume at local intersections.

The Valley Vista/ Stansbury intersection cannot handle an increase in traffic. *I have* been prevented from reaching my house in an emergency, by Buckley traffic waiting to cross Valley Vista/Stansbury intersection. I have had to park on Valley Vista and carry an injured three year old to my house.

There should be no increase in the number of students or faculty attending the school. As well as no change to the CUP

- Demolition and construction over a 10-20 year period (according to their architects).

Safety, access, pollution, long term disturbance, nuisance and airborne pollution. The scale and scope of proposed demolition and reconstruction is completely unpractical considering the location of the school.

Expansion and development of Buckley, conditions of its CUP and associated problems have been well studied (last application for expansion 1998). Any increase above 10% of existing building area and any demolition and re-modeling beyond 10,000^{2}' would be excessive considering access and the location. Please protect our neighborhood.

No permits for excessive increase the area of existing or new buildings. No Zone changes

- Construct multilevel underground parking. Excavate and remove 40-50,000^{3}' of Mountain. This will take 10,000 earthmoving cycles of std. 4 ^{3}' trucks using Stansbury for access.

Completion of this will not improve the traffic problems at the intersections surrounding the school. The street in front of my house is blocked in both directions. Excavations will disturb the soils and the flow of water under Stansbury.

No permits for underground parking structure. Protect Santa Monica Conservancy Land. No zone changes.

I believe it is a question of more money for Buckley ($40-$80m for fundraising & $2m pa income). Not better education.

Name: Paul Layton
Address: 4001 Stansbury Ave, Sherman Oaks, CA 91423 818 789-5428

Please leave this form in the box provided or deliver or mail it to Mr. Jimmy Liao, City Planner/Project Coordinator, City of Los Angeles, Environmental Review Unit, Department of City Planning, 200 N. Spring Street Room 750, Los Angeles, California 90012. This form can simply be folded and placed in a mailbox. Please remember to add postage.

LISA POPEIL

Mr. Jimmy C. Liao
Environmental Review Section
Department of City Planning
200 N. Spring St. Room 750
Los Angeles, CA 90012

RECEIVED
CITY OF LOS ANGELES
FEB 04 2005
ENVIRONMENTAL
UNIT

Re: Buckley School Expansion

February 2, 2005

Dear Mr. Liao,

As a 21-year resident of the Sherman Oaks neighborhood adjacent to the Buckley School, I'm writing to add my comments to the discussion of the school's proposed expansion.

I have great concern that the expansion would prove disastrous for this most lovely area of the San Fernando Valley. I conduct business out of my home and on ever-increasing occasions have had clients arrive at my door late and distraught because of their inability to get to my house because of the traffic congestion for Buckley School pick-up.

Though I have heard of the exalted academic program which the school supposedly offers, I have not experienced that personally. A number of my private students study at Buckley and I'm astonished how often their basic analytical skills and writing and reading competency are lacking. My students from other private schools and even public schools seem more fully educated. Buckley seems like a school for wealthy parents to park their children in safety, not an educational environment worthy of status.

If Buckley is allowed to exist because of a Conditional Use Permit, it seems that it is a privilege, not a right, to exist as a business at all. From all that I've read, the school administration has avoided responsibility to the neighborhood and overshot its authority by having more students than legally allowed.

To avoid property value loss and maintain the safety and sanctity of this neighborhood, I propose that the expansion not be allowed to take place, that the school develop an alternate location for its high school campus, like Harvard-Westlake, that a shuttle service be created for children to be picked up at the Stansbury location then bussed to waiting parents and that the existing Conditional Use Permit be enforced to the maximum.

I thank you for your consideration.

Sincerely,

Lisa Popeil

Voiceworks®
14162 Valley Vista Boulevard • Sherman Oaks, California 91423-4043 • USA
Tel.: (818) 906-7229 • Fax: (818) 906-1220 • www.popeil.com • lisa@popeil.com

February 4, 2005

Mr. Jimmy Chieh-Min Liao
City Planner / EIR Unit Head
Department of City Planning
200 N. Spring Street
City Hall, Rom 750
Los Angeles, CA 90012

RECEIVED
CITY OF LOS ANGELES
FEB 07 2005
ENVIRONMENTAL
UNIT

Re: The Buckley School (ENV-2004-7171 EIR)
Scoping Session (01/25/05)

Dear Mr. Liao:

As a resident of Coy Drive, I am directly impacted by The Buckley School and I am deeply concerned about its application to significantly expand the campus.

The environmental issues that demand review in the Environmental Impact Report include but are not limited to the following:

1. Traffic on neighboring streets
2. Noise (during construction and after)
3. Erosion of adjacent hillside
4. On-site Oak tree removal
5. Haul-route (export of 51,000+/- cubic yards of dirt)
6. Building height—view from adjoining single-family homes
7. Air pollution from proposed 100,000+/- sf semi-subterranean parking structure
8. Grading of hillside adjacent to single-family homes
9. Emission of friable asbestos during demolition
10. Hydrology (excavation in near proximity to sub-surface water streams)
11. Paleontological resources (excavation/grading adjacent to Fossil Ridge State Park)

The Buckley School is one of only a small handful of K-12 independent schools in the City of Los Angeles located on just one campus. Buckley is likely the only single-campus school situated at the terminus of a street zoned exclusively for single-family homes (RE-15). Accordingly, I strongly urge the Environmental Review Section to consider alternatives to Buckley's proposed expansion. Said alternatives include; (1) "splitting" the campus to two locations in lieu of expanding their existing location, (2) "shuttling" students and staff from an off-site location in lieu of the proposed parking structure, and/or (3) maintaining the existing campus at its current size and population.

Thank you for your consideration.

Sincerely,

Jon Cohn

3533 Coy Dr.
Sherman Oaks CA 91423

RECEIVED
CITY OF LOS ANGELES
FEB 07 2005
ENVIRONMENTAL
UNIT

MARJORIE AND HENRY LIPSON
4112 STANSBURY AVE.
SHERMAN OAKS, CA 91423

February 2, 2005

Mr. Jimmy Chieh-Min Liao
City Planner/EIR Unit Head
Department of City Planning
200 N. Spring Street
Cit y Hall, room 750
Los Angeles, CA 90012

Re: The Buckley School(ENV-2004-7171 EIR)
Scoping Session (01/25/05)

Dear Mr. Liao:

As residents on Stansbury Ave. north of the Buckley School, we are directly impacted by the school and we are deeply concerned about its application to significantly expand the campus.

The environmental issues that demand review in the Environmental Impact Report include but are not limited to the following:

1. Traffic on neighboring streets
2. Noise (during construction and after)
3. Erosion of adjacent hillside
4. On-site oak tree removal
5. Haul-route (export of 51,000+/- cubic yards of dirt)
6. Building height—view from adjoining single-family homes
7. Air pollution from proposed 100,000+/- sf semi-subterranean parking structure as well as pollution created during the 7 to 10 years of proposed demolition, excavation, and construction.
8. Grading of hillside adjacent to single-family homes
9. Emission of friable asbestos during demolition
10. Hydrology (excavation in near proximity to sub-surface water streams)
11. Paleontological resources (excavation/grading adjacent to Fossil Ridge State Park)

The Buckley School is one of very few private schools in Los Angeles that have grades K-12 on a single campus. It is the only school that is situated at the end of a cul-de-sac on a street zoned exclusively for single-family homes. The school is surrounded by an environmentally sensitive canyon.

Sincerely yours,

Marjorie & Henry Lipson

MARJORIE and HENRY LIPSON

RECEIVED
CITY OF LOS ANGELES
FEB 07 2005
ENVIRONMENTAL
UNIT

Mr. Jimmy Chieh-Min Liao
City Planner / EIR Unit Head
Department of City Planning
200 N. Spring Street
City Hall, Room 750
Los Angeles, CA 90012

February 1, 2005

Re: The Buckley School (ENV-2004-7171 EIR)
Scoping Session (01/25/05)

Dear Mr. Liao:

As a resident of 4001 Stansbury Avenue, I am directly impacted by The Buckley School and I am deeply concerned about its application to significantly expand the campus. The environmental issues that demand review in the Environmental Impact Report include but are not limited to the following:

1. Traffic on neighboring streets
2. Noise (during construction and after)
3. Erosion of adjacent hillside
4. On-site Oak tree removal
5. Haul-route (export of 51,000+/- cubic yards of dirt)
6. Building height—view from adjoining single-family homes
7. Air pollution from proposed 100,000+/- sf semi-subterranean parking structure
8. Grading of hillside adjacent to single-family homes
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The Buckley School is one of only a small handful of K-12 independent schools in the City of Los Angeles located on just one campus. Buckley is likely the only single-campus school situated at the terminus of a street zoned exclusively for single-family homes (RE-15). Accordingly, I strongly urge the Environmental Review Section to consider alternatives to Buckley's proposed expansion. Said alternatives include; (1) "splitting" the campus to two locations in lieu of expanding their existing location, (2) "shuttling" students and staff from an off-site location in lieu of the proposed parking structure, and/or (3) maintaining the existing campus at its current size and population.

Thank you for your consideration.

Sincerely,

Terry Layton

TERRY LAYTON
4001 STANSBURY AVE
SHERMAN OAKS CA 91423

January 31, 2005

Jimmy C. Liao, City Planner
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

RECEIVED
CITY OF LOS ANGELES
FEB 03 2005
ENVIRONMENTAL
UNIT

RE: The Buckley School Expansion Plan

Dear Mr. Liao and Members of City Planning:

The Buckley campus is already a very dominant presence in the small canyon it occupies. To hear that campus administrators want to expand by over 50% the square footage of its buildings, add students, and add five major outdoor sports facilities (four new paved tennis courts and a competition-size outdoor swimming pool) is very bad news to residents of all neighboring streets. As many as ***ten years of construction*** (according to their own report) and ***increased noise and traffic every day thereafter – for decades to come – from constant use of the school's facilities*** will strongly and negatively affect nearby residents if this expansion is allowed to proceed. This can remain a unique, fairly "green" neighborhood, surrounded by the Santa Monica Mountains National Recreation Area and quite special in the Los Angeles area, if the school's size is capped where it is. If Buckley expands at this scale, though, that will surely be lost. Buckley is already larger and with more students than its permits allow. Bigger is not better, especially for a private school. Why should the entire neighborhood suffer markedly, with significantly reduced property values and diminished quality of life for hundreds of families (who will experience more noise, look down over far more buildings and pavement on the campus, witness more traffic and daily use of facilities, breathe in more pollution, and enjoy less wildlife) just because the school wants to expand? If they must, let Buckley buy property in the nearby flats, where there are many existing buildings it could convert for its expansion.

The City's request for comments says little about the notable expansion of **outdoor** facilities in the plan, including many new built, paved areas (pool, tennis courts). Many neighbors strongly object to these new facilities. Why might this small school be allowed to build a competition-size outdoor swimming pool that will be noisy and will cut into the slope of Fossil Ridge and possibly undermine that slope? And four new full-sized paved tennis courts? This is a major increase in paved-over area in the southern tract of the school's land. Rain absorption will decline, heat will increase. Moreover, the land where the pool is situated on the plans is SMM Conservancy land and should not be built on at all. The school built a basketball court there in the past, but this corner of the property should rightfully be restored to its natural condition.

Also, irreplaceable fossils could be destroyed by new construction since the pool will have a much wider footprint than the court that is there now. Destabilization of that slope is almost inevitable. It could be rather catastrophic. We should keep in mind the torrential rains of recent weeks and the many landslides, large and small, that occurred in this canyon.

Moreover, neighbors will have to listen to screaming kids in the pool day in and day out... I was also told that they are considering opening the pool to the public on weekends, which would add thousands more hours of noisy din in the neighborhood. This is outrageous. City officials should be made aware that sound is highly magnified in this canyon... hundreds of households to the immediate west, south, and north are already plagued most weekdays by incessant screams and shouts from the Buckley playing fields. Sound carries up the slopes so easily that those of us at the greatest distance (Beverly Ridge) can often hear individual conversations. It must be cacophonous at the households on the lower streets. And to add to this noise with an outdoor pool and four tennis courts?? And bringing in the public to use them?? We all have a right to some peace and quiet. We did not buy our homes next to a huge recreation center. There is no commercial business in this entire canyon; it is all residential other than Buckley.

Finally, Buckley claims in its newsletters and brochure to have consulted widely with neighbors (implying they have our approval) and to be concerned about being sensitive to neighborhood concerns. I have seen lip service only ... they completely ignored written requests for some simple information last year. Those in the canyon who have become aware of the project's scope are heavily opposed.

This project should be evaluated very critically. Their project justification is weak, and the damage to the quality of life and the environment in this part of Los Angeles will be significant. Stop this huge expansion! If it cannot be stopped, cut its size dramatically, reduce the construction period from an oppressive ten years to one or two at the most, avoid any construction on the base of Fossil Ridge, and relocate and enclose the pool to reduce noise. Small, residential, non-commercial neighborhoods in L.A. need less pollution, traffic, and noise, not more!!!!

Sincerely,

J. E. Arnold
3724 Beverly Ridge Dr.
Sherman Oaks, CA 91423

STATE OF CALIFORNIA Arnold Schwarzenegger, Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-4082
(916) 657-5390 - Fax

February 8, 2005

Jimmy Liao
Los Angeles City Planning Department
200 No. Spring Street, Room 750
Los Angeles, CA 90012

RE: SCH# 2005011055 – Buckley School Campus Enhancement Plan; ENV-2004-7171 EIR, Los Angeles County

Dear Mr. Liao:

The Native American Heritage Commission has reviewed the Notice of Preparation (NOP) regarding the above referenced project. The California Environmental Quality Act (CEQA) states that any project that causes a substantial adverse change in the significance of an historical resource, which includes archeological resources, is a significant effect requiring the preparation of an EIR (CEQA guidelines 15064(b)). To adequately comply with this provision and mitigate project-related impacts on archaeological resources, the Commission recommends the following actions be required:

- ✓ Contact the appropriate Information Center for a record search to determine:
  - If a part or all of the area of project effect (APE) has been previously surveyed for cultural resources.
  - If any known cultural resources have already been recorded on or adjacent to the APE.
  - If the probability is low, moderate, or high that cultural resources are located in the APE.
  - If a survey is required to determine whether previously unrecorded cultural resources are present.
- ✓ If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
  - The final report containing site forms, site significance, and mitigation measurers should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for pubic disclosure.
  - The final written report should be submitted within 3 months after work has been completed to the appropriate regional archaeological Information Center.
- ✓ Contact the Native American Heritage Commission for:
  - A Sacred Lands File Check.
  - A list of appropriate Native American Contacts for consultation concerning the project site and to assist in the mitigation measures. **Native American Contact List Attached**
- ✓ Lack of surface evidence of archeological resources does not preclude their subsurface existence.
  - Lead agencies should include in their mitigation plan provisions for the identification and evaluation of accidentally discovered archeological resources, per California Environmental Quality Act (CEQA) §15064.5(f). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American, with knowledge in cultural resources, should monitor all ground-disturbing activities.
  - Lead agencies should include in their mitigation plan provisions for the disposition of recovered artifacts, in consultation with culturally affiliated Native Americans.
  - Lead agencies should include provisions for discovery of Native American human remains in their mitigation plan. Health and Safety Code §7050.5, CEQA §15064.5(e), and Public Resources Code §5097.98 mandates the process to be followed in the event of an accidental discovery of any human remains in a location other than a dedicated cemetery.

Sincerely,

Rob Wood
Environmental Specialist III
(916) 653-4040

CC: State Clearinghouse

Native American Contacts
Los Angeles County
February 8, 2005

Samuel H. Dunlap
P.O. Box 1391
Temecula , CA 92593
(909) 262-9351 (Cell)
(909) 693-9196 FAX
Gabrielino
Cahuilla
Luiseno

Craig Torres
713 E. Bishop
Santa Ana , CA 92701
(714) 542-6678
Gabrielino Tongva

LA City/County Native American Indian Comm
Ron Andrade, Director
3175 West 6th Street, Rm. 403
Los Angeles , CA 90020
(213) 351-5308
(213) 386-3995 FAX

Coastal Gabrieleno Diegueno
Jim Velasques
5776 42nd Street
Riverside , CA 92509
(909) 784-6660
Gabrielino
Kumeyaay

Ti'At Society
Cindi Alvitre
6602 Zelzah Avenue
Reseda , CA 91335
(714) 504-2468 Cell
Gabrielino

Gabrielino/Tongva Council / Gabrielino Tongva Nation
501 Santa Monica Blvd., Suite 500
Santa Monica 90401-2415
, CA
(310) 587-2203
(310) 587-2281 Fax
Gabrielino Tongva

Tongva Ancestral Territorial Tribal Nation
John Tommy Rosas, Tribal Administrator
4712 Admiralty Way, Suite 172
Marina Del Rey , CA 90202
310-570-6567
Gabrielino Tongva

Gabrielino Band of Mission Indians of CA
Ms. Susan Frank
PO Box 3021
Beaumont , CA 92223
(909) 647-0094: Phone/FAX
Gabrielino

Gabrieleno/Tongva Tribal Council
Anthony Morales, Chairperson
PO Box 693
San Gabriel , CA 91778
(626) 286-1632
(626) 286-1262 Fax
(626) 286-1758 (Home)
Gabrielino Tongva

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Tribal Chair/Cultural Resources
5450 Slauson, Ave, Suite 151 PMB
Culver City , CA 90230
gtongva@earthlink.net
562-761-6417 - voice
562-920-9449 - fax
Gabrielino Tongva

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed SCH# 2005011055 - Buckley School Campus Enhancement Plan; ENV-2004-7171 EIR; Los Angeles County.

Native American Contacts
Los Angeles County
February 8, 2005

Gabrielino Tongva Indians of California Tribal Council
Mercedes Dorame, Tribal Administrator
20990 Las Flores Mesa Drive Gabrielino Tongva
Malibu , CA 90202
Pluto05@hotmail.com

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment forthe proposed SCH# 2005011055 - Buckley School Campus Enhancement Plan; ENV-2004-7171 EIR; Los Angeles County.

SOUTHERN CALIFORNIA
ASSOCIATION of GOVERNMENTS

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12th Floor
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90017-3435

t (213) 236-1800
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www.scag.ca.gov

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Imperial County: Victor Carrillo, Imperial County, Jo Shields, Brawley

Los Angeles County: Yvonne Brathwaite Burke, Los Angeles County • Zev Yaroslavsky, Los Angeles County • Jim Aldinger, Manhattan Beach • Harry Baldwin, San Gabriel • Paul Bowlen, Cerritos • Tony Cardenas, Los Angeles • Margaret Clark, Rosemead • Gene Daniels, Paramount • Mike Dispenza, Palmdale • Judy Dunlap, Inglewood • Rae Gabelich, Long Beach • Eric Garcetti, Los Angeles • Wendy Greuel, Los Angeles • Frank Gurulé, Cudahy • James Hahn, Los Angeles • Janice Hahn, Los Angeles • Isadore Hall, Compton • Tom LaBonge, Los Angeles • Martin Ludlow, Los Angeles • Llewellyn Miller, Claremont • Cindy Miscikowski, Los Angeles • Paul Nowatka, Torrance • Pam O'Connor, Santa Monica • Alex Padilla, Los Angeles • Bernard Parks, Los Angeles • Jan Perry, Los Angeles • Beatrice Proo, Pico Rivera • Ed Reyes, Los Angeles • Greig Smith, Los Angeles • Dick Stanford, Azusa • Tom Sykes, Walnut • Paul Talbot, Alhambra • Sidney Tyler, Pasadena • Tonia Reyes Uranga, Long Beach • Antonio Villaraigosa, Los Angeles • Dennis Washburn, Calabasas • Jack Weiss, Los Angeles • Bob Yousefian, Glendale • Dennis Zine, Los Angeles

Orange County: Chris Norby, Orange County • John Beauman, Brea • Lou Bone, Tustin • Art Brown, Buena Park • Richard Chavez, Anaheim • Debbie Cook, Huntington Beach • Cathryn DeYoung, Laguna Niguel • Richard Dixon, Lake Forest • Marilyn Poe, Los Alamitos • Tod Ridgeway, Newport Beach

Riverside County: Jeff Stone, Riverside County • Thomas Buckley, Lake Elsinore • Bonnie Flickinger, Moreno Valley • Ron Loveridge, Riverside • Greg Pettis, Cathedral City • Ron Roberts, Temecula

San Bernardino County: Gary Ovitt, San Bernardino County • Bill Alexander, Rancho Cucamonga • Lawrence Dale, Barstow • Lee Ann Garcia, Grand Terrace • Susan Longville, San Bernardino • Deborah Robertson, Rialto

Ventura County: Judy Mikels, Ventura County • Glen Becerra, Simi Valley • Carl Morehouse, San Buenaventura • Toni Young, Port Hueneme

Orange County Transportation Authority: Vacant

Riverside County Transportation Commission: Robin Lowe, Hemet

Ventura County Transportation Commission: Keith Millhouse, Moorpark

Printed on Recycled Paper 559-2/1/05

February 7, 2005

RECEIVED
CITY OF LOS ANGELES
FEB 08 2005
ENVIRONMENTAL UNIT

Mr. Jimmy C. Liao, City Planner
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

RE: SCAG Clearinghouse No. I20050022 The Buckley School Enhancement Plan

Dear Mr. Liao:

Thank you for submitting the **Buckley School Enhancement Plan** for review and comment. As areawide clearinghouse for regionally significant projects, SCAG reviews the consistency of local plans, projects and programs with regional plans. This activity is based on SCAG's responsibilities as a regional planning organization pursuant to state and federal laws and regulations. Guidance provided by these reviews is intended to assist local agencies and project sponsors to take actions that contribute to the attainment of regional goals and policies.

We have reviewed the **Buckley School Enhancement Plan**, and have determined that the proposed Project is not regionally significant per SCAG Intergovernmental Review (IGR) Criteria and California Environmental Quality Act (CEQA) Guidelines (Section 15206). Therefore, the proposed Project does not warrant comments at this time. Should there be a change in the scope of the proposed Project, we would appreciate the opportunity to review and comment at that time.

A description of the proposed Project was published in SCAG's **January 1-15, 2005** Intergovernmental Review Clearinghouse Report for public for review and comment.

The project title and SCAG Clearinghouse number should be used in all correspondence with SCAG concerning this Project. Correspondence should be sent to the attention of the Clearinghouse Coordinator. If you have any questions, please contact me at (213) 236-1867. Thank you.

Sincerely,

MARK BUTALA
Senior Regional Planner
Intergovernmental Review



February 7th, 2005

Mr. Jimmy Chieh-Min Liao
City Planner / EIR Unit Head
Department of City Planning
200 N. Spring Street
City Hall, Room 750
Los Angeles, CA 90012

RECEIVED
CITY OF LOS ANGELES
FEB 08 2005
ENVIRONMENTAL
UNIT

Re: The Buckley School (ENV-2004-7171 EIR)
Scoping Session (01/25/05)

Dear Mr. Liao:

As a resident at 4055 Stansbury Ave., I am directly impacted by The Buckley School and I am deeply concerned about its application to significantly expand the campus.

The environmental issues that demand review in the Environmental Impact Report include but are not limited to the following:

1. Traffic on neighboring streets
2. Noise (during construction and after)
3. Erosion of adjacent hillside
4. On-site Oak tree removal
5. Haul-route (export of 51,000+/- cubic yards of dirt)
6. Building height—view from adjoining single-family homes
7. Air pollution from proposed 100,000+/- sf semi-subterranean parking structure
8. Grading of hillside adjacent to single-family homes
9. Emission of friable asbestos during demolition
10. Hydrology (excavation in near proximity to sub-surface water streams)
11. Paleontological resources (excavation/grading adjacent to Fossil Ridge State Park)

The Buckley School is one of only a small handful of K-12 independent schools in the City of Los Angeles located on just one campus. Buckley is likely the only single-campus school situated at the terminus of a street zoned exclusively for single-family homes (RE-15). Accordingly, I strongly urge the Environmental Review Section to consider alternatives to Buckley's proposed expansion. Said alternatives include; (1) "splitting" the campus to two locations in lieu of expanding their existing location, (2) "shuttling" students and staff from an off-site location in lieu of the proposed parking structure, and/or (3) maintaining the existing campus at its current size and population.

Thank you for your consideration.

Sincerely,

Steven & Kelly Weiss

STEVEN D. WEISS
4055 Stansbury Avenue
Sherman Oaks, CA 91423

State of California – The Resources Agency
ARNOLD SCHWARZENEGGER, *Governor*

DEPARTMENT OF FISH AND GAME
http://www.dfg.ca.gov
4949 Viewridge Avenue
San Diego, CA 92123
(858) 467-4201

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February 7, 2005

Mr. Jimmy Liao
Los Angeles City Planning Department
200 No. Spring Street, Room 750
Los Angeles, CA 90012

Notice of Preparation for an Environmental Impact Report for Buckley School Campus Enhancement Plan SCH# 2005011055, Los Angeles County

Dear Mr. Liao:

The Department of Fish and Game (Department) appreciates this opportunity to comment on the above-referenced project, relative to impacts to biological resources. The proposed project involves the enhancement of the existing Buckley School Campus located at Ventura Boulevard and Beverly Glen Boulevard in the City of Los Angeles.

To enable Department staff to adequately review and comment on the proposed project we recommend the following information, where applicable, be included in the Draft Environmental Impact Report:

1. A complete, recent assessment of flora and fauna within and adjacent to the project area, with particular emphasis upon identifying endangered, threatened, and locally unique species and sensitive habitats.

   a. A thorough recent assessment of rare plants and rare natural communities, following the Department's Guidelines for Assessing Impacts to Rare Plants and Rare Natural Communities (Attachment 1).

   b. A complete, recent assessment of sensitive fish, wildlife, reptile, and amphibian species. Seasonal variations in use of the project area should also be addressed. Recent, focused, species-specific surveys, conducted at the appropriate time of year and time of day when the sensitive species are active or otherwise identifiable, are required. Acceptable species-specific survey procedures should be developed in consultation with the Department and U.S. Fish and Wildlife Service.

   c. Rare, threatened, and endangered species to be addressed should include all those which meet the California Environmental Quality Act (CEQA) definition (see CEQA Guidelines, Section 15380).

   d. The Department's California Natural Diversity Data Base in Sacramento should be contacted at (916) 327-5960 to obtain current information on any previously reported sensitive species and habitats, including Significant Natural Areas identified under Chapter 12 of the Fish and Game Code. Also, any Significant Ecological Areas

(SEAs) or Environmentally Sensitive Habitats (ESHs) or any areas that are considered sensitive by the local jurisdiction that are located in or adjacent to the project area must be addressed.

2. A thorough discussion of direct, indirect, and cumulative impacts expected to adversely affect biological resources, with specific measures to offset such impacts. This discussion should focus on maximizing avoidance, and minimizing impacts.

   a. CEQA Guidelines, Section 15125(a), direct that knowledge of the regional setting is critical to an assessment of environmental impacts and that special emphasis should be placed on resources that are rare or unique to the region.

   b. Project impacts should also be analyzed relative to their effects on off-site habitats and populations. Specifically, this should include nearby public lands, open space, adjacent natural habitats, and riparian ecosystems. Impacts to and maintenance of wildlife corridor/movement areas, including access to undisturbed habitat in adjacent areas, should be fully evaluated and provided. The analysis should also include a discussion of the potential for impacts resulting from such effects as increased vehicle traffic and outdoor artificial lighting.

   c. A cumulative effects analysis should be developed as described under CEQA Guidelines, Section 15130. General and specific plans, as well as past, present, and anticipated future projects, should be analyzed relative to their impacts on similar plant communities and wildlife habitats.

   d. Impacts to migratory wildlife affected by the project should be fully evaluated. This can include such elements as migratory butterfly roost sites and neo-tropical bird and waterfowl stop-over and staging sites. All migratory nongame native bird species are protected by international treaty under the Federal Migratory Bird Treaty Act (MBTA) of 1918 (50 C.F.R. Section 10.13). Sections 3503, 3503.5 and 3513 of the California Fish and Game Code prohibit take of birds and their active nests, including raptors and other migratory nongame birds as listed under the MBTA.

   e. Impacts to all habitats from City or County required Fuel Modification Zones (FMZ). Areas slated as mitigation for loss of habitat shall not occur within the FMZ.

   f. Proposed project activities (including disturbances to vegetation) should take place outside of the breeding bird season (February 1- September 15) to avoid take (including disturbances which would cause abandonment of active nests containing eggs and/or young). If project activities cannot avoid the breeding bird season, nest surveys should be conducted and active nests should be avoided and provided with a minimum buffer as determined by a biological monitor (the Department recommends a minimum 500-foot buffer for all active raptor nests).

3. A range of alternatives should be analyzed to ensure that alternatives to the proposed project are fully considered and evaluated. A range of alternatives which avoid or otherwise minimize impacts to sensitive biological resources including wetlands/riparian habitats, alluvial scrub, coastal sage scrub, native woodlands, etc. should be included. Specific alternative locations should also be evaluated in areas with lower resource sensitivity where appropriate.

   a. Mitigation measures for project impacts to sensitive plants, animals, and habitats should emphasize evaluation and selection of alternatives which avoid or otherwise minimize project impacts. Compensation for unavoidable impacts through acquisition

and protection of high quality habitat elsewhere should be addressed.

b. The Department considers Rare Natural Communities as threatened habitats having both regional and local significance. Thus, these communities should be fully avoided and otherwise protected from project-related impacts (Attachment 2).

c. The Department generally does not support the use of relocation, salvage, and/or transplantation as mitigation for impacts to rare, threatened, or endangered species. Department studies have shown that these efforts are experimental in nature and largely unsuccessful.

4. A California Endangered Species Act (CESA) Permit must be obtained, if the project has the potential to result in "take" of species of plants or animals listed under CESA, either during construction or over the life of the project. CESA Permits are issued to conserve, protect, enhance, and restore State-listed threatened or endangered species and their habitats. Early consultation is encouraged, as significant modification to the proposed project and mitigation measures may be required in order to obtain a CESA Permit. Revisions to the Fish and Game Code, effective January 1998, require that the Department issue a separate CEQA document for the issuance of a CESA permit unless the project CEQA document addresses all project impacts to listed species and specifies a mitigation monitoring and reporting program that will meet the requirements of a CESA permit. For these reasons, the following information is requested:

a. Biological mitigation monitoring and reporting proposals should be of sufficient detail and resolution to satisfy the requirements for a CESA Permit.

b. A Department-approved Mitigation Agreement and Mitigation Plan are required for plants listed as rare under the Native Plant Protection Act.

5. The Department opposes the elimination of watercourses and/or their channelization or conversion to subsurface drains. All wetlands and watercourses, whether intermittent, ephemeral, or perennial, must be retained and provided with substantial setbacks which preserve the riparian and aquatic habitat values and maintain their value to on-site and off-site wildlife populations.

a. The Department requires a Streambed Alteration Agreement (SAA), pursuant to Section 1600 et seq. of the Fish and Game Code, with the applicant prior to any direct or indirect impact to a lake or stream bed, bank or channel or associated riparian resources. The Department's issuance of a SAA may be a project that is subject to CEQA. To facilitate our issuance of the Agreement when CEQA applies, the Department as a responsible agency under CEQA may consider the local jurisdiction's (lead agency) document for the project. To minimize additional requirements by the Department under CEQA the document should fully identify the potential impacts to the lake, stream or riparian resources and provide adequate avoidance, mitigation, monitoring and reporting commitments for issuance of the Agreement. Early consultation is recommended, since modification of the proposed project may be required to avoid or reduce impacts to fish and wildlife resources.

The Department suggests a pre-project or early consultation planning meeting for all projects. To make an appointment, please call Scott Harris, Wildlife Biologist, at (626) 797-3170. Thank you for this opportunity to provide comment.

Sincerely,

Morgan Wehtje
Environmental Scientist IV

Attachments

cc: Mr. Scott Harris
Department of Fish & Game

Dept. of Fish & Game
1508 N. Harding ave
Pasadena, CA 91104

Mr. Scott Morgan
State Clearinghouse

HCP-Chron
Department of Fish and Game

SPH:sph

ATTACHMENT 1

State of California
THE RESOURCES AGENCY
Department of Fish and Game
May 4, 1984

GUIDELINES FOR ASSESSING THE EFFECTS OF PROPOSED DEVELOPMENTS ON RARE AND ENDANGERED PLANTS AND PLANT COMMUNITIES

The following recommendations are intended to help those who prepare and review environmental documents determine when a botanical survey is needed, who should be considered qualified to conduct such surveys, how field surveys should be conducted and what information should be contained in the survey report.

I. Botanical surveys that are conducted to determine the environmental effects of a proposed development should be directed to all rare and endangered plants and plant communities. Rare and endangered plants are not necessarily limited to those species which have been "listed" by state and federal agencies but should include any species that, based on all available data, can be shown to be rare and/or endangered under the following definitions:

A species, subspecies or variety of plant is "endangered" when the prospects of its survival and reproduction are in immediate jeopardy form one or more causes, including loss of habitat, change in habitat, over-exploitation, predation, competition or disease. A plant is "rare" when, although not presently threatened with extinction, the species, subspecies or variety is found in such small numbers throughout its range that it may be endangered if its environment worsens.

Rare plant communities are those communities that are of highly limited distribution. These communities may or may not contain rare or endangered species. The most current version of the California Natural Diversity Data Base's Outline of Terrestrial Communities in California may be used as a guide to the names of communities.

It is appropriate to conduct a botanical field survey to determine if, or the extent that, rare plants will be affected by a proposed project when:

a. Based on an initial biological assessment, it appears that the project may damage potential rare plant habitat;

b. Rare plants have historically been identified on the project site, but adequate information of impact assessment is lacking; or

c. No initial biological assessment has been conducted and it is unknown whether or not rare plants or their habitat exist on the site.

Botanical consultants should be selected on the basis of possession of the following qualifications (in order of importance):

a. Experience as a botanical field investigator with experience in field sampling design and field methods;

b. Taxonomic experience and a knowledge of plant ecology;

c. Familiarity with the plants of the area, including rare species; and

d. Familiarity with the appropriate state and federal statutes related to rare plants and plant collecting.

Field surveys should be conducted in a manner that will locate any rare or endangered species that may be present. Specifically, rare or endangered plant surveys should be:

a. Conducted at the proper time of year when rare or endangered species are both "evident" and identifiable. Field surveys should be scheduled (1) to coincide with known flowering periods, and/or (2) during periods of

phenological development that are necessary to identify the plant species of concern.

b. Floristic in nature. "Predictive surveys" (which predict the occurrence of rare species based on the occurrence of habitat or other physical features rather than actual field inspection) should be reserved for ecological studies, not for impact assessment. Every species noted in the field should be identified to the extent necessary to determine whether it is rare or endangered.

c. Conducted in a manner that is consistent with conservation ethics. Collection of rare or suspected rare species (voucher specimens) should be made only when such actions would not jeopardize the continued existence of the population and in accordance with applicable state and federal permit regulations. Voucher specimens should be deposited at recognized public herbaria for future reference. Photography should be used to document plant identification and habitat whenever possible, but especially when the population cannot withstand collection of voucher specimens.

d. Conducted using systematic field techniques in all habitats of the site to ensure a reasonably thorough coverage of potential impact areas.

e. Well documented. When a rare or endangered plant (or rare plant community) is located, a California Native Species (or Community) Field Survey Form or equivalent written form should be completed and submitted to the Natural Diversity Data Base.

5. Reports of botanical field surveys should be included in or with environmental assessments, negative declarations, EIR's and EIS's, should contain the following information:

a. Project description, including a detailed map of the project location and study area.

b. A written description of biological setting referencing the community nomenclature used and a vegetation map.

c. Detailed description of survey methodology.

d. Dates of field surveys.

e. Results of survey (including detailed maps).

f. An assessment of potential impacts.

g. Discussion of the importance of rare plant populations with consideration of nearby populations and total species distribution.

h. Recommended mitigation measures to reduce or avoid impacts.

i. List of all species identified.

j. Copies of all California Native Species Field Survey Forms or Natural Community Field Survey Forms.

k. Name of field investigator(s).

l. References cited, persons contacted, herbaria visited, and disposition of voucher specimens.

ATTACHMENT 2

Sensitivity of Top Priority Rare Natural Communities in Southern California*

*Sensitivity rankings are determined by the Department of Fish and Game, California Natural Diversity Data Base and based on either number of known occurrences (locations) and/or amount of habitat remaining (acreage). The three rankings used for these top priority rare natural communities are as follows:

S1.- Less than 6 known locations and/or on less than 2,000 acres of habitat remaining

S2.- Occurs in 6-20 known locations and/or 2,000-10,000 acres of habitat remaining

S3.- Occurs in 21-100 known locations and/or 10,000-50,000 acres of habitat remaining

The number to the right of the decimal point after the ranking refers to the degree of threat posed to that natural community regardless of the ranking. For example:

S1.1 = very threatened
S2.2 = threatened
S3.3 = no current threats known

Sensitivity Rankings (February 1992)

Rank	Community Name	
S1.1	Mojave Riparian Forest	Southern Dune Scrub
	Sonoran Cottonwood Willow Riparian	Southern Coastal Bluff Scrub
	Mesquite Bosque	Maritime Succulent Scrub
	Elephant Tree Woodland	Riversidean Alluvial Fan Sage Scrub
	Crucifixion Thorn Woodland	Southern Maritime Chaparral
	Allthorn Woodland	Valley Needlegrass Grassland
	Arizonan Woodland	Great Basin Grassland
	Southern California Walnut Forest	Mojave Desert Grassland
	Mainland Cherry Forest	Pebble Plains
	Southern Bishop Pine Forest	Southern Sedge Bog
	Torrey Pine Forest	Cismontane Alkali Marsh
	Desert Mountain White Fir Forest	

Sensitivity Rankings (Cont.)

Community Name

1.2
- Southern Foredunes
- Mono Pumice Flat
- Southern Interior Basalt Fl. Vernal Pool

2.1
- Venturan Coastal Sage Scrub
- Diegan Coastal Sage Scrub
- Riversidean Upland Coastal Sage Scrub
- Riversidean Desert Sage Scrub
- Sagebrush Steppe
- Desert Sink Scrub
- Mafic Southern Mixed Chaparrel
- San Diego Mesa Hardpan Vernal P.
- San Diego Mesa Claypan Vernal P.
- Alkali Meadow
- Southern Coastal Salt Marsh
- Coastal Brackish Marsh
- Transmontane Alkali Marsh
- Coastal and Valley Freshwater Marsh
- S. Arroya Willow Riparian Forest
- Southern Willow Scrub
- Modoc-G.Bas. Cottonwood Willow Rip.
- Modoc-Great Basin Riparian Scrub
- Mojave Desert Wash Scrub
- Engelmann Oak Woodland
- Open Engelmann Oak Woodland
- Closed Engelmann Oak Woodland
- Island Oak Woodland
- California Walnut Woodland
- Island Ironwood Forest
- Island Cherry Forest
- S. Interior Cypress Forest
- Bigcone Spruce-Canyon Oak Forest

2.2
- Active Coastal Dunes
- Active Desert Dunes
- Stab. and Part. Stab. Desert Dunes
- Stab. and Part. Stab. Desert Sandfield
- Mojave Mixed Steppe
- Transmontane Freshwater Marsh
- Coulter Pine Forest
- S. California Fellfield
- White Mountains Fellfield

2.3
- Bristlecone Pine Forest
- Limber Pine Forest

ARASH & LISA HOMAMPOUR
4153 STANSBURY AVENUE
SHERMAN OAKS, CA 91423
PHONE (818) 907-6901
FAX (818) 907-0921

RECEIVED
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February 8, 2005

Mr. Jimmy Chieh-Min Liao
City Planner / EIR Unit Head
Department of City Planning
200 N. Spring Street
City Hall, Rom 750
Los Angeles, CA 90012

Re: The Buckley School (ENV-2004-7171 EIR)
Scoping Session (01/25/05)

Dear Mr. Liao:

I previously sent a letter to both the City and Buckley asking for them to take action to fix the dangerous condition that is Stansbury Avenue south of Buckley. As a result of the lack of sidewalks on Stansbury, the high volume of vehicular traffic created by Buckley, the excessive speeding by Buckley parents, Buckley students and other drivers, and Buckley's lack of any traffic calming measures, Stansbury Avenue is a "dangerous condition" of public property. I requested that speed bumps or sidewalks be installed. While I did get an indirect response from Mayor Hahn, no action has been taken. The Buckley School ignored my letter.

Now The Buckley School wants to expand through a long term construction project that will make Stansbury Avenue even more dangerous with construction vehicles and personnel traveling back and forth to the School.

As a resident, parent and human being who is directly impacted by The Buckley School, I am deeply concerned about its application to significantly expand the campus.

The environmental issues that demand review in the Environmental Impact Report include but are not limited to the following:

1. Traffic on neighboring streets

2. Noise (during construction and after)

3. Erosion of adjacent hillside

4. On-site Oak tree removal

5. Haul-route (export of 51,000+/- cubic yards of dirt)

6. Building height-view from adjoining single-family homes

7. Air pollution from proposed 100,000+/- sf semi-subterranean parking structure

8. Grading of hillside adjacent to single-family homes

9. Emission of friable asbestos during demolition

10. Hydrology (excavation in near proximity to sub-surface water streams)

11. Paleontological resources (excavation/grading adjacent to Fossil Ridge State Park)

The Buckley School is one of only a small handful of K-12 independent schools in the City of Los Angeles located on just one campus. Buckley is likely the only single-campus school situated at the terminus of a street zoned exclusively for single-family homes (RE-15). Accordingly, I strongly urge the Environmental Review Section to consider alternatives to Buckley's proposed expansion. Said alternatives include; (1) "splitting" the campus to two locations in lieu of expanding their existing location, (2) "shuttling" students and staff from an off-site location in lieu of the proposed parking structure, and/or (3) maintaining the existing campus at its current size and population.

Thank you for your consideration.

Sincerely,

Arash Homampour

GERALD F. CRUMP
GLENDA G. CRUMP
4020 CAMINO DE LA CUMBRE
SHERMAN OAKS, CA 91423

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February 10, 2005

Mr. Jimmy C. Liao
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

RE: The Buckley School (ENV-2004-7171 EIR)
Scoping Session (1-25-05)

Dear Mr. Liao:

As residents of Camino de la Cumbre south of Valley Vista Boulevard, we are directly impacted by the Buckley School operations in our neighborhood, and while we understand the school's need to modernize its facilities, its current plan goes far beyond upgrading aging classrooms and greening the campus.

We are just as concerned as our neighbors are about the traffic, noise, pollution and other environmental problems that this building plan will cause and join with their concerns on those grounds.

The school is also asking for an enrollment increase in its new CUP. If past history is any guide, Buckley will be unable to successfully enforce whatever rules it sets for its parents and students to control traffic congestion on neighboring streets. Any permitted increase in the number of students should be conditioned on strict compliance with new traffic mitigation conditions and effective sanctions for violations of these conditions.

The specific issue we want to raise for your analysis is the effect of the potential loss of lateral support to the adjacent hillside from the massive construction of the semi-subterranean garage.

The hillside above and below Camino de la Cumbre on the west side of the campus is notorious as a severe landslide area from Valley Vista on the north to Coy Drive and Beverly Glen Blvd. on the south.

In 1963, two homes had to be abandoned and a child was killed from a major slide. In 1968, the house in which we now live and those of neighbors on both sides were inundated by a widespread mud slide from the hill across the street. In 1978 our next door neighbor's house was seriously damaged by a landslide. In 1980 a massive no-warning landslide which could have killed or seriously injured anyone in the way broke

through the wall of our bedroom and filled the room with mud. During the 1994 Northridge earthquake several houses on Beverly Ridge Drive were destroyed by slippage. And just one month ago a massive slide from below Beverly Ridge closed Camino de la Cumbre at Buckley's back gate. Even below our houses there has been substantial slippage, both from gradual erosion and soil "pop-outs."

The reasons for the sliding are complex. They are usually triggered by unusual conditions such as earthquake or heavy rain. However, geologists tell us that this is a natural slide area. In addition the area has been overlain with inadequately compacted fill from past development practices.

The fact remains, however, that the area is prone to periodic landslides and future development such as that proposed on the Buckley campus can not be permitted to exacerbate the landslide potential.

The proposed underground garage is to lie at the very bottom of the canyon at the base of our hillside. Its construction will require the removal of over 50,000 cubic yards of dirt supporting the fragile hillside underlying our home and those of our neighbors. It is hard to imagine that such massive construction can take place without an adverse effect on our hillside.

Surely no such project could be approved without a full environmental impact report to assess the full impact of the proposal and all reasonable alternatives to it.

Very truly yours,

Gerald F. Crump

Glenda G. Crump

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February 9, 2005

Mr. Jimmy Chieh-Min Liao
City Planner - Environmental Review Section
Department of City Planning
200 N. Spring Street Room 750
Los Angeles, California 90012

Dear Mr. Liao,

We have been residents on Camino de la Cumbre for thirty-three years and, therefore, are impacted by the proposal to expand the Buckley School.
Many parts of this proposal concern us involving not only the fragility of our environs, but the difficulty in balancing a quiet neighborhood of single-family homes with a K-12 school. Through the years we have experienced problems with mudslides and water run-off which are evidence of the instability of the hillsides. Grading only exacerbates the problem, not alleviates it as developers have promised.

Particularly problematic from our point of view would be the dramatic increase in traffic to our streets which already experience a high volume daily.
We also are extremely concerned about the proposed underground parking structure as subterranean water may be a factor, further undermining the foundation to any building. We strongly urge you to review alternatives to this ambitious building plan. The streets and surrounding neighborhood were never designed to accomodate a school of this size with its resulting activity and traffic.

Thank you for your attention to this matter.

Sincerely,

Mr. and Mrs. Eugene B. Price

Mr. & Mrs. Eugene B. Price
4010 Camino de la Cumbre
Sherman Oaks, Calif. 91423

4/9/05

To whom it may Concern
-Jimmy C. Liao

We are The Resident of 14242 Valley vista, "Regard to The Proposal of expansion of Buckley school, in Sherman oaks We are 100% opposing to the Proposal, Reason For objections are

1. Enverunmetal issues.

2. negatively impacting The wild life.

3. Noise Factor / Traffic Factor.

4. Removing dirt and dangering The Horses on Hill

Please note That we Live on 14242 Valley vista which is 1/2 Block From Stansbery, And All Above. are of Concern.

Thank you.

Email DELBAR's GROUP @ AOL.COM.

A.E. Hollihan
3375 Camino de la Cumbre
Sherman Oaks, CA 91423
818-789-3103

February 11, 2005

Jimmy C. Liao, City Planner
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

Re: BUCKLEY ENHANCEMENT/EXPANSION

Dear Mr. Liao,

I am writing to express my opinion regarding the above-referenced project: I am completely against any Buckley School expansion of any kind, as described in the January 12, 2005 Notice of Preparation!

In our neighborhood, we have underground springs or rivers underneath our streets. Glorietta Drive has been repaved over the years to try to keep these waters from surfacing, but the water always keeps coming, and the only place it has to go is down into the Fossil Ridge or 'gully', which is right next to the Buckley School. Any proposed excavation by Buckley would spell disaster (sinking/collapsing) for both myself and my neighbors.

In addition, this project would create more traffic and congestion disturbances. Our streets are steep, narrow and windy, which are already overburdened by commuter traffic. Please don't permit the Buckley School to remodel/excavate.

Also, over the years, we have been reassured that the protected areas that surround our neighborhood, such as Fossil Ridge will stay protected, as mandated by state government. Any proposed construction would involve destruction of this protected land. Why have laws in the first place, when they can be easily broken?

Finally, I found the maps and literature provided by the Buckley School to be misleading: what the school really wants is to take over all of the 'gully', not just build taller buildings on their existing property.

Please respect my request to preserve this land!

Sincerely,

A.E. Hollihan

February 9, 2005

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FEB 10 2005
ENVIRONMENTAL
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Mr. Jimmy C. Liao
Dept. of City Planning
200 N. Spring Street
Rm. 750
Los Angeles, CA 90012

Dear Mr. Liao,

I'm a resident living at 4050 Stansbury Avenue just down the street from the Buckley school, and was unable to attend the recent "scoping" session regarding their application to modify their CUP, but have recently studied their literature regarding their expansion plans, and wanted to submit my concerns for your consideration of the pending Environmental Impact Review.

Due to LADOT design, Stansbury Avenue serves as a main artery for all the hillside streets of Sherman Oaks, as well as city-bound traffic heading for Beverly Glen. There already exists a great deal of permitted residential construction in which a large number of oversized trucks carrying building supplies traverse our street. I've personally witnesses numerous occasions where traffic passes these slow-moving trucks during rush hour in both directions. This street does not have city sidewalks nor is there any demarcation as to the single lane for each lane of traffic, and so the perception of a wide street seems to encourage this illegal and highly dangerous practice of speeding up to pass by these construction trucks. My fear is that public safety for any pedestrians, but also for the high number of cars carrying Buckley students and people going to work will be endangered when the amount of slow-moving, oversized trucks increases dramatically to accommodate the thousands of loads these trucks will make during Buckley's construction efforts. The probability, and thus the city's liability, of a dangerous and fatal accident will increase markedly.

Ventura boulevard will also suffer a tremendously negative impact of these cumbersome, slow-moving construction supply trucks attempting to turn Southbound on to Stansbury, or when they attempt to turn eastbound on to Ventura boulevard from Stansbury. The excavation alone will amount to approximately ten thousand trips for a truck carrying ten yards of dirt to city dumps. the magnitude of this amount of construction occurring in a highly trafficked single-family residential neighborhood where the school exists only thru the CONDITIONAL USE permit is ludicrous and unprecedented. We urge you to fully examine the impact this will have on public safety, noise and air pollution, as well as general traffic patterns.

Your EIR should also take into consideration another city created situation, that of extensive permitted (EIDC) filming on the street from 7 am - 10 pm. Again, voluminous amounts of oversized trucks with large amounts of crew people that obstruct views and hinder traffic patterns, often with authorized police officers slowing, stopping, or redirecting traffic onto other smaller ancillary streets. I think it's imperative that your study request from the EIDC the amount of days that filming has occurred on Stansbury over the past 3-5 years, and take that figure into account for how that will negatively interact with Buckley's construction.

Needless to say, any future residents considering to purchase homes on this street would require a disclosure of your published EIR documenting the ultimate plan and impact of Buckley's known long-term construction process. I will forward a copy of this letter to the Southland Regional Association of Realtors (SRAR) for their awareness and input.

Thank you,

Allison Knizek

February 8, 2005

Mr. Jimmy Chieh-Min Liao
City Planner/EIR Unit Head
Department of City Planning
200 North Spring Street
City Hall, Room 750
Los Angeles, CA 90012

RECEIVED
CITY OF LOS ANGELES
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Dear Mr. Liao:

I enjoyed meeting you recently at the open house at the Sherman Oaks Public Library at which time we discussed some of the problems inherent with the proposed expansion of the Buckley School. I am not opposed to the existence of the school as it currently stands, but I have serious concerns about their expansion plans.

My family and I live at 3767 Camino de la Cumbre, across from the Buckley School back gate. The amount of square footage that the school wants to add will have a detrimental effect on the neighborhood in many ways.

The traffic is already bad for a residential neighborhood and I have yet to see any major effort made by the school to reduce trips to the school by parents. While walking up Stansbury Avenue last year, I was almost run over by a Buckley School parent who felt compelled to swerve into the opposing lane of traffic to avoid waiting in line to enter the school. We have suggested for quite a while that they establish offsite parking or drop-off area for students so trips up Stansbury and Camino de la Cumbre would be greatly reduced. This has not been done and they have no current plans to do so. With more students, the car trips will also increase, not to mention the heavy equipment involved in construction for a ten -year period.

The grading of the hillside adjacent to homes is also a concern as it may impact the stability of the existing homes. There is a natural stream running underneath the school and the soil has proved to be unstable as evidenced in the extensive damage the school suffered due to the 1994 earthquake.

When we built our home, we had to pass a stringent review process regarding the height and aesthetics of our project. The proposed Buckley buildings will have direct impact on the views from the Santa Monica Conservancy property and Fossil Ridge, which is one of the last remaining untouched ridges in the area.

The noise and dust of the construction process will be unbearable. In the summer of 2003, the city replaced the sewer pipes that ran through the Buckley School football field and it was a summer of constant noise six days a week, not to mention the dust. The noise reverberated throughout the canyon and the same problem would occur with the proposed Buckley expansion.

Another aspect of the noise is that with the huge Science building at the end of the field, there will be more student noise that will be heard throughout the canyon.

In the past, dust has had adverse effects on people living in the canyon, including myself. I am quite concerned that more health problems will occur with the proposed constant digging and dumping the dirt on the football track as they plan to do. After the earthquake, at least two people in the neighborhood, myself included, contracted Valley Fever from the fine dust that permeated the air. The dust in this area is very fine and I fear that disturbing such a large amount will create another health hazard. Watering down the dust will not contain all of it.

The possible release of friable asbestos during the demolition process is an additional health concern.

There is also another aspect of the noise problem. Last night, February 7, 2005, I heard the sounds of loud voices and a working trash compactor emanating from the Buckley school at MIDNIGHT. I spoke to the head of school about this problem in October, yet it persists. I heard this noise through our double-paned windows. Like any business, the school has to clean up when the workers (or in this case students) have gone home. Apparently the school does not think it is a problem to disturb the neighbors at MIDNIGHT, because they are operating a business and work needs to be done. Unfortunately, it is at the expense of the neighbors' right to quiet, not to mention that it is a direct violation of their current Conditional Use Permit.

Mr. Liao, I am not opposed to the existence of the school or a few minor changes, such as moving the pool outside and remodeling the interior of the buildings. However, I am opposed to allowing a business, for that is what the school is, to expand in a residential neighborhood for their own profit. This school in no way is helping to relieve any overcrowding at Los Angeles public schools; it is a benefit for only the few wealthy children whose parents can afford the steep tuition. The school's founders made specific promises as to the size of the school and amount of students when it was opened and those promises, among others have been broken. Let's keep businesses in Los Angeles where they belong, in neighborhoods zoned for them.

Thank you for taking the time to read this letter and address my concerns.

Sincerely,

Vivian Gumbiner + Herb Perlmutter

Vivian Gumbiner & Herb Perlmutter & family
3767 Camino de la Cumbre
Sherman Oaks, CA 91423

FOX & FOX LAW CORPORATION

James E Fox
Robert M Fox
Of counsel

Citibank Plaza - 15233 Ventura Blvd, Suite 1111 - Sherman Oaks, CA 91403
Tel (818)986-4494 - Fax (818) 788-8369 E-mail: foxbethere@aol.com

2-8-05

RECEIVED
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FEB 11 2005
ENVIRONMENTAL
UNIT

JIMMY LIAO-CITY PLANNER /PROJECT COORDINATOR
CITY OF LOS ANGELES, ENVIRONMENTAL REVIEW UNIT
DEPARTMENT OF CITY PLANNING
200 NO. SPRING ST-ROOM 750
LOS ANGELES, CA 90012

RE: THE BUCKLEY SCHOOL CAMPUS ENHANCEMENT PLAN INCLUDING EXCAVATION FOR SUBTERRANEAN PARKING (AND OTHER ITEMS)-EAF NO: ENV-2004-7171 EIR

DEAR MR. LIAO:

We (Robert M Fox and Isabelle Fox), at 3929 Stansbury Ave., are the next door neighbors to Buckley. We strongly oppose the plan to create a subterranean garage which will require a large (and protracted) excavation. The excavation process itself, involving deep digging and the removal of thousands of tons of soil and other materials, will create a nightmare of environmental dangers that are completely unnecessary. But before discussing these, we call your attention to the fact that there is a far safer method to solve both the Stansbury queuing problem and the parking and traffic problems on the surface streets and on the 18 acre Buckley Campus. The obvious alternative to excavation is to use the surface of this extensive acreage for parking and for queuing. There is ample room on the surface of the campus to accommodate all necessary vehicles. At the present time there is a considerable amount of asphalt parking area-covering only a small percentage of the campus area- and this could be easily augmented to handle many more vehicles. Perhaps a one story parking structure could even be added above ground if Buckley wishes to limit vehicle parking areas. Aside from being a safer environmental approach, elimination of the excavation solution (in favor of the surface parking option) seems like a far less expensive approach to the vehicle problem.

Of course we realize that our surface parking suggestion runs counter to the very attractive green space plan now proposed by Buckley. We assume that is the reason why it has not been seriously considered. And, we have been informed, the environmental plan was prepared by an organization selected by and paid by Buckley, and we would expect them to support their client in this project. Certainly

those of us in the community who will be affected had no voice in choosing the submitting organization, and they would not be expected to be impartial.

On the other hand, we are counting on the planning commission to consider this proposal from the community standpoint, which calls for evaluating the dangers posed by the Buckley request and considering other alternatives that are practical and do not pose serious environmental hazards. After all, what is more important- the creation of more attractive green space and less above ground parking for Buckley, or the (environmental) health of our community? If Buckley were not there today and if this was a brand new application for a new school for 750 students on this 18 acres-at the end of a dead end 35 ft residential street like Stansbury, (and with no other usable exit or entrance) would the Commission even approve such a school location?

We have had preliminary consultation with an environmental expert who will need more information (and possibly access to the Buckley campus), but he did outline some areas that we are sure you will be addressing:

1. What gases will be released during excavation? He listed many possibilities including Radon.
2. What particulate material will be released and over how long a period of time?
3. What underground water is in the area and what problems may be encountered with extensive excavation? (Remember the problems occurring as a result of the Benedict Canyon digging.)
4. What adjacent ground support problems will be created for adjacent properties (ours and others)?
5. What water runoff problems for other property owners will result from alteration of the natural land contours and runoff patterns?
6. Once the underground structure is completed, will this concentrate resultant gasses (by venting) in a limited area posing health hazards?

These are some of the questions raised. When we have obtained more specific information, we will inform the commission. This letter has focused only on the excavation problem. We realize that the commission will be considering many others. We thank you for considering the above.

Robert M Fox and Isabelle Fox

Tel (home) 818.788.8796 Fax 818.788.8369 Email-foxbethere@aol.com

P.S: We oppose <u>any increase</u> in the student body. The present 750 students already impose too great a strain on the cul de sac location of this school at the end of a narrow residential street (Stansbury).

From: <RTRCE@aol.com>
To: <Jliao@planning.lacity.org>
Date: 2/11/2005 4:14:54 PM
Subject: Buckley School Campus Enhancement Plan - Public Comments

Dear Sir:

There are two things that I think are very important to this project.

Because this school "campus" is located in a canyon, accessibility to it is extremly limited. There are only two ways to enter or exist this canyon and they are north on "Camino de la Cumbre" and south on "Coy Dr.". The problem is that "Coy Dr." empties into "Beverly Glen Dr." a very busy primary street. Entering this intersection from Coy Dr. is problematic and dangerous. Some type of traffic control (maybe a "trip signal") should be installed there. The sight distance entering Beverly Glen Blvd. is very limited and the traffic speed is very fast.

Another problem is the three sharp street curves along "Camino de la Cumbre" adjacent to the campus. Because there will be far more traffic in the area, these curves should be flatten as much as possible and improved.

Thank you for the consideration and keep me informed as the project process.

Robert R. Taylor
4525 Whelan Place
Windsor Hills, Calif. 90043
(parcel #275 on E.A.F. map)
rtrce@aol (e-mail)

Geoff Case
3852 Camino de Solana
Sherman Oaks, CA 91423

February 11, 2005

RECEIVED
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FEB 14 2005
ENVIRONMENTAL
UNIT

Mr. Jimmy Liao
Environmental Review Section,
Department of City Planning
200 North Spring Street, Room 750
Los Angeles, CA 90012

Re: The Buckley School (ENV-2004-7171 EIR)

Dear Mr. Liao,

I am writing to you to express to you my strong opposition to the proposed expansion of the Buckley School facilities.

My objections, in brief, are as follows:

1. As I am sure you are aware the current campus consists of approximately 98,000 square feet of structure, which supports a current enrollment of 750 students, and which is more or less shoe-horned into a narrow canyon at the end of a cul-de-sac residential street. The school currently operates under the auspices of a Conditional Use Permit which was put in place to allow the school to exist, but with the understanding that this was the maximum capacity which the neighborhood could safely accommodate for this use. Now the school is proposing to construct a large subterranean parking structure as well as what would be the equivalent (in terms of area) of twenty one new 2500 square foot homes being built on the campus. They are also proposing to be allowed to increase their enrollment by 80 additional students. Of course with additional enrollment comes additional support staff including teachers, administrators, and delivery personnel and additional pick-up and drop-off by parents. It is impossible to justify this increase in traffic given the burden that the surrounding residential streets already carry. One trip to the school on a typical school day morning will convince you of this.

2. Currently Buckley School is made up primarily of a series of low-slung, one story structures which more or less blend well with the scale of the surrounding neighborhood. The proposed plan for development will dramatically increase the mass of buildings on the site and turn what is a relatively residential scale of structure into a facility that has a much larger and more institutional scale – no longer in keeping with its' surroundings.

3. We have been informed by school officials that a seven to ten year long construction time frame should be anticipated. That is to say that, for seven years or more, the small local streets will bear the burden of not only the normal day to day school traffic, but years, repeat, years, of heavy equipment traffic and noise. To say that this will not create havoc in the surrounding neighborhood is ludicrous.

4. Emergency ingress and egress, which may already be a disaster waiting to happen, will only be intensely aggravated by a substantial increase in school size. Try to picture over 800 students trying to exit the school on Stansbury Avenue during a fire or after an earthquake, and emergency vehicles trying to get in.

Mr. Liao, after having lived here since 1980 I have never heard a single neighbor object to the fact that Buckley School exists. Many of us have supported Buckley over the years in a number of ways. My own daughters had a many happy days there, when they were younger, in the Buckley summer program. What we strongly object to is the impact of such a massive development on our neighborhood and quality of life.

I urge you to look at their application with a very critical eye.

Thank you for your consideration to this matter

Sincerely,

Geoff Case

City of Los Angeles

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Scoping Meeting for the Environmental Impact Report
Buckley School Campus Enhancement Plan
January 25, 2005

Written Comment Form

The purpose of the public scoping meeting is to obtain input from the public regarding the scope and the alternatives that will be analyzed in the Draft EIR for the Buckley School Campus Enhancement Plan. The Campus Enhancement Plan includes vehicular circulation and queuing improvements, increased parking within a new semi-subterranean parking facility, the demolition of eleven buildings, construction of seven new/replacement buildings, additions to, and renovation of, two existing buildings, and the renovation of four other buildings. Upon completion, a net addition of approximately 53,750 square feet of building area would be provided, resulting in a total of approximately 152,900 square feet of educational facilities within the project site.

Comments can be provided verbally at the scoping meeting or in written form. The deadline for submitting written comments to the City is February 11, 2005. In the space below (and on additional pages, if necessary), please provide any written comments you may have concerning the scope of the Draft EIR for the proposed project. Your comments will then be considered during preparation of the Draft EIR.

We are residents of Stansbury Ave. and are deeply concerned about several aspects of the proposed renovation + expansion. We already put up with a great deal regarding traffic issues (daily drop-off + pick-up, fairs, graduation etc.). The increased traffic + noise due to a lengthy construction is simply too invasive + unnecessary. The increased pollution and environmental disruption move well beyond the boundaries of Goodwill, and, as evidenced by recent tragedies around L.A. brought on by substantial rains, the manipulation of hillsides could prove quite dangerous and even deadly.

We see no reason why, if Buckley deems it necessary to expand, it can't employ a more sensible and considerate option. Many schools have split their student body amongst two campuses (Harvard-Westlake etc.), and there is no reason why Buckley couldn't do the same. Off-site shuttle service would negate the need for an environmentally irresponsible and risky parking structure.

Please join us in ensuring that this proposed expansion is completely thought out, and that all options are honestly considered, before moving forward with plans that may inflict permanent harm to the environment + community relations.

Name: Bruce Luchsinger + Robyn Holmes
Address: 4063 Stansbury Ave.
Sherman Oaks, CA

Please leave this form in the box provided or deliver or mail it to Mr. Jimmy Liao, City Planner/Project Coordinator, City of Los Angeles, Environmental Review Unit, Department of City Planning, 200 N. Spring Street Room 750, Los Angeles, California 90012. This form can simply be folded and placed in a mailbox. Please remember to add postage.

KRANE & SMITH
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SAMUEL KRANE
MARC SMITH
MARK E. GOODFRIEND
RALPH C. LOEB
ANN PENNERS BERGEN

February 10, 2005

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ENVIRONMENTAL
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Jimmy Chieh-Min Liao
City Planner/EIR Unit Head
DEPARTMENT OF CITY PLANNING
200 North Spring Street
City Hall, Room 750
Los Angeles, CA 90012

Re: The Buckley School (ENV-2004-7171 EIR)
Stansbury Avenue, Sherman Oaks, CA

Dear Mr. Liao:

It was a pleasure meeting you at the scoping session on January 25, 2005.

As you may recall, I reside at 4073 Stansbury Avenue. As I explained to you during the meeting, for the following reasons, I am exceedingly concerned about the Buckley School expansion:

1. The project will significantly increase traffic on Stansbury Avenue;

2. By virtue of the increased traffic, the project will create additional fire and safety concerns. In the event of a fire or medical emergency, it will be difficult for fire, police and other rescue vehicles to get up and down Stansbury during peak traffic hours from 7:30 a.m. through 3:00 p.m. each weekday;

3. During construction -- especially if Buckley is permitted to construct a subterranean garage necessitating the removal of 51,000 cubic yards of dirt -- the traffic jams caused by the dump trucks traveling up and down Stansbury will be significant. By my calculations, if a dump truck can remove 10 cubic yards per load, then it will take 10,200 trips up and down Stansbury to remove the dirt (5,100 loads x 2);

4. The addition of 80 students will result in 160 additional

trips up and down Stansbury which will further exacerbate traffic;

5. Construction, if allowed to proceed for 7 to 9 years, will significantly disrupt the neighborhood by additional dust, noise and traffic;

6. There is a potential for the Buckley expansion to have significant ecological detrimental affects upon the surrounding area;

7. Buckley has repeatedly been in violation of its existing CUP's; and

8. The proposed additions -- especially the subterranean garage -- will have a negative environmental impact on the ground water and local indigenous wildlife.

Should you have any questions, please feel free to contact me.

Very truly yours,

Samuel Krane
for KRANE & SMITH

SK:ieb

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February 9, 2005

Dear Mr. Liao,

Recently, the Buckley School sent a letter to its neighbors here in Sherman Oaks seeking response to its proposed expansion. I responded with approval.

From what I think I now know, I do not approve.

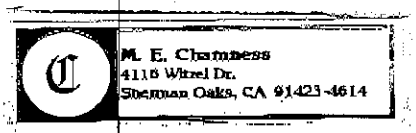
In fact, it appears to me that this fine educational facility has outgrown its place in this community and should be persuaded to move to a more open area for this and future growth.

Thank you for seeking neighborhood opinion.

Sincerely,

M E Chamness

Marguerite E. Chamness
4116 Witzel Drive



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February 10, 2005

Mr. Jimmy Liao,
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

Re: The Buckley School (ENV-2004-7171 EIR)

Dear Mr. Liao,

This letter contains notice of Sherman Oaks Homeowners Association's Buckley School Committee's objections to the proposed expansion of the Buckley School Campus for the reasons set forth below.

Sherman Oaks Homeowners Association is organized pursuant to the general nonprofit corporation law of the State of California. Its' specific purposes are to preserve and protect its members and the Sherman Oaks community's quality of life.

We request that the Environmental Review Section of the Department of City Planning include the environmental issues that are outlined in this letter in their Environmental Impact Report of the proposed Buckley School expansion.

Section 1. Outline of Checklist

A summary of the Environmental Land issues presented in this letter that demand review include, but are not limited to, the following:

1. **Land Use Consistency**
2. **Traffic Impact-on Neighboring Street and Greater Sherman Oaks**
3. **Visual Resources/Aesthetics/Size of Construction /Views /Night Time Illumination**
4. **Grading of Hillsides adjacent to Single-Family Homes**
5. **Noise (During Construction and After)**
6. **Drainage of the Canyon Surrounding Buckley and Hydrology (Excavation in near proximity to sub-surface water streams.)**
7. **On sight Oak Tree Removal**

8. **Building height-view from adjoining single-family homes, Danger of rezoning Buckley to be outside of the Mulholland Corridor.**
9. **Air Pollution from proposed 1000,000 + SF semi-subterranean Parking structure.**
10. **Hazards & Hazardous Materials/Emission of Friable Asbestos During Demolition**
11. **Building Contiguous to Fossil Ridge Park**
12. **Paleontological Resources/Excavation/Grading in General and adjacent to Fossil Ridge State Park**
13. **Geology and soils**
14. **Effect on Wildlife**
15. **Fire and Earthquake Evacuation**
16. **Unsafe Second Egress**
17. **Life Safety**
18. **Haul-Route (Export of 51,000+ Cubic yards of Dirt)**
19. **Quality of Life**
20. **Buckley's Violation of its' current Conditional Use Permit**

Section 2. Specifics of Issues

1. LAND USE CONSISTENCY:

According to the General plan and the Mulholland Scenic Parkway Specific Plan, the proposed Buckley School ("Buckley") expansion conflicts with the General Plan Zoning and Plan Designation as established by the City of Los Angeles. The Buckley proposal also conflicts with applicable environmental plans or policies adopted by agencies with jurisdiction over its' site.

Simply put, Buckley School should not be granted any exceptions to this Specific Plan or any discretionary zone changes. A zone change would result in buildings that would detract from the existing style or image of the area due to an increase in density, height, bulk, and signage (See item #3, Aesthetics, for specifics). Moreover, it would create a dangerous precedent by enabling other projects to receive exceptions to this vital Specific Plan and zone changes along the Mulholland Scenic Parkway.

2. TRAFFIC IMPACT - NEIGHBORING STREETS AND SHERMAN OAKS:

The Sherman Oaks community is currently experiencing a series of major real estate developments each anticipated to contribute a significant share to pre-existing traffic, gridlock, noise, and congestion problems.

We view these projects, including the proposed Buckley School expansion as challenging the right to enjoy a decent quality of life –for our residents and businesses

Regrettably, this is due, to the City of Los Angeles' continuing failure to safeguard Sherman Oaks from the increase, in traffic and congestion.

Therefore, we no longer can view each project separately, i.e., as not having a cumulative impact on the region, when, in fact, the opposite is true.

Although the Buckley School Expansion, with issues particular to its unique physical location, must be considered - so should the cumulative development within the rest of the community.

A Neighborhood Intrusion Impacts

Buckley School is literally just blocks south of the following areas in development including a Best Buy "big box " store (Van Nuys and Milbank); Camino Real (182 Unit with ground floor retail) along with possible concurrent development of vacant land behind Jiffy Lube -- both are located between Hazeltine and Calhoun Avenues, on/off Ventura Boulevard; planned condominium development (98 units) at Sylmar and Moorpark) and approximately 600 residential units/mixed-use developments planned near Sepulveda and Ventura Boulevards.

Buckley School is situated at the southernmost end of Stansbury Avenue between two major access routes to and from the San Fernando Valley - Beverly Glen Canyon and Coldwater Canyon. It is safe to assume that the expansion will contribute greatly to the traffic and gridlock in this already problematic area.

Further, there specific traffic issues impacting the residential street leading up to the Buckley School, Stansbury Avenue.

1. The continual impact during rush hour from traffic on Beverly Glen created by the large number of trips by Buckley parents dropping off and picking up their children, who reside on the West side of Los Angeles.

2. The congestion on Ventura Blvd created by vehicles cars making left turns on to Stansbury in order to travel to Buckley School or take a short-cut to Beverly Glen Boulevard.

B. Street intersection and street section capacity

According to Department of Transportation vehicular counts conducted during consideration of Buckley's CUP revocation proceedings in 1987, DOT concluded that Buckley added "substantial traffic volumes on Stansbury Avenue and Valley Vista and local streets which traverse residential neighborhoods...approximately 1,500 trips per day are added to City streets by the school's operations." Accordingly, new

traffic surveys and counts must be conducted by DOT and appropriate mitigations be placed on Buckley School.

C. Construction impacts on Traffic

Any expansion by the school would only compound the existing traffic and congestion as construction is anticipated to take up to ten years. Accordingly, Buckley must be required to mitigate this impact.

D. Parking

The additional parking spaces that Buckley is creating will insure that more cars will be able to enter the campus and park, thus creating more traffic in the neighborhood.

E. Project Access/Neighborhood intrusion impacts

Finding #8 of City Plan Case no. 17967 stated: "A Traffic and Parking Management Plan is needed to provide for the long term, orderly movement of people and goods to the school site. This will reinforce the viable function of the school and reduce the environmental impacts on residential neighborhoods."

Buckley's new expansion plan does not make provision for an orderly movement of people and goods to the school site.

While there should be many components to such a plan, it is important to consider at this time that the main connecting street, Stansbury is a narrow cul-de-sac street, located south and intersecting with Ventura Boulevard and Valley Vista.

Since the creation of the school in1965, Stansbury residents have been unable to enter and exit their homes before and after school hours. This is due to the fact that parents are queuing in lines that that block Stansbury and its' residential driveways. Further, Stansbury is not wide enough for a third lane. This, obviously, creates a safety hazard for the residents, the vehicles in line and the school, in case of an emergency requiring evacuation of the school and/or the neighborhood.

The only other street accessible to the campus is Camino de la Cumbre, which is a substandard street located just one block west of Stansbury Avenue. It is currently used as the back entrance to the school. The street is very narrow and windy with blind curves that are hazardous to pedestrian and vehicular traffic. Presently, the school uses Camino de Cumbre for access on weekends and evenings when its' front gate is closed.

Another issue regarding Camino de la Cumbre is that Buckley parents use it as a shortcut route from the West side of Los Angeles. (40 % of Buckley students are from the Westside). This additional traffic creates more congestion on this dangerous substandard road.

Naturally, additional students and expansion of the school will mean more vehicular traffic on Stansbury and Camino de la Cumbre (again, a substandard street).

Therefore, Sherman Oaks Homeowners Association respectfully requests that the creation of a neighborhood traffic mitigation plan be required and funded by the Buckley school to improve the following transportation impacts:

A Neighborhood intrusion impacts
B Intersection Capacity/ Street segment capacity
C. Construction Impacts on Traffic
D. Parking
E. Project access

3. VISUAL RESOURCE AESTHETICS/ SIZE OF CONSTRUCTION/VIEWS/ NIGHTIME ILLUMINATION

A. Evaluation of conflicts with Mulholland Scenic Parkway Specific Plan

(Note: all statements below, in quotes and boldface type, are from the Mulholland Scenic Parkway Plan).

The Buckley School project includes a zone change and variance application that is requesting an increase in density, height, and bulk requirements in areas where **"there is a consistent theme, style, or building height"** requirements.

Further, Buckley should not be allowed to expand in an area **"where sensitive development is assured by a specific plan which integrates the transportation, land use and recreation aspects of the scenic parkway to make available to all people spectacular mountain, ocean and city view, and scenic and recreational opportunities."**

The existing Buckley School campus is presently overbuilt, and its' institutional buildings do not fit in with the residential character of the adjacent residential neighborhood (consisting of one and story homes). Therefore, any increase in new institutional buildings violates the spirit and intent of the Specific Plan, which among other provisions, requires projects to:

1. **"To assure the design and placement of buildings and other improvements preserve, compliment and/or enhance view from Mulholland Drive;"**

2. **"To preserve the existing residential character of areas along and adjoining the right-of-way."**

Nighttime illumination from the campus is intruding and excessive; in fact it illuminates the entire canyon. With the addition of more buildings, the existing problem will be compounded and not in concert with the Specific Plan, which states, in part:

3. "To reduce the visual intrusion cause by excessive lighting."

Therefore, Buckley should be required to low height, low illumination safety lighting of a color similar to incandescent light, which is shielded and directed onto the Buckley property and not into the residential neighborhood

According to the proposed plans, the erection of the new building designated as "Building 14, will be placed on a hill, between the football field and north of the rest of the school;" consequently it will be an "eyesore" and not consistent with the following provision:

4. "construction, building and structure visible from Mulholland Drive not be constructed on the top of a prominent ridge. Buildings and structure visible from Mulholland Drive shall not be constructed with 50 vertical feet of the top of a prominent ridge without prior written approval of the Director pursuant to Section 11."

Buckley's plans are not meeting the following requirements:

5. "Projects Near Parklands. No project shall be erected and no earth shall be graded with 200 feet of the boundaries of any public parkland without the prior written approval of the Director pursuant to Section 11. The Director may approve the construction of a project or grading with 200 feet of public parkland after making the following findings:"

a." The project preserves the residential character along the right-of-way."

b. "The project preserves the natural vegetation and the existing ecological balance"

Buckley does not preserve the residential character of the neighborhood and Buckley intends to remove Oaks trees, which are protected by law. At this time, the exact number has not been disclosed. Thus, it should not be allowed to grade with 200 feet of the boundary of Fossil Ridge. It should not be allowed to annex State Park Land to avoid this conflict.

6. "Oak trees. No oak tree (quercus agrifolia, lobata, q.virginina) shall be removed, cut down or moved without the removal cutting down or moving an oak tree after making the following findings:)"

a. "The removal, cutting down or moving of an oak tree will not result in undesirable, irreversible oil erosion through diversion or increased flow of surface water."

It is important to note that erosion and slides are prevalent in the hills surrounding Buckley and Buckley has experience slides on mud flowing into its property in the last month. In order to remove Oak Trees Buckley is filing to create two new lots so that one can reside in the outer corridor f the Mulholland Scenic Drive. It should not be allowed to do this for it will damage the scenic character of the zone.

b. "The oak tree is not located with reference to other trees or monuments in such a way as to acquire a distinctive significance at said location."

Lastly, by allowing the removal of any oak trees (or other vegetation and trees) on any hill will remove the only (green) buffer between the school and the neighbor hood.

7. "The Specific Plan protects the view shed from Mulholland Drive."

Additional large institutional buildings as planned will ruin the view shed from Mulholland as well as Camino de la Cumbre, Coy Drive, Glorietta Pl. and Beverly Ridge, and Fossil Ridge State Park.

8." Buckley is applying to create a lot split so that a portion of the campus will reside outside of the Mulholland Corridor."

Presently Buckley would not be allowed to be built because it is in the Mulholland corridor which protects residents by not allowing commercial use or Commercial businesses like Buckley.

9. "Institutional Use Corridor; An area parallel to and 500 feet northerly and 500 feet southerly of the Mulholland Drive right-of-way , designated on maps 3A and 4A with a dashed black line and labeled as MPill, beginning on the west at the intersection of Mulholland Drive and the Center line of Corda Drive. And terminating on the east at the west line of the San Diego Freeway beginning on the west at the east line of the San Diego Freeway and terminating on the east at a line that is parallel to and 4000 feet westerly of the centerline of Roscomare Road."

Buckley is not within the designated Institutional Use Corridor which is an area for Schools, churches and accessory buildings thereto.

10. Additional current violations to the Mulholland Scenic Plan

a. Buckley's rooftops are unaesthetic and are not appropriate for a residential zone or the Mulholland Specific Plan.

b. Buckley has installed a neon sign which is visible from Camino de la Cumbre, Camino de Solana and Beverly Ridge. It is not allowed in the Mulholland Specific Plan

c. Buckley has a barbwire fence that is not in character with the surrounding neighborhood (which borders Camino de la Cumbre). Such fencing material is not permitted in the Mulholland Specific Plan.

B. Evaluation of conflicts with a Residential zone

Buckley has been granted the right to reside partially in the Mulholland Corridor and a Residential Neighborhood because of its' Conditional Use Permit. Buckley's' institutional buildings and the density of those buildings are in contrast to the surrounding neighborhood which is considered an upscale neighborhood of aesthetic views, scenery, landscaping, and homes.

C. Screening Criteria for a conflicts with the General Plan (material from the Threshold guideline is in quotes):

1. "Does the project include a proposed zone change or variance that would increase density, height, and bulk in areas where there is a consistent theme, style building height and setbacks?"(Yes, the Buckley's current buildings are Dlow slung one story structures the proposed expansion has two story buildings and there will be an increase in density in an already densely developed site.)

2. "Would the project result in the removal of one or more features that contribute to the valued aesthetic character or image of the neighborhood, community, or localized area?" (Yes, oak trees will be removed and the hill between the football fields will be built on and retaining walls will be put on the hill next to Camino de la Cumbre which is the last green buffer between the school and the neighborhood."

3. "Would the project introduce features that would detract from the existing valued aesthetic quality of a neighborhood, community, or localized area by conflicting with important aesthetic elements or the quality of the area (such as theme, style, setbacks, density, massing, etc.) or by being inconsistent with applicable design guidelines?" (Yes.)

"A yes response to any of the preceding questions indicates further study in an expanded Initial Study, Negative Declaration, Mitigated Negative Declaration or EIR may be required."

D. CONCLUDING COMMENTS:

We would like to call attention to the following: the issues discussed in this section illustrate just how Buckley School is not in conformance with Mulholland Scenic Parkway Specific Plan and the Los Angeles General Plan. Buckley should be required

to be brought into conformance with these Plans through an Environmental Impact Report.

Lastly, if a developer attempted to construct a school on Buckley's site today, the application would be denied on the basis that it is not in conformance with the Specific Plan and the General Plan. We imagine it would also be quite difficult for a developer to attempt to receive approval to construct fifteen new homes (averaging 3,500 square feet)in addition to the already numerous existing buildings on Buckley's site. The point is: If Buckley would not be permitted to build a school "today," why should it be allowed to expand?

This raises another question: how much space does Buckley actually need? It is proposing to add 53,000 square feet to the existing 99,000 square feet; an increase of over fifty percent.

Buckley is not changing the size of its gym and administrative offices. The plans in question call for the construction of doubling the present amount of classrooms. Yet, they are only planning to increase the student enrollment by 80 students (750 are now permitted). That would mean it would have enough room for an additional 750 students. Again, this raises the question how much space does Buckley really need?

In an informal survey conducted by this Association, it was determined that Buckley has enough classrooms. Apparently, Buckley lacks open space. Gym classes are held indoors because there is not enough open space for all 12 grades, which have to share the football field and small asphalt yards behind the elementary and middle school buildings. Public schools have to have a minimum of open space on their campus for the amount of students enrolled. What impact will increasing buildings on the campus have with so little flat, open space?

In summary, the Sherman Oaks Homeowners Association Buckley School Committee requests that the City of Los Angeles conduct applicable studies regarding all of the issues put forth in this section (VISUAL RESOURCES (AETHIETICS, VIEW, NIGHTINE ILLUMINATION,SIGNAGE) as set forth in the City of Los Angeles Threshold Guide.

4. GRADING OF HILLSIDE ADJACENT TO SINGE-FAMILY HOMES

We are concerned that this will have a negative effect neighboring properties.

5. NOISE DURING AND AFTER CONSTRUCTION

There will be noise echoing in the residential area and school compound in the "canyon" during the planned 10 year construction period. Additional students also mean more noise for neighbors. There is currently a continuous loud noise emitted from commercial fans and the air conditioning system in the gym. It is a loud hum like a freeway noise.

Because of the violation of CUP Condition #18, there is no provision for protecting neighbors from being impacted from noise, traffic, etc., during night games and other evening events.

Daytime noise, besides the sound of all of the traffic, etc., includes noise produced by installing carpets at 7 AM on a Sunday morning in order to be ready for Monday's classes.

We would like the noise impact studied since the school is operating in a residential neighborhood.

6. DRAINAGE OF THE CANYON SURROUNDING BUCKLEY AND HYYDROLOGY (EXCAVATION IN NEAR PROXIMITY TO SUB-SURFACE WATER STREAMS.)

At present there is terrible drainage of the canyon. A 100,000 square two story parking lot is being proposed. We would like to have its effect on the drainage of the canyon and the underground streams examined. Presently no water is allowed to drain down into lowest part of the canyon where Buckley resides. It is essentially a wetland. A stream that flows south of Buckley is diverted to flow underneath the campus. That stream now has back-up which forms a pond which is a health hazard. It is in need as vector control. Buckley has had frequent flooding during storms. How will this affect their proposed semi-subterranean parking lot? There was a terrible landslide in this fragile canyon which blocked Camino de la Cumbre for two days and flowed directly into Buckley's back parking lot. Camino de la Cumbre becomes a storm drain during a storm because water is sand bagged and diverted from flowing into the lowest part of the canyon where Buckley resides.

7. ON SIGHT OAK TREE REMOVAL

(SEE ITEM #3)

8. BUILDING HEIGHT-VIEW FROM ADJOINING SINGLE –FAMILY HOMES, DANGER OF REZONING BUCKLEY TO BE OUTSIDE OF THE MULHOLLAND CORRIDOR

Buckley currently consists primarily of low slung one story structures. The proposed additional buildings will incorporate larger two scale structures, which are incompatible with the neighborhood architecture. Finding #2 from the City Plan Case no 17967 from July 9, 1987 stated the following "One of the objectives of the District Plan is "to encourage the preservation and enhancement of the varied and distinctive residential character of the District". The subject property is situated on RE15-1-H zoned land and is surrounded by "low" density single –family housing. We object to Buckley's proposal to modify height regulations to 40 feet in lieu of the 36.0 maximum, in a residential hillside zone pursuant to Lost Angeles Municipal Code

Section 12.21A 17c. (The obvious intent is to protect residential neighborhoods from the construction of large institutional buildings).

Why should Buckley be granted a Specific Plan Exception to allow expansion of an existing school in the outer corridor of the Mulholland Scenic Parkway?

Currently because part of Buckley is within the Mulholland Corridor the whole parcel is treated as if it is within the Mulholland Corridor and has to abide by the restriction. If Buckley gets approval to be rezoned as two legal lots, they will be able to remove oak trees and build large institutional buildings.

9. AIR POLLUTION FROM PROPOSED 100,000 + SF SEMI-SUBTERRANEAN PARKING STRUCTURE.

The impact must be studied.

10. EMISSION OF FRIABLE ASBESTOS DURING DEMOLITION

The impact must be studied.

11. BUILDING CONTINGUOUS TO FOSSIL RIDGE PARK

Buckley borders on Fossil Ridge State Park on its southern and eastern boundary and is an obvious facet in their view shed. The establishment of Fossil Ridge State Park and Oak Forest Canyon Park were keystone landmarks in habitat and pale ontological resource preservation for the City of Los Angeles and State of California, for which ISPTR was proud to play a part. In 1998 Buckley's plan was soundly defeated after a widespread out cry from a diverse number of organizations and state officials that included the Sierra Club, The International Society for the Preservation of the Tropical Rainforest, the Ecology Science Center of Southern California, the Federation of Hillside and Canyon Associations, the San Fernando Valley Federation, SOHA, the Santa Monica Mountains Conservancy a state center and a councilman. If Buckley is allowed to change the zoning of Conservancy land (public land) to A-1 (private land restrictive to five acre lots) even with a convent agreement, it will be problematic for neighbors. The convent agreement which will prevent Buckley from building on the land that Buckley wants to acquire from the Conservancy around its football field, will only be enforceable if the neighbors bring a lawsuit. The city will not enforce a convent agreement.

"A yes response to any of the preceding questions indicates further study in an expanded Initial Study, Negative Declaration, Mitigated Negative Declaration or EIR may be required.

12. PALEONTOLOGICAL RESCOURCES EXCAVATION/GRADING IN GENERAL AND ADJACENT TO FOSSIL RIDGE STATE PARK)

(bold type face and quotes are used for material directly from the Threshold Guide)

A. **"Paleontological resources occur throughout the City of Los Angeles."** Fossil Ridge was given its' name because it is obviously a great source for fossils.

B. **"Direct destruction of fossils within fossil-bearing rock units may result from grading or excavation with a project, particularly during the construction phase. Indirect destruction or loss of fossils exposed at the surface may result from increased erosion, human access, or other activity in a project area. Increased access could result from the opening of private or otherwise closed lands, new access routes through sensitive areas, or through excavation or the removal of vegetation**

C. **Palenontological resources are protected by state and federal legislation. State regulations mandate protection of paleontological resources on public land and CEQA requires evaluation of impacts to paleontological sites. Paleontological resources are also subject to certain state regulation for historical resources. CityGuidelines for the protection of paleontological resources are specified in Section VIII of the Conservation Element"**

D. **"Screening criteria:**
Could implementation of the project result in the disturbance of surface or **subsurface fossils, either through site preparation, construction or operational activities, or through an increase in human activities at or near the fossil site?"**

E. **"yes response to the preceding question indicates further study in an expanded Initial Study. Negative Declaration, Mitigated Negative Declaration, or EIR may be required"** (The answer in regard to the above concerning Buckley's expansion is a yes.)

F. It appears that Buckley is creating paths on Fossil Ridge State Park without the permission of the Santa Monica Conservancy. Given this, what will the effect of it attaining State Park Land around its football field be, with conditions of not building on it or creating illegal paths? Buckley is attempting to annex public land on Fossil Ridge through a land swap and own it privately. They then wish to excavate an Olympic size pool and build pool building. This will be done on land that has paleontological value to the public. What is the feasibility of any construction on the 12 acre+ parcel of land that Buckley is trying exchanging with the Conservancy? Is the 12 acre+ parcel unbuildable due to being swampland, having paleontologcial value, being continuous to a State Park, or due to its' access?

13. GEOLOGY AND SOILS

City Planning Department files adequately document the instability of the hillside directly above Buckley School to the west. A significant part of the soil instability is a

result of the following: Frank Reister, who at one point owned most of the property to the west of Camino de la Cumbre, and what is now Beverly Ridge, was the owner of all the property above Buckley School on its entire western boundary. During the 1950's the developers of Beverly Ridge development received permission from Frank Reister to grade the top of Beverly Ridge and spread the loose fill onto the hillside below, which at that time still belonged to Reister, thus saving them the cost of transporting the earth offsite.

The uncompacted fill covering the unstable diatonaceous shale buried the existing chaparral and the fill went uncompacted. You can readily see the difference in plant growth on Fossil Ridge to the east, Clothed completely in climax chaparral and below Beverly Ridge which remains today covered only by grasses, native tobacco, mustard (exotic species) and scattered black walnut trees, all secondary growth vegetation in transition. It is noteworthy that those steep slopes on Fossil Ridge suffered no slippage at all over the years. To the contrary , as a result of the fill overlay, each "hundred year" storm, which seems to occur about every ten years, produces massive mud floods onto Camino de la Cumbre directly above the Buckley back gate (see photo of that that and other severe storm events enclosed), and narrowly missed talking people and cars with it. Theo Seeley, Geology Technical engineer for the city, while inspecting the slide, stated that "it was the largest mud slide he seen" during this severe storm. In 1988, mud floods completely requiring complete excavations both outside and in. In addition, subterranean streams in the proximity of the excavation for the parking structure would be impacted.

We appeal to your mandate to "cause no harm" and "err on the side of caution." A severe earthquake, which is well overdo, says seismologists, could easily be perceived as an event which destabilizes the hillside and put at risk homes above and beside the parking structure.

14. EFFECT ON WILDLIFE;

A petition with over 13,000 signatures supported the creation of Fossil Ridge Park. The canyon is appreciated by the immediate neighborhood and greater community. It is a preserve for a wide variety of wildlife including deer, raccoons, skunks, owls, hawks, rabbits, pheasants, coyotes, possums and also a wildcat. What would the effect be of additional buildings and excavation particularly on the greenbelt and what would the effect be on wildlife from the noise of a ten year construction period?

15. FIRE AND EARTHQUAKE EVACUATION

Recently the people of Los Angeles witnessed terrible wildfires that took place in canyons and fire Zones of Southern California. Is it environmentally sound to expand the campus since it is in a fire zone?

If there was a fire or earthquake in our canyon, evacuation would be a very serious problem. Parents picking up their students in cars as well as emergency vehicles would have a major problem trying to approach Buckley by way of Stansbury. Stansbury is often a traffic jam that extends for several blocks even without a fire. The neighborhood residents between the school and Mulholland Drive would all try to evacuate by driving down Camino de la Cumbre. There are over 300 homes on Coy, Glorietta Street, Glorietta Place, and Camino de Solana. Because many of the students from Buckley live on the west side, hundreds of Buckley parents could also clog Camino de la Cumbre in an attempt to reach the school.

16. **UNSAFE SECOND EGRESS**
The back gate of Buckley exits on Camino de la Cumbre, a substandard street. Presently the exit is in a blind curve which needs to be studied and changed for safety. The street is unsafe for pedestrian traffic because Buckley's barbwire fence prevents a path from existing adjacent to its campus. A child was hit on Camino de la Cumbre and one of the chairs cars was hit on the left side by a Buckley parent at the intersection of Camino de la Cumbre and Ventura Boulevard.

17. **LIFE SAFETY.** Because Stansbury becomes a narrow street between Valley Vista and Buckley there are times of each school day when it is impossible for an emergency vehicle to get through. One resident on this street had a stroke and another has had a heart attack and ambulance access was extremely difficult in both cases. Adding more students to the school will increase the traffic congestion during drop off and pick up hours. Doctors are unable to park near patients homes because of the traffic, which could also be dangerous in an emergency.

18. **HAUL-ROUTE (EXPORT OF 51,000+/- CUBIC YARDS OF DIRT**
What would be the effect of massive amounts of dirt being exported from Buckley? Home many haul trips would there be?

19. **QUALITY OF LIFE**
Finding # 4 from the City Plan Case No. 17967 stated "A substantial number of complaints have been received from residents of the neighborhood concerning the activities at the school and conduct of students and other who have visited the facility over the years including poor driving conduct, excess parking spilling into the adjacent neighborhood, and commercial activities upon the site which conflict with the peace and enjoyment of the neighborhood residents."

Finding #6 stated that there appears to be a correlation between the leasing of school facilities to other entities along with evening and weekend operation and environmental impacts associated with them."

Other issues in regard to the loss of quality of life include speeding on Stansbury and Camino de la Cumbre by Buckley students, littering along neighborhood streets, and students gathering south of the school where there is smoking of cigarettes and questionable substances in a fire zone.

19. VIOLATIONS OF THEIR CURRENT CONDITIONAL USE PERMIT

The school has not shown itself to be a good neighbor through the years as evidenced by these findings before the City of Los Angeles:

Finding #13 of City Plan Case No. 17967 stated "There is sufficient evidence to suggest a pattern of conduct by the school which is inconsistent with Condition No 12 (adequate parking) and Condition No. 14 (due regard for the adjacent residential area) which were previously imposed and, that to further safeguard against the disadvantageously affecting the surrounding residential community, the Commission is imposing Conditions Nos. 15 through 23..." Moreover,

Finding #14 "The additional Conditions of Approval (No 15-23) are necessary to protect the best interest of the surrounding property, to eliminate; operations are compatible with the surrounding properties and to insure an appropriate development in harmony with the General Plan.

Presently, Buckley continues to violate Conditions in its' current Conditional Use Permit. Therefore, the application for new Conditional Use Permit should be denied, based on the following reasons:

1. Buckley has "over-enrolled" in 5 of the last 8 years. Condition# 1 of the CUP limits the school to 750 students. Buckley has exceeded this limit 5 times since 1996. In fact, in 2004, it had 762 students enrolled-12 beyond the CUP limit!

2. Buckley's "traffic and management plan" drafted in 1988 per Condition #22 of their CUP has failed to solve the continued traffic congestion problem on Stansbury Ave. Buckley will never be able to alter the fact that Stansbury is a narrow Cul-de-sac and that Camino de la Cumbre is a substandard street. The Underground parking with its additional spaces will just mean more traffic servicing a larger school, to the detriment of the neighborhood.

3. Buckley continuously ignores Condition #23 of it CUP which requires notice to all residents within 600 feet of the school that its calendar of extracurricular activities and events is available at the Planning Commission, office of the Council member, and residents on Stansbury north of Valley Vista.

4. Buckley has refused to provide sufficient evidence for neighbors to determine if the school is in compliance with Condition 319 which places reasonable limits on extracurricular activities and events on weekends and evenings. In response to our most recent request for this information Buckley responded with an "attorney letter" from Latham and Watkins informing neighbors that "this requirement was limited to only three years beginning with the Fall 1987 semester." This is an example of why Buckley should not be given a new CUP with any additional

loopholes that their law firm can use to their advantage to the detriment of the neighborhood.

5. Buckley has continuously failed to comply with Condition #15 of its CUP-the annual filing of its school census with the planning commission. This filing was only recently done after neighbors appealed to Councilman Jack Weiss for his assistance with Buckley's compliance.

Due to its history of CUP violations, Buckley should be denied approvals such as a Specific Plan Exception, a Community Plan (General Plan) Amendment, a Zone Change, and a Preliminary Parcel Map including Oak Tree removal and Haul Route approval.

Section 3. Conclusion

The Buckley School is one of only a small handful of K-12 independent schools in the City of Los Angeles located on just one campus. The others, Harvard Westlake, Oakwood, and Brentwood all have second campuses.

Buckley is likely the only single-campus K-12 situated at the terminus of a street zoned exclusively for single-family homes (RE-15) with a second exit on a sub-standard street.

Accordingly, we strongly urge the Environmental Review section to consider alternatives to Buckley's proposed expansion and urge the Review to reject Buckley's request for modifying their current CUP.

Over 700 signatures of surrounding neighbors in opposition to the expansion plans were collected by the Buckley Committee.

Said alternatives to the expansion include, (1) "splitting" the campus to two locations in lieu of expanding their existing location, (2) "shuttling" students and staff from an offsite location in lieu of the proposed parking structure, and /or (3) maintaining the existing campus at its current size and population (the no project alternative).

Thank-you for your consideration.

SHERMAN OAKS HOMEOWNERS ASSOCIATION
BUCKLEY SCHOOL COMMITTEE CO-CHAIRS

Barbara Case
Arnold Newman
Steve Weiss
Henry Lipson

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Barbara Case
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DEPARTMENT OF TRANSPORTATION
DISTRICT 7, OFFICE OF REGIONAL PLANNING
100 MAIN STREET, IGR/CEQA BRANCH
LOS ANGELES, CA 90012-3606
PHONE (213) 897-3747
FAX (213) 897-1337
TTY (213) 897-4937

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Flex your power!
Be energy efficient!

February 16, 2005

IGR/CEQA cs/050124 - NOP
City of Los Angeles
Buckley School Enhancement Plan ENV-2004-7171 EIR
3900 Stansbury Ave.
Vic. LA-101-14.76; SCH # 2005011055

Mr. Jimmy Liao
City of Los Angeles
Los Angeles City Planning Department
200 N. Spring St., Rm. 750
Los Angeles, California 90012

Dear Mr. Liao:

Thank you for including the California Department of Transportation in the environmental review process for the above-mentioned project. Based on the information received, we have the following comments:

We recommend the implementation of a ridesbare program and the use of multi-passenger school transportation vehicles to reduce peak period travel demand. All applicable transportation safety measures will need to be implemented.

If you have any questions regarding our comments, please refer to our IGR/CEQA Record number cs/050124 and you may contact me at (213) 897-3747.

Sincerely,

Cheryl J. Powell
IGR/CEQA Program Manager

cc: Scott Morgan, State Clearinghouse

City of Los Angeles

Scoping Meeting for the Environmental Impact Report
Buckley School Campus Enhancement Plan
January 25, 2005

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Written Comment Form

The purpose of the public scoping meeting is to obtain input from the public regarding the scope and the alternatives that will be analyzed in the Draft EIR for the Buckley School Campus Enhancement Plan. The Campus Enhancement Plan includes vehicular circulation and queuing improvements, increased parking within a new semi-subterranean parking facility, the demolition of eleven buildings, construction of seven new/replacement buildings, additions to, and renovation of, two existing buildings, and the renovation of four other buildings. Upon completion, a net addition of approximately 53,750 square feet of building area would be provided, resulting in a total of approximately 152,900 square feet of educational facilities within the project site.

Comments can be provided verbally at the scoping meeting or in written form. The deadline for submitting written comments to the City is February 11, 2005. In the space below (and on additional pages, if necessary), please provide any written comments you may have concerning the scope of the Draft EIR for the proposed project. Your comments will then be considered during preparation of the Draft EIR.

First of all the traffic in this residential area is already like a main valley cross street on an average day. During the rush hours, which has become a major portion of any day, the traffic is backed up for miles.

Second, this has been a residential neighborhood since long before Buckley School moved here.

If this development is approved, and I am concerned, knowing how City Hall works, the distraction and disbelieving of our beautiful residential areas will continue to be dispated by the further encroachment of this development.

Buckley School is a business and should expand in a business zone.

Name: RICHARD C. PAXMAN
Address: 14285 VALLEY VISTA BL.
SHERMAN OAKS, 91423

Please leave this form in the box provided or deliver or mail it to Mr. Jimmy Liao, City Planner/Project Coordinator, City of Los Angeles, Environmental Review Unit, Department of City Planning, 200 N. Spring Street Room 750, Los Angeles, California 90012. This form can simply be folded and placed in a mailbox. Please remember to add postage.

City of Los Angeles

Scoping Meeting for the Environmental Impact Report
Buckley School Campus Enhancement Plan
January 25, 2005

Written Comment Form

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I have lived here in Sherman Oaks since 1941.

I was born in Van Nuys, California.

I have seen the growth, the changes.

Can we hold back the further denigration of one of the great residential areas of Southern California?

I hope so, this is a marvelous place to call home.

Name: RICHARD C. PAXMAN
Address: 14285 VALLEY VISTA BL
SHERMAN OAKS, 91423

Please leave this form in the box provided or deliver or mail it to Mr. Jimmy Liao, City Planner/Project Coordinator, City of Los Angeles, Environmental Review Unit, Department of City Planning, 200 N. Spring Street Room 750, Los Angeles, California 90012. This form can simply be folded and placed in a mailbox. Please remember to add postage.

STATE OF CALIFORNIA–THE RESOURCES AGENCY

ARNOLD SCHWARZENEGGER, *Governor*

SANTA MONICA MOUNTAINS CONSERVANCY
RAMIREZ CANYON PARK
5750 RAMIREZ CANYON ROAD
MALIBU, CALIFORNIA 90265
PHONE (310) 589-3200
FAX (310) 589-3207

February 28, 2005

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Jimmy C. Liao, City Planner
Environmental Review Section
Department of City Planning
200 North Spring Street, Room 750
Los Angeles, California 90012

Notice of Preparation Comments
The Buckley School Campus Enhancement Plan - ENV-2004-7171 EIR

Dear Mr. Liao:

The Notice of Preparation correctly states the Conservancy staff has been approached by The Buckley School regarding an exchange of easements. Most of these comments address issues related to a possible exchange of easements contained in the project description. Because the Conservancy is only commenting on a narrow set of issues in this letter it should in no way be construed that this agency endorses the project.

The maximum size of any easement provided to the school on the Conservancy's Fossil Ridge park will likely be much smaller than the 4.85 acres in the project description. The boundary of any such easement over public land will maximize resource protection and provide a minimum buffer to the campus. The only disturbance contemplated on existing parkland is that associated with converting the present court area to a swimming facility. The remainder of any other private easement area in Fossil Ridge park would be completely free of all structures, lighting, fencing, vegetation or drainage disturbance. The DEIR should make clear what uses and exclusive requirements the school would propose to retain in any easement area provided by the Conservancy.

The 12.6-acre easement proposed to be given to the Conservancy is over a parcel that has long been sought for public acquisition. It offers superior public access that in turn will significantly improve public access to Fossil Ridge park. The reason the Conservancy is requesting an interest in an easement, as opposed to fee title, is the considerable annual fuel modification required on the property. The Buckley School would retain that obligation in perpetuity.

The DEIR should address the potential impacts of public use on the 12.6-acre easement area. Such analysis should include the two legal street access points of the 12.6-acre parcel. The DEIR should also address the schools' existing and proposed use of the 12.6 acre parcel and any portion of Fossil Ridge park for trail, recreation and educational purposes.

The DEIR should include mitigation measures that prohibit night lighting of the entire athletic complex in order to minimize disruption of wildlife. This agency urges the school to consider restrictions to permanently maintain native habitat and plant communities on portions of its property that would not be subject to any further disturbance after the proposed improvements are complete. All efforts should be made to retain native California black walnut trees and to maximize the planting of native perennial bunch grasses on hillsides, both disturbed and undisturbed. Any such habitat enhancement efforts on the school's property would benefit the local ecosystem.

The DEIR should also provide thorough analyses of potential impacts to hydrology, grading of any natural areas, viewshed from public lands and streets, and the unparalleled palentological resources known to occur in the subject substrate in adjacent Fossil Ridge Park. Special palentological mitigation measures are probably warranted.

Please address any comments to Paul Edelman of our staff at (310) 589-3200 ext. 128

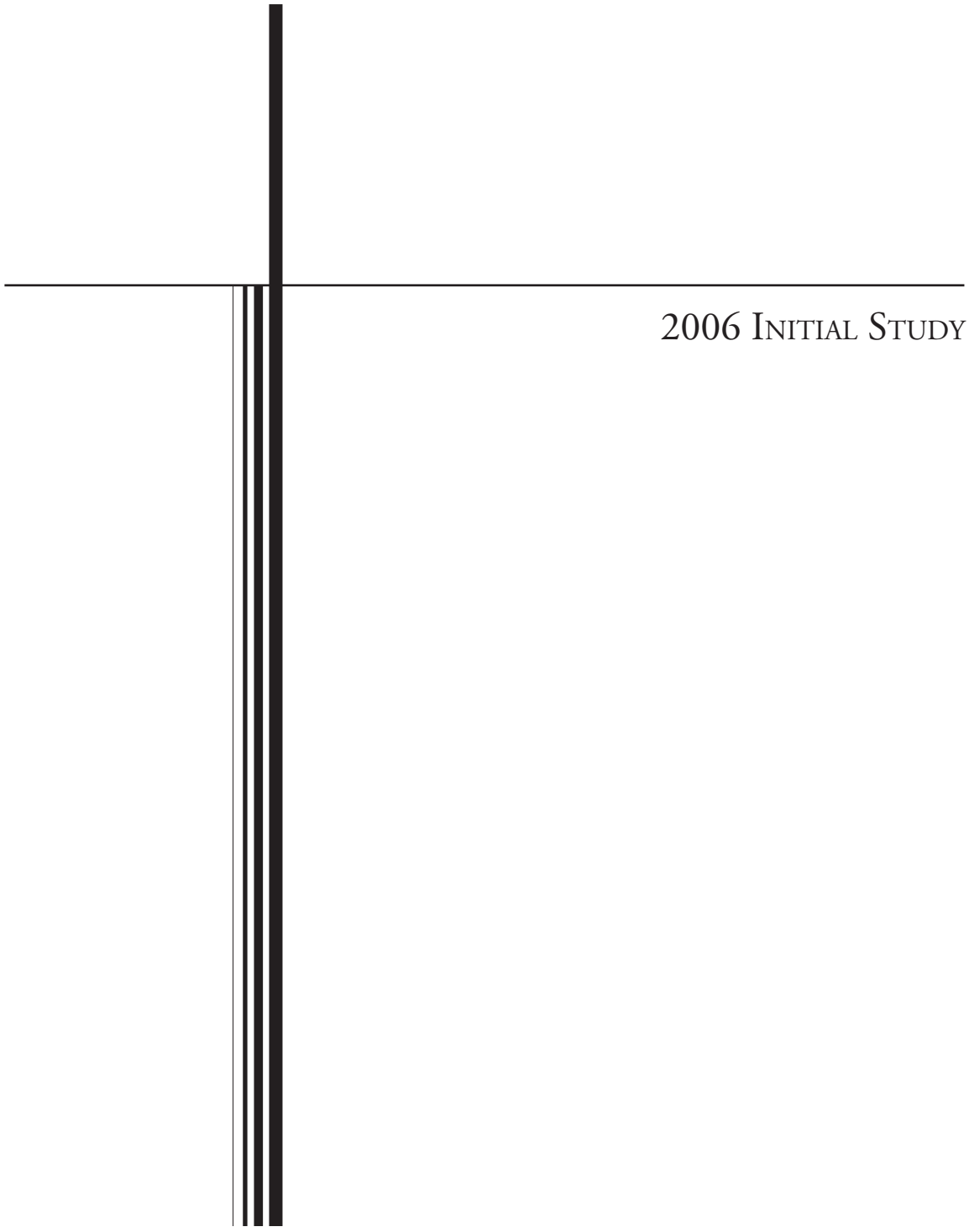
Sincerely,

singed copy to follow

ELIZABETH A. CHEADLE
Chairperson

Appendix B:

2006 Initial Study/Notice of Preparation (NOP)/ NOP Comment Letters



2006 Initial Study

CITY OF LOS ANGELES
DEPARTMENT OF CITY PLANNING

ENVIRONMENTAL ASSESSMENT FORM

EAF Case No.: _____ ZA Case No.: _____ CPC Case No.: _____
Council District No.: 5 Community Plan Area: Sherman Oaks - Toluca Lake - Studio City -Cahuenga Pass
PROJECT ADDRESS: 3900 Stansbury Avenue
Los Angeles, California 91423
Major Cross Streets: Ventura Boulevard, Beverly Glen Boulevard
Name of Applicant: The Buckley School (attn: Elizabeth McGregor)
Address: 3900 Stansbury Avenue, Los Angeles, CA 91423
Telephone No.: 818-783-1610 Fax No.: 818-501-7820 E-mail: emcgregor@buckleyla.org

OWNER	APPLICANT'S REPRESENTATIVE (Other than Owner)
Name: The Buckley School	Name: Cindy Starrett, Latham & Watkins, LLP (Contact Person)
Address: 3900 Stansbury Avenue, Los Angeles, CA 91423	Address: 633 West Fifth Street, Suite 4000, Los Angeles, CA 90071
Telephone No: 818-783-1610	Telephone No: 213-485-1234
Signature:	Signature:

The following Exhibits are required (3 copies of each exhibit and 3 Environmental Assessment Forms for projects in Coastal & S.M. Mtn. Zones): All Exhibits should reflect the entire project, not just the area in need of zone change, variance, or other entitlement.

NOTE: The exhibits are IN ADDITION TO those required for any case for which the Environmental Assessment Form is being filed.

A. 2 Vicinity Maps: (8½" x 11") showing nearby street system, public facilities and other significant physical features (similar to road maps, Thomas Brothers Maps, etc.) with project area highlighted.

B. 2 Radius/Land Use Maps: (1" = 100') showing land use and zoning to 500 feet (100 feet of additional land use beyond the radius for alcoholic beverage cases); 100' radius line (excluding streets) okay for Coastal building permits 300' for site plan review applications.

C. 2 Plot Plans: showing the location and layout of proposed development including dimensions; include topographic lines where grade is over 10%; tentative tract or parcel maps where division of land is involved to satisfy this requirement, and the location and diameter of all trees existing on the project site.

D. Application: a duplicate copy of application for zone change, (including Exhibit "C" justification) batch screening form, periodic comprehensive general plan review and zone change map, variance, conditional use, subdivider's statement, etc.

E. Pictures: two or more pictures of the project site showing walls, trees and existing structures.

F. Notice of Intent Fee: a check in the amount of $25 made out to the **County of Los Angeles** for the purpose of filing a Notice of Intent to Adopt a Negative Declaration as required by § 15072 of the State CEQA Guidelines.

ENVIRONMENTAL ASSESSMENT
APPROVED BY: _____ DATE: _____
APPLICATION ACCEPTED
BY: _____ DATE: _____
RECEIPT NO.: _____

I. Project Description:

Briefly describe the project and permits necessary (i.e., Tentative Tract, Conditional Use, Zone Change, etc.) including an identification of phases and plans for future expansion:

The Buckley School, the project Applicant, proposes to enhance its existing campus facilities located at 3900 Stansbury Avenue in the Sherman Oaks Community of the City of Los Angeles. The improvements are proposed as part of the Campus Enhancement Plan, the intent of which is to address the needs of existing and future school programs, including the provision of adequate teaching space for all educational levels, specialty teaching spaces, and multipurpose spaces for educational gatherings that cannot occur in a standard classroom. The project also provides for the modernization of existing facilities, improved disabled access, and energy efficiency upgrades. Included within the Campus Enhancement Plan are vehicular circulation and queuing improvements, increased parking within a new enclosed parking facility, the demolition of six buildings, construction of five new/replacement buildings, a central plant, and addition to and/or renovation of two existing buildings. Upon completion, a net addition of approximately 69,500 square feet of building area would be provided, resulting in a total of 168,650 square feet of educational facilities within the project site. The project, which would require a new Conditional Use Permit to operate a school within the RE-40 zone, is estimated to be completed within a six-year timeframe. See Attachment A for further discussion and a list of necessary approvals.

Will the project require certification, authorization, clearance or issuance of a permit by any federal, state, county, or environmental control agency, such as Environmental Protection Agency, Air Quality Management District, Water Resources Board, Environmental Affairs, etc.? If so, please specify:

South Coast Air Quality Management District, Regional Water Quality Control Board

II. Existing Conditions:

A. Project Site Area

Net Acres 18.44 acres [gross acres minus street easement] Gross Acres 18.50 acres [with inclusion of the street easement]

B. Existing Zoning RE-40-1-H (Residential Estate, Height District 1, Hillside)

C. Existing Use of Land Educational Facility – Kindergarten through Grade 12

Existing General Plan Designation Minimum Density Residential and Very Low Density Residential (school uses allowed per CUP)

D. Requested General Plan Designation No change

E. Number 6 type Wood Frame/misc. and age ± +/- 25 to 35 of structures to be removed as a result of the project. If residential dwellings (apts., single-family, condos) are being removed indicate the number of units: N/A and average rent: N/A

Is there any similar housing at this price range available in the area? If yes, where? N/A

F. Number Under study Trunk Diameter Under study and type Under Study of existing trees.

G. Number Under Study Trunk Diameter Under study and type Under Study of trees being removed (identify on plot plan.)

H. Slope: State percent of property which is:

44 percent Less than 10% slope 5 percent 10–15% slope 51 percent over 15% slope

If slopes over 10% exist, a topographic map will be required. Over 50 acres, 1" = 200' scale is okay.

I. Check the applicable boxes and indicate the condition on the Plot Plan. There are ☒ natural or man-made drainage channels, ☒ rights of way and/or ☐ hazardous pipelines crossing or immediately adjacent to the property, or ☐ none of the above.

J. Grading: (specify the total amount of dirt being moved)

0-500 cubic yards.

Approximately potential incidental import or export 15,000 cubic yards (estimated for buildout). If over 500 cubic yards. indicate amount of cubic yards.

K. Import/Export: Indicate the amount of dirt being imported or exported.

Projects involving import/export of 1000 cubic yards or more are required to complete a Haul Route Form and Haul Route Map.

If the project involves more than one phase or substantial expansion or changes of existing uses, please document each portion separately, with the total or project details written below. Describe entire project, not just area in need of zone change, variance, or other entitlement.

III. Residential project (if not residential, do not answer)

A. Number of Dwelling Units-
Single Family _____ Apartment _____ or Condominium _____

B. Number of Dwelling Units with:
One bedroom _____ Two bedrooms _____
Three bedrooms _____ Four or more bedrooms _____

C. Total number of parking spaces provided _____

D. List recreational facilities of project _____

E. Approximate price range of units $ _____ to $ _____

F. Number of stories, _____ height _____ feet.

G. Type of appliances and heating (gas, electric, gas/electric, solar) _____
Gas heated swimming pool? _____

H. Describe night lighting of the project _____
(include plan for shielding light from adjacent uses, if available)

I. Percent of total project proposed for: Building _____
Paving _____
Landscaping _____

J. Total Number of square feet of floor area _____

IV. Commercial, Industrial or Other Project (if project is only residential do not answer this section). Describe entire project, not just area in need of zone change, variance, or other entitlement.

A. Type of use Educational with grades Kindergarten through 12.

B. Total number of square feet of floor area 95,850 square feet to be added (69,500 net square feet when accounting for 26,350 square feet to be removed)

C. Number of units if hotel/motel 0

D. Number of stories. One to two height 10-55 Feet

E. Total number of parking spaces provided: Approximately 306 (240 within an enclosed parking facility and 66 various surface spaces throughout campus).

F. Hours of operation School hours: 7:30 A.M.-4:00 P.M. & extra-curricular 4:00 -8:30 P.M. (operational hours begin at 7 A.M.) Days of operation 220 days per year of instruction (Monday-Friday), with occasional weekend use, plus 40 days of operations for faculty and staff

G. If fixed seats or beds involved, number N/A

H. Describe night lighting of the project Low-level security and exit lighting in low-use, pedestrian and parking areas.
(Include plan for shielding light from adjacent uses, if available)

I. Number of employees per shift 117 Full-Time and 8 Part-Time teachers (existing = 117) Staff/Administrative = 51 Full-Time and 2 Part-Time (existing = 45)

J. Number of students/patients/patrons 830 K-12 students proposed (existing = 750 maximum enrollment)

K. Describe security provisions for project Private security personnel; renovated Guardhouse

L. Percent of total project proposed for: Building 12.61 percent
Paving 23.93 percent
Landscaping 63.46 percent

Historic/Architecturally Significant Project

Does the project involve any structures, buildings, street lighting systems, spaces, sites or components thereof which may be designated or eligible for designation in any of the following: (please check)

☐ National Register of Historic Places No
☐ California Register of Historic Resources No
☐ City of Los Angeles Cultural Historic Monument. No
☐ Within a City of Los Angeles Historic Preservation Overlay Zone (HPOZ) No

V. Hazardous Materials and Substance Discharge

Does the project involve the use of any hazardous materials or have hazardous substance discharge?
If so, please specify. The project would involve the use of standard cleaning agents and pesticides.

A Regulatory Identification Number (if known) N/A
B. Licensing Agency N/A
C. Quantity of daily discharge N/A

VI. Stationary Noise Clearance: A clearance may be necessary certifying the project's equipment (e.g., air conditioning) complies with City Noise Regulations.

Some projects may require a Noise Study. The EIR staff will inform those affected by this requirement.

VII. Selected Information:

A. Circulation: Identify by name all major and secondary highways and freeways within 1,000 feet of the proposed project; give the approximate distance(s):
Ventura Blvd., located 3,000' to the north, is designated a Major Highway; Beverly Glen Blvd., located 2,325' to the west, is designated a Secondary Highway

B. Air: All projects that are required to obtain AQMD permits (see AQMD Rules and Regulations) are required to submit written clearance from the AQMD indicating no significant impact will be created by the proposed project.*

C. Noise: Projects located within 600 feet of railroad tracks indicate the number of trains per day:**
Day 7 AM–10 PM N/A
Night 10 PM–7 AM N/A

VIII. Mitigating Measures:

Feasible alternatives or mitigation measures which would substantially lessen any significant adverse impact which the development may have on the environment. Under study

* Contact the South Coast Air Quality Management District at 572-6418 for further information.

** For information, contact:

Southern Pacific Train Dispatcher 629-6569
Union Pacific Engineering 725-2313
Santa Fe Train Master 267-5546

APPLICANT/CONSULTANT'S AFFIDAVIT

OWNER MUST SIGN AND BE NOTARIZED;

IF THERE IS AN AGENT, THE AGENT MUST ALSO SIGN AND BE NOTARIZED

I, Elizabeth McGregor, Acting Head of School for The Buckley School
Owner (Owner in escrow)*
(Please Print)

Signed: Elizabeth J. McGregor
Owner

I, Lucinda Starrett, Latham & Watkins, LLP
Consultant*
(Please Print)

Signed:
Agent

being duly sworn, state that the statements and information contained in this Environmental Assessment Form are in all respects true and correct to the best of my knowledge and belief.

State of California, County and City of Los Angeles

Signed: Notary	Signed: Notary
Subscribed and sworn to before me this 27 day of, January 2006 (NOTARY or CORPORATE SEAL)	Subscribed and sworn to before me this 30 day of, January 20 06 (NOTARY)

* If acting for a corporation, include capacity and company name.

J. SMITH
Commission # 1503797
Notary Public - California
Los Angeles County
My Comm. Expires Jul 26, 2008

NICOLE S. VILLACORTA
Comm. # 1576814
NOTARY PUBLIC - CALIFORNIA
Los Angeles County
My Comm. Expires May 7, 2009

CITY OF LOS ANGELES

OFFICE OF THE CITY CLERK
ROOM 395, CITY HALL
LOS ANGELES, CALIFORNIA 90012

CALIFORNIA ENVIRONMENTAL QUALITY ACT

INITIAL STUDY
AND CHECKLIST

(CEQA Guidelines Section 15063)

LEAD CITY AGENCY	COUNCIL DISTRICT	DATE
Los Angeles Department of City Planning	5	January 2006

RESPONSIBLE AGENCIES

PROJECT TITLE/NO.	CASE NO.
The Buckley School Campus Enhancement Plan	

PREVIOUS ACTIONS CASE NO.	☐ DOES have significant changes from previous actions. ☐ DOES NOT have significant changes from previous actions.

PROJECT DESCRIPTION:

The Buckley School, the project Applicant, proposes to enhance its existing campus facilities located at 3900 Stansbury Avenue in the Sherman Oaks Community of the City of Los Angeles. The improvements are proposed as part of the Campus Enhancement Plan, the intent of which is to address the needs of existing and future school programs, including the provision of adequate teaching space for all educational levels, specialty teaching spaces, and multipurpose spaces for educational gatherings that cannot occur in a standard classroom. The project also provides for the modernization of existing facilities, improved disabled access, and energy efficiency upgrades. Included within the Campus Enhancement Plan are vehicular circulation and queuing improvements, increased parking within a new enclosed parking facility, the demolition of six buildings, construction of five new/replacement buildings, a central plant, and addition to and/or renovation of two existing buildings. Upon completion, a net addition of approximately 69,500 square feet of building area would be provided, resulting in a total of 168,650 square feet of educational facilities within the project site. The project, which would require a new Conditional Use Permit to operate a school within the RE-40 zone, is estimated to be completed within a six-year timeframe.

ENVIRONMENTAL SETTING:

The project site is located within a developed area in a canyon setting in the Santa Monica Mountains. The project site is surrounded on the north and west by residential uses, and to the east and south by lands owned by the Santa Monica Mountains Conservancy.

PROJECT LOCATION The project site is located at 3900 Stansbury Avenue in the Sherman Oaks Community of the City of Los Angeles. The campus is approximately 13 miles northwest of downtown Los Angeles and 12 miles northeast of the Pacific Ocean. The campus is located at the terminus of Stansbury Avenue and immediately to the east of Camino De La Cumbre. The San Diego Freeway is located approximately two miles to the west of the project site and the Ventura Freeway is located approximately one mile to the north of the project site. Other primary roadways in the vicinity of the site include Ventura Boulevard to the north, Mulholland Drive to the south, Beverly Glen Boulevard to the west and Coldwater Canyon to the east.

PLANNING DISTRICT/NEIGHBORHOOD COUNCIL	STATUS:
Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass	☐ PRELIMINARY ☐ PROPOSED ☒ ADOPTED date: May 13, 1998

EXISTING ZONING	MAX. DENSITY ZONING	☒ DOES CONFORM TO PLAN
RE-40-1-H	N/A	
PLANNED LAND USE & ZONE	**MAX. DENSITY PLAN**	☐ DOES NOT CONFORM TO PLAN
Educational Facilities-Conditional Use	N/A	
SURROUNDING LAND USES	**PROJECT DENSITY**	☐ NO DISTRICT PLAN
Single Family Residential		

☞ **DETERMINATION (To be completed by Lead Agency)**

On the basis of this initial evaluation:

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

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

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

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

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

SIGNATURE	TITLE

EVALUATION OF ENVIRONMENTAL IMPACTS:

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

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

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

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

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

   1) Earlier Analysis Used. Identify and state where they are available for review.
   2) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
   3) Mitigation Measures. For effects that are "Less Than Significant With Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

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

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

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

9) The explanation of each issue should identify:
   1) The significance criteria or threshold, if any, used to evaluate each question; and
   2) The mitigation measure identified, if any, to reduce the impact to less than significance.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☒ Aesthetics	☒ Hazards & Hazardous Materials	☐ Public Services
☐ Agricultural Resources	☒ Hydrology/Water Quality	☒ Recreation
☒ Air Quality	☒ Land Use/Planning	☒ Transportation/Traffic
☒ Biological Resources	☐ Mineral Resources	☒ Utilities/Service Systems (Hydrology Only)
☒ Cultural Resources	☒ Noise	☒ Mandatory Findings of Significance
☒ Geology/Soils	☐ Population/Housing	

INITIAL STUDY CHECKLIST (To be completed by the Lead City Agency)

BACKGROUND

PROPONENT NAME	PHONE NUMBER

PROPONENT ADDRESS

AGENCY REQUIRING CHECKLIST	DATE SUBMITTED

PROPOSAL NAME (If Applicable)

☞ **ENVIRONMENTAL IMPACTS** (Explanations of all potentially and less than significant impacts are required to be attached on separate sheets)

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS. Would the project:				
a. Have a substantial adverse effect on a scenic vista?	☒	☐	☐	☐
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings, or other locally recognized desirable aesthetic natural feature within a city-designated scenic highway?	☒	☐	☐	☐
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	☒	☐	☐	☐
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☒	☐	☐	☐
II. AGRICULTURAL RESOURCES. In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b. Conflict the existing zoning for agricultural use, or a Williamson Act Contract?	☐	☐	☐	☒
c. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	☐	☐	☐	☒
III. AIR QUALITY. The significance criteria established by the South Coast Air Quality Management District (SCAQMD) may be relied upon to make the following determinations. Would the project result in:				
a. Conflict with or obstruct implementation of the SCAQMD or Congestion Management Plan?	☒	☐	☐	☐
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	☒	☐	☐	☐
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the air basin is non-attainment (ozone, carbon monoxide, & PM 10) under an applicable federal or state ambient air quality standard?	☒	☐	☐	☐
d. Expose sensitive receptors to substantial pollutant concentrations?	☒	☐	☐	☐

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
e. Create objectionable odors affecting a substantial number of people?	☐	☐	☒	☐
IV. BIOLOGICAL RESOURCES. Would the project:				
a. Have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations by the California Department of Fish and Game or U.S. Fish and Wildlife Service ?	☒	☐	☐	☐
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in the City or regional plans, policies, regulations by the California Department of Fish and Game or U.S. Fish and Wildlife Service ?	☒	☐	☐	☐
c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh vernal pool, coastal, etc.) Through direct removal, filling, hydrological interruption, or other means?	☒	☐	☐	☐
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☒	☐	☐	☐
e. Conflict with any local policies or ordinances protecting biological resources, such as tree preservation policy or ordinance (e.g., oak trees or California walnut woodlands)?	☒	☐	☐	☐
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒
V. CULTURAL RESOURCES: Would the project:				
a. Cause a substantial adverse change in significance of a historical resource as defined in State CEQA 15064.5?	☐	☐	☐	☒
b. Cause a substantial adverse change in significance of an archaeological resource pursuant to State CEQA §15064.5?	☐	☐	☒	☐
c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☒	☐	☐	☐
d. Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐
VI. GEOLOGY AND SOILS. Would the project:				
a. Exposure of people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving :				

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☒	☐	☐	☐
ii. Strong seismic ground shaking?	☒	☐	☐	☐
iii. Seismic-related ground failure, including liquefaction?	☒	☐	☐	☐
iv. Landslides?	☒	☐	☐	☐
b. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potential result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☒	☐	☐	☐
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	☒	☐	☐	☐
e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
VII. HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials	☐	☐	☐	☒
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☒	☐	☐	☐
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for the people residing or working in the area?	☐	☐	☐	☒
g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	☐	☐	☐	☒
VIII. HYDROLOGY AND WATER QUALITY. Would the proposal result in:				
a. Violate any water quality standards or waste discharge requirements?	☐	☐	☒	☐
b. Substantially deplete groundwater supplies or interfere with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned land uses for which permits have been granted)?	☐	☐	☒	☐
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	☒	☐	☐	☐
d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in an manner which would result in flooding on- or off site?	☒	☐	☐	☐
e. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☒	☐	☐	☐
f. Otherwise substantially degrade water quality?	☐	☐	☒	☐
g. Place housing within a 100-year flood plain as mapped on federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	☐	☐	☐	☒
h. Place within a 100-year flood plain structures which would impede or redirect flood flows?	☐	☐	☐	☒
i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	☒	☐	☐	☐
j. Inundation by seiche, tsunami, or mudflow?	☒	☐	☐	☐
IX. LAND USE AND PLANNING. Would the project:				
a. Physically divide an established community?	☐	☐	☐	☒
b. Conflict with applicable land use plan, policy or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	☒	☐	☐	☐

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
c. Conflict with any applicable habitat conservation plan or natural community conservation plan?	☐	☐	☐	☒
X. MINERAL RESOURCES. Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒
XI. NOISE. Would the project:				
a. Exposure of persons to or generation of noise in level in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☒	☐	☐	☐
b. Exposure of people to or generation of excessive groundborne vibration or groundborne noise levels?	☒	☐	☐	☐
c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☒	☐	☐	☐
d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	☒	☐	☐	☐
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒
f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒
XII. POPULATION AND HOUSING. Would the project:				
a. Induce substantial population growth in an area either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b. Displace substantial numbers of existing housing necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
c. Displace substantial numbers of people necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. PUBLIC SERVICES. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a. Fire protection?	☐	☐	☒	☐
b. Police protection?	☐	☐	☐	☒
c. Schools?	☐	☐	☒	☐
d. Parks?	☐	☐	☐	☒
e. Other governmental services (including roads)?	☐	☐	☐	☒
XIV. RECREATION.				
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☒	☐	☐	☐
XV. TRANSPORTATION/CIRCULATION. Would the project:				
a. Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to ratio capacity on roads, or congestion at intersections)?	☒	☐	☐	☐
b. Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	☒	☐	☐	☐
c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	☐	☐	☐	☒
d. Substantially increase hazards to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
e. Result in inadequate emergency access?	☐	☐	☒	☐
f. Result in inadequate parking capacity?	☒	☐	☐	☐
g. Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	☒	☒	☐	☐

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. UTILITIES. Would the project:				
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	☐	☐	☒	☐
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒	☐
c. Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☒	☐	☐	☐
d. Have sufficient water supplies available to serve the project from existing entitlements and resource, or are new or expanded entitlements needed?	☐	☐	☒	☐
e. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project□s projected demand in addition to the provider□s existing commitments?	☐	☐	☒	☐
f. Be served by a landfill with sufficient permitted capacity to accommodate the project□s solid waste disposal needs?	☐	☐	☒	☐
g. Comply with federal, state, and local statutes and regulations related to solid waste?	☐	☐	☐	☒
XVII. MANDATORY FINDINGS OF SIGNIFICANCE.				
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☒	☐	☐	☐
b. Does the project have impacts which are individually limited, but cumulatively considerable? (○Cumulatively considerable○ means that the incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects).	☒	☐	☐	☐
c. Does the project have environmental effects which cause substantial adverse effects on human beings, either directly or indirectly?	☒	☐	☐	☐

DISCUSSION OF THE ENVIRONMENTAL EVALUATION (Attach additional sheets if necessary)

PREPARED BY	TITLE	TELEPHONE #	DATE
Stephanie Eyestone-Jones	Principal, Director of Environmental Planning and Documentation, PCR	310-451-4488	1/31/2006

See Attachment B: Explanation of Checklist Determinations

ATTACHMENT A
PROJECT DESCRIPTION

A. INTRODUCTION

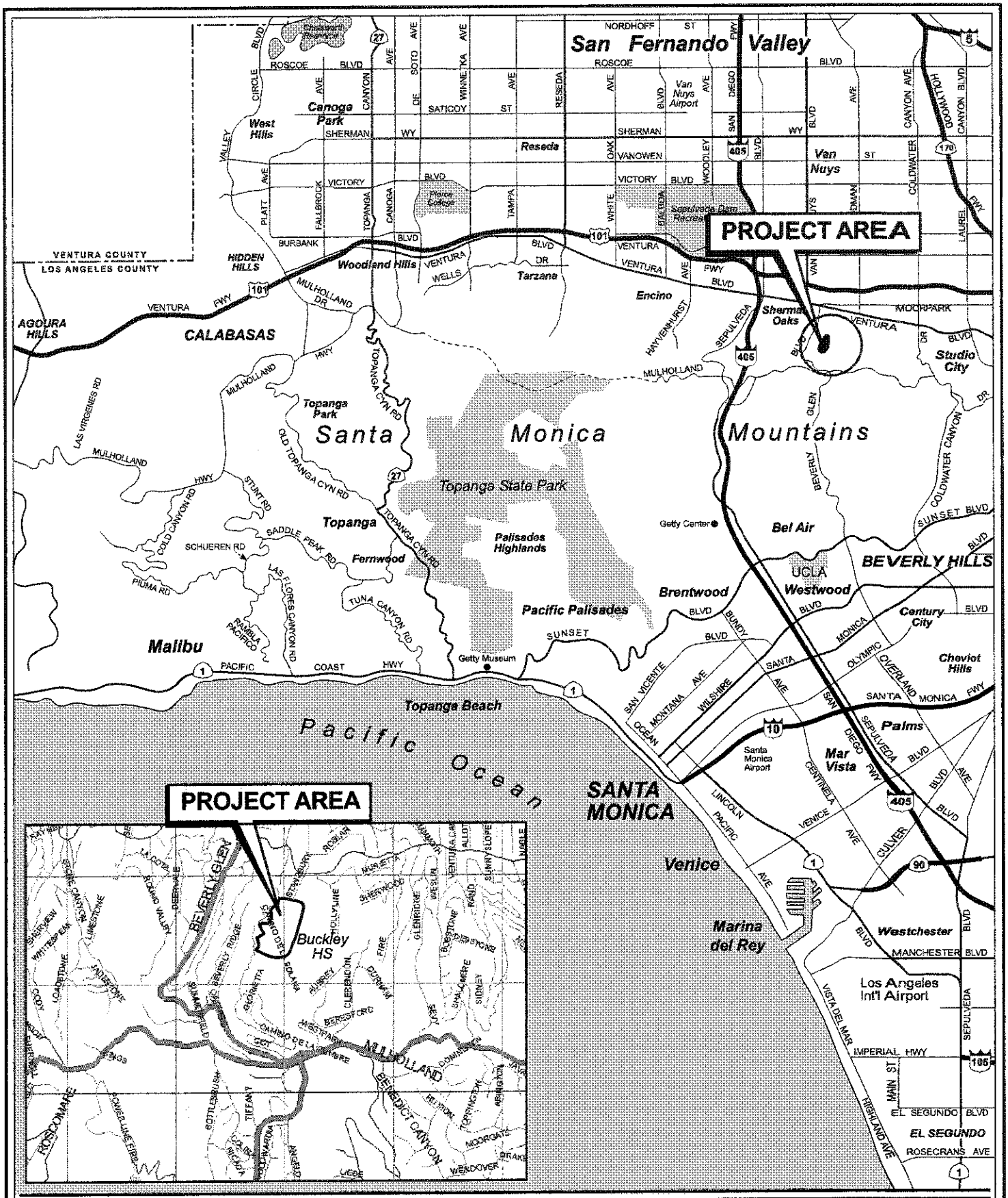
The Buckley School (the School), the project Applicant, proposes to enhance its existing campus facilities located at 3900 Stansbury Avenue in the Sherman Oaks Community of the City of Los Angeles. The improvements are proposed as part of the Campus Enhancement Plan (referred to herein as the project or the proposed project), the intent of which is to address the needs of existing and future school programs, including the provision of adequate teaching space for all educational levels, specialty teaching spaces, and multipurpose spaces for educational gatherings that cannot occur in a standard classroom. The project also provides for the modernization of existing facilities, improved disabled access, and energy efficiency upgrades. Included within the Campus Enhancement Plan are vehicular circulation and queuing improvements, increased parking within a new enclosed parking facility, the demolition of six buildings, construction of five new/replacement buildings, a central plant, and addition to and/or renovation of two existing buildings. Upon completion, a net addition of approximately 69,500 square feet of building area would be provided, resulting in a total of 168,650 square feet of educational facilities within the project site.[1]

The project described herein reflects revisions to the previous plan described in the November 2004 EAF/Draft Initial Study and the Notice of Preparation dated January 12, 2005, in response to concerns expressed by certain members of the surrounding residential community, particularly regarding construction impacts and soil export.

B. PROJECT LOCATION AND SURROUNDING USES

The project site is located at 3900 Stansbury Avenue in the Sherman Oaks community of the City of Los Angeles. As indicated by Figure 1 on page A-2, The Buckley School campus is approximately 13 miles northwest of downtown Los Angeles and 12 miles northeast of the Pacific Ocean. The campus is located at the terminus of Stansbury Avenue and immediately to the east of Camino de la Cumbre. The San Diego Freeway (US-405) is located approximately

[1] *These building area square footage calculations refer to floor area ratio (FAR) program space and do not include areas such as exterior covered walkways, exterior covered balconies and roof overhangs. These exterior areas are not included in the Los Angeles Planning Code definition of floor area (LAMC §12.03), but may be included in the Los Angeles Building Code definition of floor area.*


PROJECT AREA
San Fernando Valley
Santa Monica Mountains
Topanga State Park
Pacific Ocean
SANTA MONICA
Venice
Marina del Rey
Malibu
CALABASAS
AGOURA HILLS
Woodland Hills
Encino
Sherman Oaks
Studio City
Bel Air
BEVERLY HILLS
Westwood
UCLA
Brentwood
Pacific Palisades
Topanga
Topanga Beach
Palms
Mar Vista
Cheviot Hills
Century City
Westchester
Los Angeles Int'l Airport
EL SEGUNDO
Playa del Rey
Canoga Park
West Hills
Reseda
Van Nuys
Tarzana
Hidden Hills
Topanga Park
Fernwood
Palisades Highlands
Getty Center
Getty Museum
Santa Monica Airport
Van Nuys Airport
Pierce College
Sepulveda Dam Recreation
Chatsworth Reservoir
VENTURA COUNTY
LOS ANGELES COUNTY
PROJECT AREA
Buckley HS
BEL-AIR GLEN
MULHOLLAND
BENEDICT CANYON
ROSCOMARE
Figure 1
Project Location and Regional Vicinity Map
PCR
N
0
2
4 Mile
Scale in approximate miles
Source: PCR Services Corporation, 2004

two miles to the west of the project site and the Ventura Freeway (US-101) is located approximately one mile to the north of the project site. Other primary roadways in the vicinity of the site include Ventura Boulevard to the north, Mulholland Drive to the south, Beverly Glen Boulevard to the west and Coldwater Canyon Avenue to the east.

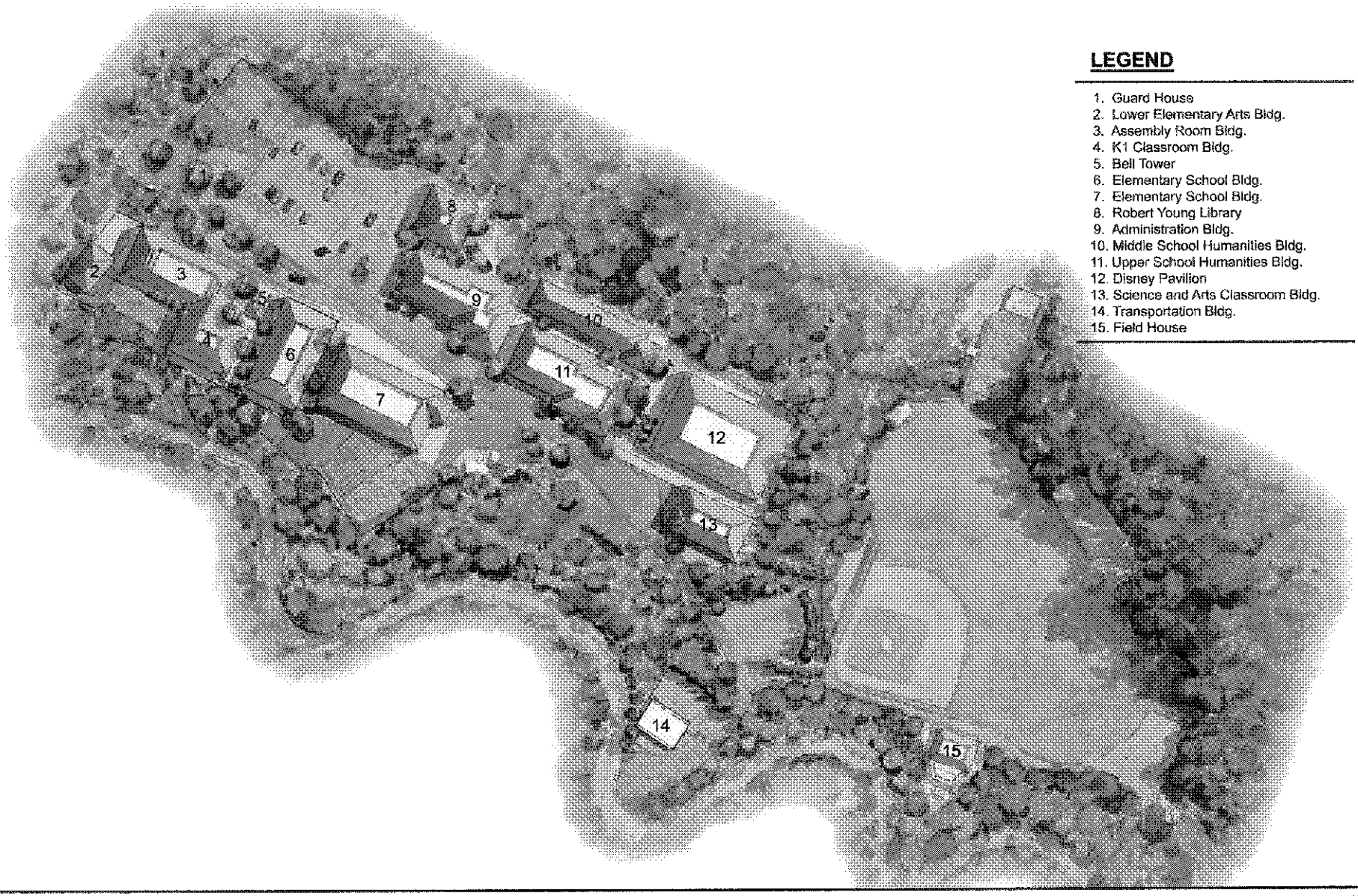
The project site is located within a canyon setting on the north side of the Santa Monica Mountains. The project site is surrounded on the north and west by residential uses, and to the east and south by land owned by the Santa Monica Mountains Conservancy (SMMC). Additional residential uses are located to the east and south of this land.

C. SITE BACKGROUND AND EXISTING CONDITIONS

The Buckley School was founded by Dr. Isabelle Buckley in 1933. After purchasing land formerly occupied by the Glen-Aire Country Club, the school was moved to its current location in the late 1960s. With campus buildings constructed through the late 1970s, The Buckley School includes approximately 99,150 square feet of building area and 214 surface parking spaces within the existing 18.44-acre campus. The Buckley School also owns approximately 12.6 acres of vacant, non-adjacent land to the south of the campus.

The Buckley School enrolls approximately 750 students within Kindergarten through Grade 12 (enrollment for the 2005-2006 school year was 746 as of December 2005, with permitted capacity for an additional four students). These grade levels are organized into three broader programs: the Lower School (Kindergarten through Grade 5); the Middle School (Grades 6 through 8); and the Upper School (Grades 9 through 12).

As shown in Figure 2 on page A-4, the Lower School is located within the northern portion of the campus and includes several buildings on the west side of the site that comprise approximately 26,500 square feet of building area and provide 20 classrooms. The Middle and Upper Schools utilize several buildings located on the east side of the site. These buildings include classroom buildings comprising approximately 32,000 square feet of floor area and providing 37 classrooms; the Disney Pavilion (29,000 square feet), which includes a swimming pool and gymnasium; and other accessory areas. The remainder of the campus structures comprise 11,650 square feet of building area and include an athletic field house, guard house, maintenance building, and several temporary storage buildings. Overall, existing buildings on site include approximately 99,150 square feet of building area. The existing campus buildings are one to two stories in height and include stucco exteriors and clay tile roofs, generally suggesting a Southern California vernacular architecture. In addition, an athletic field with an associated concrete grandstand, an outdoor basketball court, and various play areas are located within the campus. A pole-mounted, backlit, changeable sign is located near the campus exit.



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Figure 2
Existing Site Plan

Source: Jeffrey M. Kalban & Associates Architecture, Inc., 2006.

Due to its canyon location on the northern side of the Santa Monica Mountains, the topography of the site varies from approximately 750 feet above mean sea level (asl) within the northern part of the project site to more than 900 feet (asl) within the southern portion of the project site. Primary access to the site is provided via Stansbury Avenue to the north. In addition, within the western portion of the site, a driveway provides very limited access via Camino de la Cumbre.

The project site is zoned RE-40-1-H (Residential Estate, Height District 1, Hillside) pursuant to the City of Los Angeles Zoning Code. The Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass Community Plan designates the site for Minimum Density Residential and Very Low Residential uses. The Community Plan also includes a notation identifying elementary, junior high and senior high school uses within the project site. The existing school uses are permitted and operated on the site pursuant to an existing approved Conditional Use Permit (CU). Approximately 3.28 acres of the southern portion of the campus, currently used as sports fields with a grandstand, field house, and various small storage buildings, lie within the Mulholland Scenic Parkway Specific Plan area. Specifically, this southern portion of the site is located within the "Outer Corridor," as defined by the Mulholland Scenic Parkway Specific Plan.

Many of the school's existing facilities are aging and inadequate. From a regulatory perspective, various campus buildings require improvements to meet current Americans with Disabilities Act (ADA) Fire Code requirements, and California Energy Code standards. In general, many of the existing buildings and classrooms are functionally outdated and inefficient. Numerous classrooms lack sufficient natural light, and public address systems, and there are few spare classrooms available during the school day for faculty-student meetings, student work groups, and faculty gatherings. Since the construction of The Buckley School, standards for modern classroom sizes have changed due to the additional space needed for computers and other interactive instructional areas. The science, fine arts, and performing arts instructional spaces within the site are also smaller than is standard for a modern coeducational college preparatory school. In addition, college preparatory curriculum has changed over time, requiring advanced, honors, and college advanced placement sections, which occur at the same time as regular classes, for most science and humanities courses. As a result, more classrooms are needed to provide for these additional sections. The lack of classrooms requires that two courses occasionally be conducted simultaneously within the same room. Furthermore, the number of students that can be accommodated in some courses is limited by the physical size of each classroom, rather than being dictated by the educational needs of the student population.

Since the original construction of The Buckley School, after school athletic program requirements also have changed substantially with the passage of Title IX of the U.S. Code, which requires schools to offer equal and sufficient athletic opportunities to both girls and boys. This policy together with Buckley's "no cut" policy for Middle School athletic teams has created the need for additional athletic facilities space, including indoor practice spaces that can be

utilized daily without the need to split or share space with performing arts courses, an additional basketball court for after school practice, and associated storage space. Currently there is an insufficient number of athletic facilities, precluding the ability to hold simultaneous practice sessions for all in-season sports.

An important issue to The Buckley School and the surrounding residential community is traffic congestion during morning student drop-off and afternoon student pick-up periods. The existing parking lot does not have sufficient capacity to accommodate both bus and vehicle queuing and parking on campus, thus resulting in spillover queuing on Stansbury Avenue.

The Buckley School Campus Enhancement Plan described herein has evolved from a planning and design process dating back to 1997 that has included extensive community input. The project has undergone numerous revisions over the years and the School has continued to work with the community to address their concerns while accommodating the School's educational needs. Most recently, in response to the plan described in the November 2004 EAF/Draft Initial Study and the Notice of Preparation dated January 12, 2005, some members of the community expressed concerns particularly regarding construction impacts and soil export. In an effort to address such comments and reduce associated environmental impacts, the project has been revised as discussed below.

D. DESCRIPTION OF PROPOSED PROJECT

The project Applicant, The Buckley School, proposes to enhance its existing campus through implementation of the Campus Enhancement Plan. The Campus Enhancement Plan addresses the needs of existing and future programs offered within the campus, including the provision of adequate teaching space for all educational levels, specialty teaching spaces, and multipurpose spaces for educational purposes that cannot occur in a standard classroom. Included within the Campus Enhancement Plan are vehicular circulation and queuing improvements, increased parking within a new enclosed parking facility, the demolition of six buildings, the construction of five new/replacement buildings, and addition to and/or renovation of two existing buildings.[2] Additionally, pedestrian and vehicular access improvements would separate students, faculty and staff from vehicles while still allowing for emergency access and would create a pedestrian-oriented campus with an identifiable center and an overall emphasis on landscape.

To fulfill the project's objectives, the project would be developed in three phases, each designed and timed to facilitate continued school operations on-site with the sequencing and

[2] *In addition, a Central Plant would be constructed, necessitating changes to the rooftop equipment of the existing buildings that would remain on-site.*

relocation of classes during construction and to minimize disruptions to neighbors. The proposed phases are organized as follows:

- Phase 1: New Library and Technology Center
- Phase 2: New Middle and Upper School Main Academic Center and Parking Facility, replacement Guard House, new Central Plant, and new basketball court
- Phase 3: New Academic Building West, addition to and renovation of the existing Academic Building South, new Aquatic Center, and renovation of Disney Pavilion and Lower School Assembly Room & Classroom Building

When accounting for approximately 26,350 square feet of building area to be removed, development of these project components would result in a net increase of approximately 69,500 square feet of building area over the existing 99,150 square feet of building area on site, resulting in a total building area of approximately 168,650 square feet upon completion. Refer to Table 1 on page A-8 for a breakdown of the approximate building areas to be added to the campus by phase. The additional educational space would allow The Buckley School to better serve its existing student population and to accommodate a modest increase in its enrollment without significant expansion of the campus from its existing building footprint. As shown in Figure 3 on page A-9, the new structures would be located within the already developed areas of the campus, thus integrating new structures with existing development and minimizing effects on the slopes of the canyon and the natural vegetation. As discussed further below, the proposed structures would measure between 27 and 55 feet in height from existing grade based on the Los Angeles Municipal Code (LAMC) definition of building height, but would visually appear no greater than 35 feet in height due to the sloping nature of the site's topography and grade changes proposed as part of the project.[3] A building height of 55 feet and the proposed changes in finished grade for the new Middle and Upper School Main Academic Center and Parking Facility would be necessary to accommodate the project's excavated soils on-site in order to nearly eliminate the need for soil export or import. In any event, all of the new structures would have heights that are generally similar to existing building heights on-site, and no proposed roofline would occur above that of the existing Disney Pavilion. Each of the project's three phases and associated components is described in more detail below.

[3] *Per LAMC §12.03, building height is defined as "the vertical distance above grade measured to the highest point of the roof, structure, or the parapet wall, whichever is highest. Retaining walls shall not be used for the purpose of raising the effective elevation of the finished grade for purposes of measuring the height of a building or structure." Also per LAMC §12.03, grade or adjacent ground level is defined as "the lowest point of elevation of the finished surface of the ground, paving or sidewalk within the area between the building and the property line, or when the property line is more than 5 feet from the building, between the building and a line 5 feet from the building."*

Table 1

Proposed Facilities

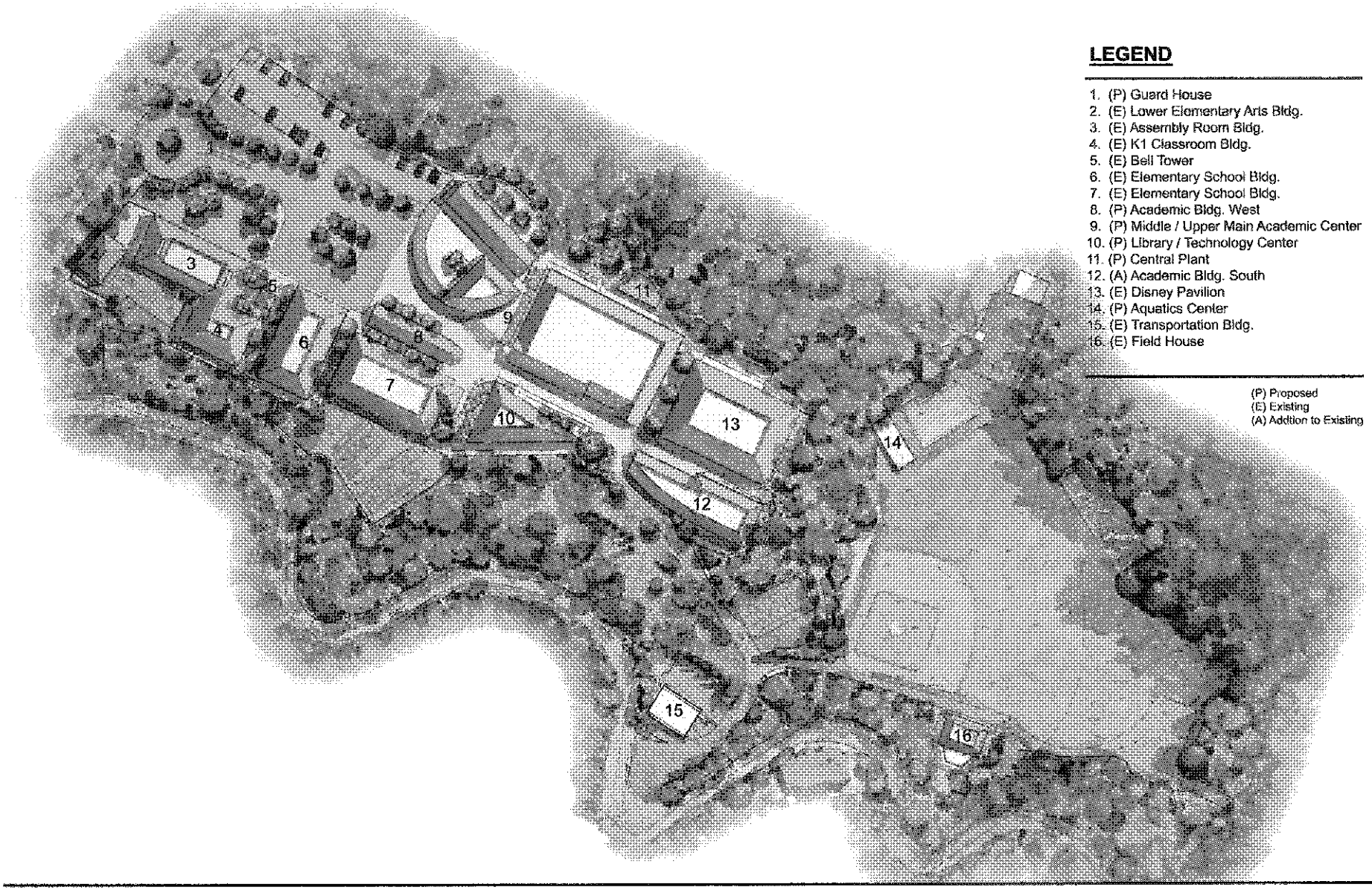
Project Phases and Building Components		New Building Area (approx. square feet) [a]
Phase 1	New Library and Technology Center	18,770
Phase 2	New Middle and Upper School Main Academic Center and Enclosed Parking Facility, Replacement Guard House, New Central Plant, and New Basketball Court	61,570
Phase 3	New Academic Building West, Addition to and Renovation of the Existing Academic Building South, New Aquatic Center, Disney Pavilion Renovation, and Lower School Assembly Room & Classroom Building Renovation	15,510
Total New Building Area for All Phases		**95,850**
Total Building Area to be Removed		**- 26,350**
Net Area Increase in Building Area		**69,500**
Total Existing Building Area		**+ 99,150**
Total Building Area Upon Completion		**168,650**
Parking		**Spaces**
Enclosed Parking Facility		240
Various Remaining Surface Parking Spaces throughout Campus		66
Total Number of Parking Spaces on Campus		**306**

[a] *These building area square footage calculations refer to FAR program space and do not include areas such as exterior covered walkways, exterior covered balconies, roof overhangs, and mechanical areas. Such exterior areas as well as mechanical rooms are not included in the Los Angeles Planning Code definition of floor area, but may be included in the Building Code definition of floor area.*

1. Description of the Development Phases

a. Phase 1: New Library and Technology Center

Phase 1 would include construction of the new Library and Technology Center, which would include a library, classrooms, a food preparation/servery area, administrative space, and storage uses. In addition, a business office currently located off-site would likely be relocated to this building. As shown in Figure 3 on page A-9, the new Library and Technology Center would be located on the west side of the campus along the proposed central pedestrian walkway/emergency access. This new building would be approximately 18,770 square feet in area, with two aboveground stories and a basement level. The existing 700-square-foot Milk House (comprised of five small outbuildings) and associated outdoor seating area would be removed to provide space for the new building. With development at the Milk House site, construction would occur within an existing developed area of the campus and minimal



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Figure 3
Proposed Site Plan

Source: Jeffrey M. Kalban & Associates Architecture, Inc., 2006.

excavation would be required for the basement, with all earth retained on-site. The topographic location of this site would also serve to screen the building from homes above the campus on Camino de la Cumbre. The building would be approximately 27 feet in height.

Phase 1 would require approximately 8 to 12 months for construction. The Buckley School proposes the multipurpose Library and Technology Center as the first new building to be developed so that it can be used for flexible classroom and administrative space during the construction of Phase 2 (discussed below).

b. Phase 2: New Middle and Upper School Main Academic Center and Parking Facility, replacement Guard House, new Central Plant, and new basketball court

Phase 2 would include a new Middle and Upper School Main Academic Center and Parking Facility, a replacement Guard House, new Central Plant, and a new basketball court. As shown in Figure 3 on page A-9, the new Middle and Upper School Main Academic Center would be located on the east side of the campus, to the south of the proposed arrival plaza and east of the existing central driveway/fire road which would become a central pedestrian walkway/fire road for emergency access. The new Middle and Upper School Main Academic Center would be located on the site of and would functionally replace the existing Middle and Upper School Humanities Buildings. The new building would be approximately 61,420 square feet in area and would consist of two stories, except for a single-story component in the northwestern portion of the building. The Main Academic Center could potentially consist of a group of visually distinct classroom components that utilize the new enclosed Parking Facility as a common structural platform. Five existing buildings, including the Administration Building, Robert Young Library, Middle and Upper School Humanities Buildings, and Guard House, totaling approximately 25,650 square feet would be removed during Phase 2 to provide the necessary space for construction of the new buildings. The proposed classroom building would provide traditional classroom spaces; new specialized spaces for visual art, science, and performing arts instruction, as well as performing arts practice rooms; other support facilities; and a multipurpose room with retractable seating for up to approximately 392 people.

In addition to structural articulation to reduce building massing, the Middle and Upper School Main Academic Center would be designed with varied rooflines to reduce building heights viewed from the north and west. Much of the most visible façades of the building (i.e., the northern and western sides) would have low-rise rooflines measuring approximately 23 to 30 feet above existing grade, with building height increasing to the south and east. The tallest portion of the Middle and Upper School Main Academic Center would occur on the eastern façade, which would not be visible to residential properties located west of the campus. Based on the LAMC definition of building height (i.e., relative to existing grade), the building would have a formal maximum height of approximately 55 feet. However, given the sloping nature of the site's natural topography as well as grade changes proposed in this area of the campus, the

building would visually appear as 28 to 35 feet in height. Additionally, the proposed roofline would not exceed that of the existing Disney Pavilion to the immediate south.

As part of the Middle and Upper School Main Academic Center, an enclosed Parking Facility would be built below the classroom levels to accommodate on-site parking demand and additional vehicular queuing space. The Parking Facility would function as a structural foundation for the classroom levels above. The new Parking Facility would include two levels of parking to replace the existing 214-space surface parking lot within the northern portion of the campus. The facility would provide approximately 240 parking spaces including standard, compact and disabled-access spaces. There would also be approximately 66 surface parking spaces remaining throughout the campus for use by guests, maintenance and service vehicles, and for disabled access. This would bring the total parking supply to approximately 306 spaces.

In order to minimize the amount of excavation and associated soil export and import required for the project, the lower parking level of the building would be constructed at roughly current grade (approximately 774 feet (asl)), with the upper parking level and Middle and Upper School Main Academic Center above it. The areas immediately east of the parking levels would be filled in with soil materials graded or excavated on-site. The remaining soils would be used to raise the campus driveway and arrival plaza. By raising the finished grade in this area of the campus, the project's excavated soils would be accommodated on-site, thereby nearly eliminating the need for soil export/import and associated truck trips.

The proposed Parking Facility would also increase capacity for vehicle queuing on campus during student drop-off and pick-up periods, thus eliminating the typical queuing of vehicles on Stansbury Avenue. All vehicular queuing would be entirely accommodated on the campus, utilizing the upper and lower levels of the Parking Facility, as well as the circular arrival plaza for bus queuing as needed. Landscaped islands would be provided within the arrival plaza and the campus entry drive would be heavily landscaped, thereby visually improving the views onto campus from Stansbury Avenue. In addition, demolition of the existing Guard House and construction of a replacement 150-square-foot Guard House located near the main campus entrance would occur during this phase. The new Guard House would be approximately 10 feet in height. The existing pole-mounted, changeable message sign located near the campus exit would be removed and replaced with an approximately 4-foot by 8-foot sign placed on the south façade of the new guard house facing toward the campus buildings.

Phase 2 would also include construction of a Central Plant, to be located immediately east of the Middle and Upper School Main Academic Center at the foot of the adjacent slope.[4]

[4] *Per LAMC §12.22, rooms housing building operating equipment or machinery are excepted from the definition of floor area. Accordingly, the proposed Central Plant is not included in the project floor area totals.*

By centralizing the mechanical infrastructure on-site, energy efficiency would be improved throughout the campus. With a building height of approximately 14 feet, the Central Plant's location would minimize visibility from elsewhere on the campus and would not be visible to the residential properties to the west. In addition, a basketball court would be introduced in an area southwest of the existing Academic Building South, currently used for surface parking and trash compaction. Striping for a court at this location would make use of an existing, flat and paved area, limiting the need for clearing, grading, and new paving.

Phase 2 would require approximately 18 months, and total new building area would be approximately 61,420 square feet. During this phase of construction, modular units may be required for displaced classrooms and would likely be located on the existing athletic field.

c. Phase 3: New Academic Building West, addition to and renovation of the Existing Academic Building South, new Aquatic Center, Disney Pavilion renovation, and Lower School Assembly Room & Classroom Building Renovation

Phase 3 would involve construction of the new Academic Building West, an addition to and interior renovation of the existing Academic Building South to create additional general classroom space, introduction of an outdoor Aquatic Center, and renovation of the Disney Pavilion and the Lower School Assembly Room & Classroom Building. The Academic Building West would be located south of the arrival plaza and west of the Middle and Upper School Main Academic Center, adjacent to the central pedestrian walkway. The new two-story building would consist of 5,180 square feet designed for efficient organization of the School's administration offices and additional classroom spaces, with a maximum building height of approximately 33 feet.

Alterations to the existing Academic Building South would involve a two-story addition comprising 7,000 square feet of primarily classroom space. The height of this addition would be the same as that of the existing building, or approximately 30 feet. Interior renovations to existing portions of the building would allow more efficient organization of the educational spaces to better serve the student population and accommodate current curricula. Specifically, the new classrooms would provide modern classroom space for Middle and Upper School classes.

Also during Phase 3, a new outdoor Aquatic Center would be built in the athletic field area, as shown in Figure 3 on page A-9. A new outdoor swimming pool would replace the current indoor pool in the Disney Pavilion, which would be converted to school uses once the new pool is completed. The Aquatic Center would include approximately 3,330 square feet for lockers, restrooms, a training room and office, and storage, but would not include any classroom space. This building would measure approximately 27 feet in height. The Aquatic Center would

likely be built entirely on the existing Buckley campus, but may be built in the location of the current outdoor basketball and weight facility located at the northeast corner of the athletic field, nestled into the adjacent hillside and utilizing a portion of land currently owned by the SMMC, subject to future negotiations with SMMC. Placement of the Aquatic Center utilizing a portion of the existing encroachment on SMMC land would limit views of the facility from the north, south, and west. Throughout the remainder of the athletic field area, sports activities including soccer and baseball would continue, and landscaping would be added to "green" the southern portion of the campus and obscure off-site views of miscellaneous small storage buildings. The existing field grandstand would remain in place, and no night lighting would be introduced aside from essential low-level security and exit lighting.

Phase 3 would require approximately two years for the construction of a total of approximately 15,510 square feet of floor area. No existing buildings would be removed during this phase.

2. Proposed Site Access

As shown in Figure 3 on page A-9, primary access to the site would continue to be provided from Stansbury Avenue. With implementation of the Campus Enhancement Plan, all vehicles entering the campus through the Stansbury Avenue entrance would either turn towards the arrival plaza, turn into the visitor parking lot and lower level of the new Parking Facility, or continue straight into the upper level of the Parking Facility. Parents, teachers, faculty, staff, students, visitors, and deliveries arriving via the Stansbury Avenue entrance would not drive beyond the northern portion of the campus. The existing drive through the campus would become a pedestrian-oriented walkway designed and landscaped to be aesthetically compatible with The Buckley School's canyon setting, which would be maintained as a 20-foot clear Fire Department emergency access route at all times.

The Parking Facility would also provide substantially increased vehicle queuing on campus during student drop-off and pick-up periods, with an appreciably greater area for student loading and unloading than occurs with the existing campus layout. The new circulation layout would eliminate the typical queuing of vehicles on Stansbury Avenue and would introduce new landscaping areas in the northern portion of the site. Limited access from Camino de la Cumbre would continue to be available for service vehicles, deliveries, some employees, athletic field access, and emergency access.

3. Proposed Campus Operations

The Campus Enhancement Plan is proposed to address the instructional needs of existing and future programs provided by The Buckley School. In addition, the School is requesting a

modest increase in enrollment beginning in the 2007–2008 school year with an initial enrollment increase of 20 students. A phased enrollment increase of 20 students per year would follow beginning in the 2012–2013 school year and continuing for three years, until the maximum enrollment cap of 830 students is reached in the 2014–2015 school year. The total increase of 80 students represents a modest 10.7 percent increase above the current permitted enrollment of 750 students. To accommodate these students, up to eight additional faculty members and up to eight other additional staff could be hired during this same timeframe. A resulting total of 117 full-time and 8 part-time faculty members (approximately 121 full-time equivalent (FTE)) and 51 full-time and 2 part-time staff (approximately 51 FTE) could be present on-site by the 2014–2015 school year.

Under the provisions of the proposed new Conditional Use Permit (see Section E, below), the campus would be open for regular classroom instruction for up to 220 days per year with instruction to begin at 7:30 A.M. and be completed by 4:00 P.M.[5] This timeframe would provide for staggered start and end times for classes at the Lower, Middle and Upper Schools, minimizing overlap of student drop-off and pick-up times and reducing traffic entering the site. School facilities would be open for faculty and staff use an additional 40 weekdays per year during regular hours (beginning at 7:00 A.M.), similar to current faculty and staff usage of the campus. After school activities would follow regular instruction and would continue until 8:30 P.M. Additionally, the School would be open for extra-curricular activities some evenings Monday to Friday until 10:30 P.M. (eight times per month), as well as some Saturdays from 8:00 A.M. to 11:00 P.M. and some Sundays from 10:00 A.M. to 6:00 P.M. (for a combined 24 weekend days per year).

4. Project Phasing and Construction

Construction of the project would be completed in three phases, based on the project components described above, over the course of an approximately six-year timeframe. Anticipated construction schedules are as follows: Phase 1 - 8 to 12 months beginning in March 2009; Phase 2 - approximately 18 months beginning in March 2011; Phase 3 - staged over a two-year period beginning in 2013. As planned, Phase 2 would follow a period of approximately one year with no construction subsequent to completion of Phase 1; however, the possibility exists that Phase 2 might begin as early as 2010, with some work for Phase 2 overlapping with completion of Phase 1. For purposes of a conservative analysis, this potential scenario with overlapping phases has been analyzed. Furthermore, while construction activities (including interior renovations) may continue until 2015, the potential impacts associated with the project are linked to the proposed student enrollment increase, with the full enrollment of 830 students anticipated to occur by the 2014–2015 school year. As such, this document analyzes a project

[5] *Classroom instruction of up to 220 days includes the regular academic year (180 days) and summer school (40 days).*

buildout year of 2014. Implementation of the project would require modification of the existing topography. The project has been designed to balance cut and fill quantities on-site in order to limit the export and import of soil and avoid associated impacts, such that only nominal export or import may be needed. Much of the grading would occur in previously developed or paved areas throughout the developed portion of the site. However, some grading activities would take place adjacent to the slopes that line the canyon. Overall, grading would require approximately 15,000 cubic yards of cut and approximately 15,000 cubic yards of fill. Some incidental import or export may be required. All grading activities would comply with applicable City of Los Angeles grading requirements. This near balance in cut and fill operations would be achieved by utilizing cut materials from throughout the developed portion of the campus to fill in the area surrounding the proposed Parking Facility, thus raising finished grade in that area by as much as 20 feet.

E. NECESSARY APPROVALS

Approvals required for development of the Campus Enhancement Plan could include, but may not be limited to, the following:

- Approval of a new Conditional Use Permit pursuant to LAMC §12.24U, including Plan Approval and related Site Plan Review findings pursuant to LAMC §16.05 to allow (i) demolition of existing facilities and construction of new facilities, (ii) an increase in enrollment of up to 80 students for a maximum enrollment of 830 students, and (iii) replacement of existing conditions of approval with new conditions that reflect current City standards.

- Approval of a Specific Plan Exception pursuant to LAMC §11.5.7F to allow facility expansion and operation of an existing school use in the Mulholland Scenic Parkway Specific Plan Outer Corridor.

- Approval of a Specific Plan Exception pursuant to LAMC §11.5.7F to allow some buildings heights to exceed the maximum 40 feet allowed per the Mulholland Scenic Parkway Specific Plan Outer Corridor.

- A modification of the height regulations pursuant to LAMC §12.24F to allow some building heights to exceed the maximum 36 feet permitted in a residential hillside zone pursuant to LAMC §12.21A 17(c).

- A potential modification of the yard regulations pursuant to LAMC §12.24F to allow the proposed outdoor Aquatic Center to be within the required side yard.

- Approval of a Parcel Map pursuant to LAMC §17.53 to create two legal lots at the campus, one encompassing that portion of the campus within the Mulholland Scenic

Parkway Specific Plan Outer Corridor, and the other encompassing that portion of the campus beyond the boundary of the Outer Corridor, including related Oak Tree removal approval and Haul Route approval from the Advisory Agency.

- Approval of a Zone Variance pursuant to LAMC §12.27 to allow installation and continued operation of an on-site Light Emitting Diode (LED) message sign in a RE40-1-H zone.
- Certification of an Environmental Impact Report.
- Review and approval from the Mulholland Scenic Parkway Design Review Board for the proposed outdoor Aquatic Center in the Mulholland Scenic Parkway Specific Plan area.
- Demolition permits to remove approximately 26,350 square feet of existing buildings, as required.
- Grading, excavation, foundation, and associated building permits, as required.
- Building permits and Temporary Certificates of Occupancy for modular classroom facilities to be used during construction.
- Potential modification of building ordinances to allow the outdoor Aquatic Center to cross property lines.
- Other permits and approvals by the Regional Water Quality Control Board (RWQCB) and other agencies as deemed necessary.

ATTACHMENT B
EXPLANATION OF CHECKLIST DETERMINATIONS

The following discussion provides responses to each of the questions set forth in the City of Los Angeles (City) Initial Study and Checklist. The responses below indicate those issues that are expected to be addressed in an Environmental Impact Report (EIR) and demonstrate why other certain issues will not result in a potentially significant environmental impact and thus do not need to be addressed further in an EIR. The questions with responses that indicate a "Potentially Significant Impact" do not presume that a significant environmental impact would result from the project. Rather, such responses indicate those issues that will be addressed in an EIR with conclusions of impact reached as part of the analysis within that future document.

I. AESTHETICS

a. Would the project have a substantial adverse effect on a scenic vista?

Potentially Significant Impact. The project site is located within a canyon setting on the north side of the Santa Monica Mountains, north of Mulholland Drive. Within the project area, Mulholland Drive has been designated as a Scenic Parkway, and the southern portion of the site falls within the "Outer Corridor" of the Mulholland Scenic Parkway Specific Plan (MSPSP) area (discussed further below). The project site is surrounded on the north and west by residential uses, and to the east and south by generally undeveloped land owned by the Santa Monica Mountains Conservancy (SMMC). Additional residential uses are located to the east and south of this land. Due to the project's location at the base of the Santa Monica Mountains, the topography in the area varies greatly. Views from the surrounding residential properties, adjacent roadways, and Mulholland Drive may be altered as a result of the project. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

b. Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcrops, and historic buildings, or other locally recognized desirable aesthetic natural feature within a city-designated scenic highway?

Potentially Significant Impact. Within the project area, Mulholland Drive, Beverly Glen Boulevard and Coldwater Canyon Avenue have been designated as Scenic Highways in the

Transportation Element of the City of Los Angeles General Plan.[1] In addition, the MSPSP provides guidelines for the preservation of the scenic views and resources that exist within the MSPSP area. Due to the project site's location in the Santa Monica Mountains, there is a potential for scenic resources to be located within the project site, including trees, rock outcrops, and prominent ridges. Thus, the project could potentially affect such resources. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project substantially degrade the existing visual character or quality of the site and its surroundings?

Potentially Significant Impact. The proposed Campus Enhancement Plan (Enhancement Plan or the project) involves renovation of and addition to some existing structures and the construction of new educational facilities on generally previously disturbed areas on campus. To the extent possible, the project would be integrated with the existing visual character of the site. The project would be proactive in maintaining the existing vegetation on the adjacent hillsides to the extent possible and establishing new landscaping that would generally use native California plants. During implementation of the Enhancement Plan, areas of existing landscaping would be removed, new structures would be built, an internal pedestrian-oriented walkway/fire access road would be constructed, and certain areas of existing hardscape would be replaced by landscaping and open space. Although these enhancements would be integrated into the existing setting, the project would result in visual changes within portions of the campus.

Due to the canyon setting of The Buckley School (School), several of the adjacent residences have full or partial views of the existing campus. Some of the single-family residences are visually shielded by vegetation—both natural hillside vegetation and campus landscaping—while others are situated at vantage points that provide direct views of the entire canyon, including the School. Additionally, the southern portion of the School's property is located within the Outer Corridor of the MSPSP. Maintaining scenic views and the visual character of the area is a goal of the MSPSP. Therefore, project consistency with guidelines established by the MSPSP, the City of Los Angeles General Plan, and the local Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass Community Plan has been taken into account in the design of the proposed structures and landscaping. While the project is not anticipated to substantially degrade the existing visual character or quality of the site and the surrounding area, the project will nonetheless result in visual changes. Therefore, it is recommended that this issue

[1] *City of Los Angeles Planning Department, General Plan Transportation Element, Scenic Highways Map, 1998.*

be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Potentially Significant Impact. Due to the proposed improvements to the School under the Enhancement Plan, new low-level, low-profile security and exit lighting would be installed on the campus. Security lighting would be placed in blind alleys and other low-use areas as necessary. Additional nighttime illumination would be required for the limited purpose of providing pedestrian and parking safety for the students, staff, and faculty. The Enhancement Plan may also introduce new reflective surfaces, such as windows and metallic features, which could result in a new source of glare to surrounding sensitive receptors (i.e., residences). Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

II. AGRICULTURAL RESOURCES

a. Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, as shown the maps prepared pursuant to the Farmland Mapping Monitoring Program of the California Resources Agency, to non-agricultural uses?

No Impact. There is no Prime Farmland, Unique Farmland, or Farmland of Statewide Importance within The Buckley School site. In addition, no agricultural or related activities occur on the site. Therefore, no impacts to farmland would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

b. Would the project conflict with existing zoning for agricultural use, or Williamson Act contract?

No Impact. The School site is zoned RE-40-1-H (Residential Estate, Height District 1, Hillside). Pursuant to the City of Los Angeles Planning and Zoning Code, agricultural uses are not permitted under this zoning designation. In addition, no agricultural uses are present on the site or in the vicinity, and no lands within the project site are under Williamson Act contract. The proposed Aquatic Center may potentially be built in the location of the existing outdoor basketball and weight facility located at the northeast corner of the athletic field, utilizing a portion of land currently owned by the SMMC, subject to future negotiations with SMMC. This land area, which currently includes a long-standing encroachment of School athletic facilities as well as trails and unoccupied open space, is zoned Agricultural (A-1). This area does not serve

nor has it in the past served any agricultural purpose or been included in any Williamson Act program. Thus, regardless of whether the Aquatic Center is built wholly on the existing Buckley campus or on SMMC land, no conflicts with agricultural uses or with Williamson Act contracts would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

c. Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use?

No Impact. The project consists of the construction of several new buildings and the renovation of or addition to certain other facilities on the existing campus. As there is no farmland in the vicinity of the project, no impacts associated with the conversion of Farmland would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

III. AIR QUALITY

a. Would the project conflict with or obstruct implementation of the South Coast Air Quality Management District (SCAQMD) Plan or Congestion Management Plan?

Potentially Significant Impact. The State and Federal governments have set health standards for air pollutants, specifying levels beyond which the air is deemed unhealthful. The project site is located in the South Coast Air Basin (Basin) and is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The Basin is currently in non-attainment for ozone (O_3) and fine particulate matter (PM_{10}) based on Federal, and thus State, air quality standards, as the State standards for California are more stringent than the Federal standards.[2] Together with the Southern California Association of Governments (SCAG), SCAQMD is responsible for formulating and implementing air pollution control strategies throughout the Basin. The Regional Air Quality Management Plan (AQMP) was adopted by SCAQMD in 2003 to establish a comprehensive air pollution control program that would lead to the attainment of State and Federal air quality standards.

As the project could result in increases in air emissions from construction, vehicle trips, and stationary sources, it could potentially affect implementation of the AQMP. In addition, as

[2] *In addition, the Basin's official attainment status for carbon monoxide (CO) has not yet been reclassified by the U.S. Environmental Protection Agency (USEPA), although the Basin has technically met the national CO standards for attainment since 2002.*

the project could potentially add vehicle trips to the surrounding roadways during construction and future operations, impacts relative to consistency with the Congestion Management Program (CMP) set forth by the Los Angeles County Metropolitan Transportation Authority (MTA) could occur. Therefore, it is recommended that these issues be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

b. Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Potentially Significant Impact. As discussed in Response III.a. above, the project site is located within the Basin, which is characterized by relatively poor air quality. State and Federal air quality standards are often exceeded in many parts of the Basin, with Los Angeles County among the highest of the counties that compose the Basin in terms of non-attainment of the standards. As the project could result in increased air emissions associated with construction and operation, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the air basin is in non-attainment (ozone, carbon monoxide, and PM_{10}) under an applicable federal or state ambient air quality standard?

Potentially Significant Impact. As stated in Response III.a. above, the Basin is currently in non-attainment for O_3 and PM_{10} based on Federal, and thus State, air quality standards. Since the project could result in increases in air emissions from construction, vehicle trips, and stationary sources, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project expose sensitive receptors to substantial pollutant concentrations?

Potentially Significant Impact. Sensitive receptors in the project vicinity consist primarily of the single-family residences adjacent to the School and along the roadways approaching the campus. On-site sensitive receptors include students, faculty, staff and visitors to the School. Construction and operation of the project could result in increases in air emissions and thus, could impact nearby sensitive receptors. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

e. Would the project create objectionable odors affecting a substantial number of people?

Less Than Significant Impact. Objectionable odors are typically associated with industrial projects involving the use of chemicals, solvents, petroleum products, and other strong-smelling elements used in manufacturing processes. Objectionable odors are also associated with such uses as sewage treatment facilities and landfills. Activities and materials associated with construction of the project would be typical of construction projects of similar type and size. Very limited odors associated with project operation could be generated by on-site waste generation and storage, the use of certain cleaning agents, and landscaping activities and would be consistent with existing conditions for an operating school. Any odors that may be generated during construction or operation of the project would be localized and temporary in nature, and would not be sufficient to affect a substantial number of people or result in a nuisance as defined by SCAQMD Rule 402. Thus, impacts associated with the creation of objectionable odors would be less than significant. Further analysis of this issue is not recommended and no mitigation measures would be required.

IV. BIOLOGICAL RESOURCES

a. Would the project have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Potentially Significant Impact. The proposed Enhancement Plan would result in the development and improvement of buildings on areas of the campus that are generally already disturbed. The existing developed areas of the campus are presently landscaped with predominately non-native species, while the adjacent slopes include natural vegetation. Although no clearly visible presence of endangered species have been observed on-site, a biological survey will be conducted and will include a review of all available and relevant data on the biological characteristics of the site as well as a physical site assessment to identify any candidate, sensitive, or special status species that may exist on the project site. In addition, the biological survey will assess the potential impacts associated with on-site oak trees, which are regulated by the City of Los Angeles Oak Tree Ordinance, in addition to any black walnuts, western sycamores and/or California bay trees that may exist on-site. As such, it is recommended that these issues be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

b. Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in the City or regional plans, policies, or regulations by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Potentially Significant Impact. The areas of the project site to be developed and improved are generally characterized by the presence of structures, ornamental landscaping, hardscape, and paving. However, portions of several of the proposed structures may be located in areas of the site that include native and non-native vegetation. Additionally, the site contains three natural drainages that contain some riparian habitat. Thus, the biological survey to be prepared will assess whether the project would have any direct or indirect impacts on potentially sensitive natural communities or riparian resources within the project area. It is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Potentially Significant Impact. As indicated above, the project would generally be constructed within areas of the campus that are developed, graded, and/or landscaped and are not expected to contain any federally protected wetlands as defined by Section 404 of the Clean Water Act. However, a biological survey will be conducted in order to determine conclusively whether wetlands are present on the project site. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Potentially Significant Impact. The project site is located in the northern portion of the Santa Monica Mountains and is surrounded by developed areas to the north and west and undeveloped land to the south and east. Within the Santa Monica Mountains, native wildlife is still supported and animals are known to migrate through this transverse range. Although the project site is developed, a biological survey will be conducted to assess the potential for native or migratory wildlife species to be affected by the project. Thus, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

e. Would the project conflict with any local policies or ordinances protecting biological resources, such as tree preservation policy or ordinance (e.g., oak trees or California walnut woodlands)?

Potentially Significant Impact. As stated above, a biological survey will be conducted to assess any potential impacts to biological resources located within the project site, including potential impacts to oak trees, which are regulated by the City's Oak Tree Ordinance, as well as any black walnuts, western sycamores and/or California bay trees that may exist on-site. Therefore, it is recommended that the potential for the project to conflict with any local policies or ordinances protecting biological resources be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

f. Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The project site is not located within a designated Sensitive Ecological Area (SEA) within Los Angeles County.[3] In addition, there is no adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan in place for the project site. Thus, no conflicts with such a plan would result from implementation of the project and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

V. CULTURAL RESOURCES

a. Would the project cause a substantial adverse change in significance of a historical resource as defined in State CEQA § 15064.5?

No Impact. The existing structures on the campus were completed between 1969 and 1978. Hence, the oldest structures on the campus are approximately 35 years of age. The initial criteria used for evaluation of a structure as an historic resource requires that the structure be at least 50 years of age unless "exceptional" significance is established. Due to the lack of sufficient age and any unique historical/architectural associations, none of the on-site structures appear eligible for Federal, State, or local historical designation, nor are they considered historic resources pursuant to Section 15064.5 of the State CEQA Guidelines. As such, removal or modification of several of the existing on-site structures under the proposed Campus Enhancement Plan would not cause a substantial adverse change in significance of a historic

[3] *County of Los Angeles, Los Angeles County Significant Ecological Area Update Study, November 2000.*

resource. Further analysis of this issue is not recommended and no mitigation measures would be required.

b. Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to State CEQA § 15064.5?

Less Than Significant Impact. The South Central Coastal Information Center (SCCIC) at California State University, Fullerton conducted a review of all previously recorded historic and prehistoric archaeological sites within a one-half mile radius of the project site. The SCCIC also conducted a review of all known cultural resources reports that pertain to the area.[4] This review indicates that there are no recorded prehistoric or historic archaeological resources located within a one-half mile radius of the project site. In addition, any surficial archaeological resources that may have existed at one time have likely been disturbed during previous grading and development of the project site. Additionally, the site of the campus was previously occupied by the Glen-Aire Country Club, and substantial amounts of fill were imported in the past to level and shape the canyon floor for a former golf course. Nevertheless, any accidental discovery of archaeological resources would result in a cease of work in the area and deposits would be treated in accordance with Federal, State, and local guidelines including those set forth in California Public Resources Code Section 21083.2. No additional study of this issue is recommended and further mitigation measures are not required.

c. Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Potentially Significant Impact. Though the project site has been previously disturbed through grading and development, there is the potential of encountering paleontological resources as the project site is underlain by surficial deposits of Quaternary Alluvium supported by bedrock deposits of the marine Late Miocene Modelo Formation.[5] This rock unit has produced several important vertebrate fossils within a half-mile radius of the project site, hence, vertebrate fossils could potentially be encountered during excavation into the hillsides or below the uppermost Quaternary Alluvium. Therefore, further analysis of this issue is recommended and will be documented in an EIR with feasible mitigation measures incorporated, as necessary.

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[4] *South Central Coastal Information Center, California Historical Resources Information System, Records Search for 3900 Stansbury Avenue, Sherman Oaks, CA, Van Nuys 7.5' USGS Quad, September 2003.*

[5] *Natural History Museum of Los Angeles County, Vertebrate Paleontology Section Research, August 2003.*

d. Would the project disturb any human remains, including those interred outside of formal cemeteries?

Less Than Significant Impact. According to the SCCIC, no historic archaeological sites have been identified within a one-half mile of the project site, including formal cemeteries or known burial sites. Therefore, while the project would involve grading and minor excavation in some areas of the campus, the disturbance of human remains is not expected to occur with project implementation. Should human remains be uncovered during construction activities on the project sites, relevant State and Federal guidelines, as well as the procedures outlined in State CEQA Guidelines Section 15064.5(e), would be required to be followed. Thus, impacts associated with the disturbance of human remains would not occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

VI. GEOLOGY AND SOILS

a. Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

(1) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Potentially Significant Impact. According to the California Geologic Survey within the Department of Conservation, the project site is not located within an Alquist-Priolo Earthquake Fault Rupture Hazard Zone.[6] However, active named faults exist within the general vicinity of the project site and include the Northridge Thrust fault, the Hollywood fault, the Malibu Coast fault, and the Newport-Inglewood fault.[7] According to the California Geologic Survey, un-named and potentially active and inactive faults are also located in the general area. Risk associated with seismic activity or earthquake fault rupture from these local faults would exist with or without implementation of the project and would be similar to risks that are present throughout most of southern California. It is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

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[6] *California Department of Conservation, California Geologic Survey, Alquist-Priolo Fault Rupture Hazard Zones Index Map 4D, updated September 26, 2003.*

[7] *California Department of Conservation, California Geologic Survey, Digital Database of Faults from the Fault Activity Map of California and Adjacent Areas, 1994.*

(2) Strong seismic ground shaking?

Potentially Significant Impact. Located in the seismically active southern California region known as California Building Code Seismic Zone IV, the project site would likely experience strong ground motion from earthquakes occurring on neighboring active faults. The nearest locally active fault line is the Northridge fault located approximately 6.5 miles northwest of the School. Although School facilities are currently safely operated on the site under such seismic conditions, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

(3) Seismic-related ground failure, including liquefaction?

Potentially Significant Impact. As delineated on the Van Nuys Seismic Hazard Zone Map, the project site is not located within a liquefaction zone, nor has the City designated any portion of the site for potential liquefaction.[8,9] Additionally, a high groundwater table is not present below the site, and the earth materials are fine grained and not subject to liquefaction. Although seismic-related ground failure such as liquefaction is not anticipated, it is recommended that this issue be analyzed further as part of a broader geotechnical investigation and documented in an EIR, with feasible mitigation measures incorporated, as necessary.

(4) Landslides?

Potentially Significant Impact. The project site is located within a delineated landslide hazard zone as mapped in the Van Nuys Seismic Hazard Zone Map. Although the project's design integrates new construction within the existing topography of the site, the project proposes some modification to the slopes within the project site, and a potentially adverse effect associated with landslides could result. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

b. Would the project result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact. The Enhancement Plan would require approximately 14,400 cubic yards of cut, 14,900 cubic yards of fill, and import of approximately 500 cubic yards. Prior to any soil import and transport around the project site, Best Management Practices (BMPs) outlined in the City of Los Angeles Development Best Management Practices Handbook

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[8] *California Department of Conservation, Division of Mines and Geology, Seismic Hazard Zones, Van Nuys Quadrangle, 1998.*

[9] *Los Angeles, City of, Safety Element of the Los Angeles City General Plan, 1996.*

would be implemented during the construction phase of every project component. In accordance with National Pollutant Discharge Elimination System (NPDES) permit requirements, a Storm Water Pollution Prevention Plan (SWPPP) would be required. This SWPPP would include BMPs and erosion control measures to reduce pollution in storm water discharge to levels that comply with applicable water quality standards. In addition, as discussed below in detail in Section VIII, Standard Urban Stormwater Mitigation Plan (SUSMP) provisions would be implemented throughout the operational life of the project that would assist in reducing on-site erosion. Implementation of regulatory requirements would reduce the potential for soil erosion to below significant levels. Therefore it is not recommended that this issue be analyzed further, nor is mitigation necessary.

c. Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslides, lateral spreading, subsidence, liquefaction, or collapse?

Potentially Significant Impact. As discussed in Response VI.a.(4), the site is located in a delineated landslide zone and is known to contain fill soils. Therefore, it is recommended that impacts related to unstable geologic units or soils be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

Potentially Significant Impact. Expansive soils are typically associated with fine-grained clayey soils that have the potential to shrink and swell with repeated cycles of wetting and drying. As the nature of the soil structure on the project site is not known at this time, it is recommended that the potential for impacts related to expansive soils be further analyzed and documented in an EIR with feasible mitigation measures incorporated, as necessary.

e. Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

No Impact. The project site would be served by existing sewer infrastructure and no septic tanks or alternative wastewater disposal systems would be required. As such, no impacts associated with the ability of the soils to adequately support the use of such systems would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

VII. HAZARDS AND HAZARDOUS MATERIALS

a. Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

No Impact. Typical of educational uses, operation of the project would involve the use and storage of small quantities of potentially hazardous materials in the form of cleaning solvents and pesticides for landscaping, consistent with existing operations on the site. All potentially hazardous materials would be contained, stored, and used in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. Any associated risk would be adequately reduced to a less than significant level through compliance with these standards and regulations. During project operations, limited amounts of chemicals could also be used in conjunction with the School's science labs, as occurs under existing conditions. Existing school policy prohibits the disposal of corrosive materials in the plumbing system. As is done currently, under the project any material that is used in class experiments or demonstrations would continue to be properly stored on-site temporarily and ultimately removed and disposed of by a licensed vendor under contract to the School.

Based on the above, the project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials and no impacts would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

b. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Potentially Significant Impact. As discussed in Response VII.a., above, typical of educational uses, operation of the project would involve the use and storage of small quantities of potentially hazardous materials. All potentially hazardous materials would be contained, stored, and used in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. Any associated risk would be adequately reduced to a less than significant level through compliance with these standards and regulations.

Construction of the Enhancement Plan could also involve the on-site use of diesel or petrochemical fuels and other materials typical of construction-related activities. As with operation of the project, all potentially hazardous materials used during construction would be contained, stored, and used in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. Any associated risk would be adequately reduced to a less than significant level through compliance with these standards and regulations.

Additionally, other hazardous materials may be present in the buildings on the existing campus, as a result of the timeframe in which they were constructed. The existing structures on the campus were constructed in the late 1960's to late 1970's (prior to regulation of certain hazardous materials in 1979). As such, asbestos-containing materials (ACM) are present in some buildings on-site. However, an Operations and Maintenance Program for Asbestos-Containing Materials has been completed and implemented for the project site.[10] This program includes initial cleaning requirements that have been implemented, routine inspection procedures, and removal procedures, all of which ensure that staff and students do not come into contact with ACM. Previous survey activities have indicated that lead-based paints (LBPs) are not present on-site.[11] In the event that ACM are encountered during demolition, an ACM survey would be required in accordance with SCAQMD Rule 1403. Any removal of these materials would be performed by a State-certified asbestos containment contractor. These materials would be disposed of in a Class 1 landfill, as outlined under City of Los Angeles rules and regulations. Mandatory compliance with applicable standards and procedures would reduce risks associated with ACM to acceptable levels. As such, no impacts associated with the removal of these materials during demolition would occur.

The site does contain underground storage tanks (USTs) that are no longer utilized. Therefore, it is recommended that further analysis of this issue be included in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. Other than the School itself, there are no schools located within one-quarter mile of the project site. As discussed above, the project would include only limited use of hazardous materials in the form of cleaning solvents and pesticides, similar to the materials presently used by the School and residential uses in the area or limited use in science classrooms consistent with existing use. Students, faculty, and staff of the School would not be at risk due to the use of these materials, as such use would occur in accordance with applicable standards and regulations. No acutely hazardous materials, substances, or waste would be handled on-site subsequent to project implementation. Therefore, no impacts related to the emissions or handling of hazardous materials would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

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[10] *Operations and Maintenance Program for Asbestos Containing Materials for the Buckley School, last updated September 8, 2004.*

[11] *Personal communication with Curtis Covington, Plant Facilities Supervisor at The Buckley School., October 19, 2004.*

d. Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment?

No Impact. The project site has been used as a school since the late 1960's and was a country club prior to its existing use. The site is not included on a list of hazardous materials sites pursuant to Government Code Section 65962.5 and does not represent a significant hazard to the public or to the environment. Therefore, the project would not create a significant hazard to the public or the environment and no impacts would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

No Impact. The project site is not located within an airport land use plan or within two miles of a public airport or public use airport. The nearest public airport is the Van Nuys Airport, which is located approximately 5 miles northwest of the site. Thus, no safety hazard impacts related to airports would result. Further analysis of this issue is not recommended and no mitigation measures would be required.

f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for the people residing or working in the area?

No Impact. The project is not within the vicinity of a private airstrip and therefore would not result in a safety hazard for people residing or working in such an area. Thus, no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

g. Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

No Impact. Primary access to the project site is provided from Stansbury Avenue, which can be accessed from several minor and major local surface streets including Ventura Boulevard and Valley Vista Boulevard via Beverly Glen and Ventura Boulevards. Emergency access is also available via Camino De La Cumbre to the west of the site.

Construction and operation of the project would not result in the temporary or permanent closure any of the aforementioned streets or any other street in the vicinity. Construction

activities and staging areas would be confined to the project site so as not to physically impair access to and around the site. In addition, on-site access improvements would reduce queuing in the project area, thus improving access within the project vicinity. Furthermore, the School would modify its emergency response and evacuation procedures to accommodate the proposed improvements. No significant impacts to an emergency response plan or emergency evacuation plan would occur. Further analysis of this issue is not recommended and no mitigation measures would be required

h. Would the project expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

No Impact. The project site is located within the Very High Fire Hazard Severity Zone as defined in the City of Los Angeles Municipal Code.[12] Much of the surrounding hillside areas that are within the Santa Monica Mountains are also within this zone. Due to the School's location in the Very High Fire Hazard Severity Zone, the site is subject to certain requirements such as brush clearing regulations, greenbelt requirements, and the use of fire resistant plants and materials to reduce the potential for wildland fires to spread. Furthermore, the Municipal Code outlines safety standards to further reduce any potential impacts associated with wildland fires. Standard fire protection devices, including fire hydrants and sprinklers, would be incorporated as part of the project, and appropriate emergency evacuation procedures would be adopted to ensure the safety of students, faculty, staff, and visitors of the School. Specifically, the project would involve the relocation of two existing fire hydrants and the introduction of four new hydrants, subject to review and approval by the Los Angeles Fire Department (LAFD). As such, the project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

VIII. HYDROLOGY AND WATER QUALITY

a. Would the project violate any water quality standards or waste discharge requirements?

Less Than Significant Impact. Project-related construction activities have the potential to affect surface water quality as the result of minor soil erosion (during grading and soil stockpiling), subsequent siltation, and conveyance of other pollutants into municipal storm drains

[12] *The Very High Fire Hazard Severity Zone replaced the Mountain Fire District and Fire Buffer Zone as established in the Los Angeles Municipal Code, Chapter 5, Article 7, Section 57.25, 1999 and identified in the Safety Element of the Los Angeles City General Plan. The boundary of the district remains the same.*

during the project construction phase. In accordance with regulations set forth by the Los Angeles Regional Water Quality Control Board (RWQCB) and the City of Los Angeles, project construction activities would require a Notice of Intent to comply with the State Construction Activity General NPDES Permit (Order No. 99-08-DWQ). As part of these requirements, preparation of a Storm Water Pollution Prevention Plan (SWPPP) would be required. The SWPPP would include BMPs and erosion control measures to reduce pollution in storm water discharge to levels that comply with applicable water quality standards.

In addition, as indicated above, project operations would comply with the City's Standard Urban Storm Water Management Plan (SUSMP) requirements. Under the SUSMP, the project would be required to ensure that post-development peak storm water runoff discharge rates would not exceed the estimated pre-development rates such that there would be an increased potential for downstream erosion. The SUSMP requirements also include, but are not limited to, the following: minimizing storm water pollutants of concern; providing storm drain system stenciling and signage; containing properly designed outdoor material storage areas; containing properly designed trash storage areas; and providing proof of ongoing BMP maintenance. On-site parking facilities, to the extent applicable, would be required to: infiltrate runoff before it reaches the storm drain system; treat runoff before it reaches the storm drain system; treat to remove oil and petroleum hydrocarbons; and ensure adequate operation and maintenance of treatment systems. Implementation of these SUSMP requirements would ensure that operation of the project would not violate any water quality standards or waste discharge requirements. Compliance with relevant State and local regulations would ensure that the project would not violate any water quality standards or waste discharge requirements. Impacts would be less than significant and no mitigation measures would be necessary.

b. Would the project substantially deplete groundwater supplies or interfere with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned land uses for which permits have been granted)?

Less Than Significant Impact. The project site is located in the Santa Monica Mountains and is well beyond the regional groundwater basin and the spreading ground for groundwater recharge.[13] Groundwater levels in the City of Los Angeles are maintained through an active process via spreading grounds and recharge basins. Although open spaces do allow for seepage of water into smaller unconfined aquifers, the larger groundwater sources within the City of Los Angeles are actively recharged and supply the City with approximately 14 percent of

[13] *Los Angeles Citywide General Plan Framework, Draft Environmental Impact Report, Figure WR-1, January 1995.*

its water supply.[14] Additionally, groundwater use is regulated by the City of Los Angeles, and most private wells have been capped and/or abandoned within the City boundary. The introduction of new landscaping, hardscape features, and changes in building footprints resulting from the Enhancement Plan is expected to have a negligible effect (i.e., a change of less than one percent) on the amount of pervious surface area on-site. These alterations would not be sufficient to substantially interfere with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table. Therefore, impacts associated with groundwater supplies or groundwater recharge would be less than significant. Further analysis of this issue is not recommended and mitigation measures would not be required.

c. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?

Potentially Significant Impact. Although any change in impervious surfaces resulting from project development would be minor, the amount of runoff originating from the site may be affected. This change in runoff quantities and the potential to locate new structures within areas of the site containing drainage features could alter existing drainage patterns. During construction, erosion could affect water quality; however, as indicated above, compliance with the State Construction Activity General Permit (Order No. 99-08-DWQ), including the preparation of a SWPPP, implementation of erosion control BMPs, and compliance with the City's grading permit regulations, would reduce pollution impacts associated with on- and off-site erosion and siltation to less than significant levels. In addition, during the operational phase of the project, SUSMP provisions would be implemented that would assist in reducing on- and off-site erosion and siltation.

Nonetheless, given the potential alteration of drainage patterns, it is recommended that further analysis of this issue be conducted and addressed in an EIR with feasible mitigation measures incorporated, as necessary.

[14] *City of Los Angeles Department of Water and Power, Urban Water Management Plan Fiscal Year 2002-2003, available at http://www.ladwp.com/ladwp/cms/ladwp005428.pdf, accessed September 12, 2005.*

d. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site.

Potentially Significant Impact. As discussed above, implementation of the Enhancement Plan would result in a minor change in the amount of impervious surfaces within the project site. This could result in a slight change in the amount of surface water runoff from this site. Any increase in the amount of runoff originating from the site could potentially result in an increase in localized flooding on- and off-site. In addition, as discussed above, the potential to locate new structures within areas of the site containing drainage features could alter existing drainage patterns. Thus, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

e. Would the project create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Potentially Significant Impact. As indicated above, implementation of the project could result in a change in storm water runoff quantities. Although relative to storm drain capacity this change would not be substantial, the potential to locate new structures within areas of the site containing drainage features could alter existing drainage patterns. Therefore, further analysis of drainage issues in an EIR is recommended with feasible mitigation measures incorporated, as necessary

f. Would the project otherwise substantially degrade water quality?

Less Than Significant Impact. As indicated above, with compliance with State and local agencies regarding water quality during construction and subsequent operation of the project, significant impacts associated with polluted runoff would not occur. Further analysis of this issue is not recommended and no mitigation measures are necessary.

Polluted runoff would be treated through preparation of a SWPPP, in accordance with the Construction Activity General Permit (Order No. 99-08-DWQ), and SUSMP provisions during the operational life of the project. As such, it is anticipated that the project would not result in substantial additional sources of polluted runoff and no significant impact would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

g. Would the project place housing within a 100-year flood plain as mapped on federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

No Impact. The project does not propose development of residential housing, nor is the project located with a 100-year flood plain.[15] Accordingly, no impacts associated with flooding would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

h. Would the project place within a 100-year flood plain structures which would impede or redirect flood flows?

No Impact. The project is not located within a 100-year flood plain.[16] Therefore, no impacts associated with placement of a structure within a 100-year flood plain would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

i. Would the project expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?

Potentially Significant Impact. There is an existing drainage feature that flows into the southern end of the property. Portions of the campus may be subject to localized flooding during a storm event. In addition, as discussed above, the potential to locate new structures within areas of the site containing drainage features could alter existing drainage patterns. As such, analysis of drainage, including the potential for localized flooding, is recommended in an EIR, with feasible mitigation measures incorporated, as necessary.

The project site is not, however, located within a dam failure area as delineated on the Los Angeles County Inundation Hazard Area Map.[17] Therefore, the campus is not at risk of inundation from flooding as a result of a dam failure. Further analysis of this sub-issue is not required.

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[15] *City of Los Angeles, Safety Element of the Los Angeles City General Plan, Safety Element Exhibit F, November 1996.*

[16] *Ibid.*

[17] *County of Los Angeles, General Plan Safety Element, Inundation Hazard Area Map, 1993.*

j. Would the project cause inundation by seiche, tsunami, or mudflow?

Potentially Significant Impact. The project site is approximately 10 miles from the Pacific Ocean at an elevation of approximately 750 feet above mean sea level and higher. Therefore, tsunamis (seismic sea waves) are not considered a hazard at the site. Furthermore, according to the County Seismic Safety Element (1990), the site is not located downslope of a large body of water that could adversely affect the site in the event of earthquake induced failures or seiches. Mudflows usually result when surface water runoff is allowed to overtop a slope or drainage and infiltrate the upper soils, thereby over-saturating the soils and causing them to move down slope. Although mudflows are not expected to result from the implementation of the project, due to the canyon setting of the campus further analysis of this issue is recommended as part of the drainage analysis to be included in the EIR, with feasible mitigation measures incorporated, as necessary.

IX. LAND USE AND PLANNING

a. Would the project physically divide an established community?

No Impact. The project is located within the Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass Community Plan area of the City of Los Angeles, with a portion of the southern end of campus located within the Outer Corridor of the MSPSP. Single-family residences are located north and west of the site. The project would take place on the existing School campus that has been in its present location since the late 1960's. Therefore, the project would not modify or physically divide an established community, and no impacts would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

b. Would the project conflict with applicable land use plan, policy or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

Potentially Significant Impact. Locally, development of the project site and surrounding area is guided by the Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass Community Plan, which implements specific land use policy standards of the Los Angeles Citywide General Plan Framework and identifies private school uses on the project site. In addition, as indicated above, a portion of the southern end of campus is located within the Outer Corridor of the MSPSP. Regionally, development of the project site is guided by the policies set forth in SCAG's Regional Comprehensive Plan and Guide (RCPG), which is intended to serve as a framework for decision-making with respect to the growth and changes that can be anticipated through the year 2015. The project site is zoned RE-40-1-H (Residential Estate, Height District

1, Hillside) pursuant to the City of Los Angeles Planning and Zoning Code. The project site is currently the subject of a Conditional Use Permit (CPC 179967), which addresses uses and structures permitted on the site. It is recommended that the project's consistency with each of the applicable plans, as well as existing zoning regulations, be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project conflict with any applicable habitat conservation plan or natural community conservation plan?

No Impact. The majority of the area proposed for development within the project site has been previously developed, graded and used for educational uses since the late 1960's. The project site is not located within a designated SEA within the Los Angeles County.[18] There is no adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan in place for the project site. Thus, no conflicts with such a plan would result from implementation of the project and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required. However, as indicated above in Section IV, Biological Resources, analysis of potential impacts to biological resources would be addressed as part of an EIR, with feasible mitigation measures incorporated, as necessary.

X. MINERAL RESOURCES

a. Would the project result in the loss or availability of a known mineral resource that would be of value to the region and the residents of the state?

No Impact. The project site is not listed as a potential or existing mineral resource extraction area for the State of California.[19] Additionally, the project site's land use, as defined by the City of Los Angeles General Plan and the Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass Community Plan, is not designated as a mineral extraction land use. Therefore, the chances of uncovering mineral resources during construction and grading would be minimal. As such, implementation of the project would not result in the loss or availability of a known mineral resource that would be of value to the region and the residents of the State, and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required

[18] *County of Los Angeles, Los Angeles Significant Ecological Area Update Study, November 2000.*

[19] *California Department of Conservation, Division of Mines and Geology/U.S. Geologic Survey, Minerals Yearbook: The Mineral Industry of California, 2001.*

b. Would the project result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No Impact. As stated in Response X.a. above, the project site is not located within a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan. In addition, as indicated above, the project would generally be constructed on previously graded land. As such, the chances of uncovering mineral resources during construction and grading would be minimal. Therefore, implementation of the project would not result in a loss of any locally important mineral resources and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

XI. NOISE

a. Would the project result in the exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Potentially Significant Impact. The project could result in an increase in noise levels associated with construction and operation of the project. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

b. Would the project result in the exposure of people to or generation of excessive groundborne vibration or groundborne noise levels?

Potentially Significant Impact. Operation of the project would not result in the generation of excessive groundborne vibration or noise. However, short-term groundborne noise and vibration could result from project-related construction activities. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

Potentially Significant Impact. As noted above, the project would involve the construction of several new buildings and the renovation of existing buildings. Proposed operations under the project are consistent with the existing school uses on-site; however, given

the proximity of the project to single-family homes and the hillside nature of the project site and surrounding area, it is recommended that the potential for project operations to result in a substantial, permanent increase in noise levels be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

Potentially Significant Impact. Construction of the project could result in a temporary or periodic increase in ambient noise levels above those present without the project. It is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The project is not located within an airport land use plan or within two miles of a public airport or public use airport. The nearest airport to the project is the Van Nuys Airport, located approximately 5 miles to the northwest of the project site. Therefore, the project would not expose people to excessive noise levels from airport operations and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The project site is not located within the vicinity of a private airstrip. As discussed in Response XI.e. above, the nearest airport to the project site is the Van Nuys Airport, located approximately 5 miles to the northwest of the project site. Therefore, the project would not expose people to excessive noise levels associated with the operation of a private airstrip and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

XII. POPULATION AND HOUSING

a. Would the project induce substantial population growth in an area either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

No Impact. The project does not involve the construction of new residences. As such, implementation of the project would not generate a direct increase in the permanent population of the area or cumulatively exceed official regional or local population projections. Under the project, permitted enrollment for the proposed facility would increase, over an approximate 8-year timeframe, from the existing 750 students to 830 students. New enrollment would begin in the 2007–2008 school year with an initial increase of 20 students. A phased enrollment increase of 20 students per year would follow beginning in the 2012–2013 school year and continuing for three years, until the maximum enrollment cap of 830 students is reached in the 2014–2015 school year, representing a total increase of 80 students. With this modest enrollment increase of approximately 10.7 percent, the project would not induce population growth either directly or indirectly in the area surrounding the School.

The Enhancement Plan also anticipates a total of approximately 117 full-time and 8 part-time faculty members (approximately 121 full-time equivalent (FTE)) in the future (i.e., an increase from the existing 109 full-time, 8 part-time, or estimated 113 FTE faculty members). The administration/staff would also increase by up to eight employees to approximately 51 full-time and 2 part-time staff members (approximately 51 FTE).[20] This increase in employment would be well within the employment forecast set forth by SCAG. Furthermore, while not expected, any potential induced residential growth in the area resulting from the new employment opportunities on-site would not be substantial. In addition, no new roadways or other major infrastructure that would serve an area beyond the project site would be constructed as part of the project. Thus, no impacts associated with induced population growth would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

b. Would the project displace substantial numbers of existing housing necessitating the construction of replacement housing elsewhere?

No Impact. There are no existing residential units within the project site. Therefore, implementation of the project would not result in the displacement of any housing, including affordable housing, nor would it necessitate the construction of replacement housing. No

[20] *These numbers include the facilities and maintenance staff, which totals approximately 22 employees.*

impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

c. Displace substantial numbers of people necessitating the construction of replacement housing elsewhere?

No Impact. As stated in Response XII.b. above, there are no existing housing units within the project site. Therefore, the project would not result in the displacement of people, nor would it necessitate the construction of replacement housing elsewhere. No impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

XIII. PUBLIC SERVICES

a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

(1) Fire protection?

Less Than Significant Impact. Fire protection and emergency medical services are provided by the Los Angeles Fire Department (LAFD). Two LAFD fire stations would continue to provide fire protection to the School in an emergency situation. The Beverly Glen Station (No. 99) is located approximately 2.4 miles southeast of the site at 14145 Mulholland Drive. This fire station includes an assessment engine, a paramedic ambulance, a brush patrol unit, and an arson investigation unit.[21] The Studio City Station (No. 78), located approximately 1.68 miles northeast of the site at 4230 Coldwater Canyon Avenue, is a single engine company with a rescue unit. The project site is located in the Very High Fire Hazard Severity Zone, as defined in the City of Los Angeles Municipal Code.[22] As such, the site is subject to more stringent fire prevention requirements than other areas outside of the district. Such requirements include the use of fire resistant plants and materials, the regular clearing of brush, and greenbelt standards. The Very High Fire Hazard Severity Zone contains a higher concentration of fire stations as compared to other areas.

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[21] *Los Angeles City Fire Department, Fire Station & Equipment Directory, http://members.aol.com/lafdweb/, accessed January 2006.*

[22] *Los Angeles Municipal Code, Chapter 5, Article 7, Section 57.25.*

LAFD evaluates the demand for fire prevention and protection services on a project-by-project basis to determine if additional equipment, personnel, or facilities are warranted.[23] The project would not result in a substantial increase in faculty or students within the immediate project area, therefore existing fire service levels in the area would not be significantly affected. The project would result in a net increase of approximately 69,500 square feet of building area. All of the new buildings would include fire sprinklers, fire alarm devices, and all other approved fire safety technologies in compliance with local and State code requirements for "E" occupancies (including NFPA 101 – State Fire Code). As discussed above, the project would involve the relocation of two existing fire hydrants and the introduction of four new hydrants on-site, subject to review and approval by LAFD. In addition, the proposed pedestrian walkway traversing the interior of the campus would provide emergency access through the site, allowing LAFD to adequately respond to potential on-site emergencies throughout the site.

Based on the above, the project would not necessitate the addition of a new fire station or an alteration in equipment or personnel. Thus, impacts on fire protection services would be less than significant. Further analysis of this issue is not recommended and no mitigation measures would be required.

(2) Police protection?

No Impact. The project site is served by the Los Angeles Police Department (LAPD), Valley Bureau, Van Nuys Community Police Station, located at 6240 Sylmar Avenue. The campus includes a guard house at the Stansbury Avenue entrance where campus security monitors the ingress and egress of vehicles into the campus, providing for controlled access. The campus is currently monitored by a team of security personnel, and it is anticipated that no additional security employees would be added as a result of the project. Although the Enhancement Plan proposes an increase of 80 students, eight faculty, and eight staff over an 8-year timeframe, given the continued security provisions on-site, such increases would not have a substantial impact on police protection services, including the need for additional or altered LAPD facilities, equipment, or officers. Therefore, impacts to police protection services would be less than significant. Further analysis of this issue is not recommended and no mitigation measures would be required.

(3) Schools?

Less Than Significant Impact. Los Angeles Unified School District (LAUSD) provides public school services in the project area. The project does not involve the construction of new

[23] *City of Los Angeles, Citywide General Plan Framework, December 1996.*

dwelling units. Therefore, a direct impact on the demand for additional classroom space within LAUSD or any other school district would not occur. Any potential indirect impact on public school facilities resulting from the potential for eight new faculty and eight new staff to relocate to the area and generate a need for additional public school facilities would be inconsequential. Specifically, based on the student generation rates for new non-residential development set forth in the School Fee Justification Studies prepared in 2002 for LAUSD, the project would generate approximately one student within LAUSD boundaries. Furthermore, the project would provide permanent, upgraded, and expanded school facilities, which would allow the School to continue and enhance its educational programs, resulting in a beneficial impact associated with school facilities. As such, the project would not result in a need for new or altered public school facilities and no significant impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

(4) Parks?

No Impact. Implementation of the project would not physically impact parks or recreational facilities in the project vicinity. The School currently provides its students with recreational/athletic facilities on campus and would continue to do so subsequent to implementation of the project. For athletic events that the school cannot accommodate, the School currently uses off-site parks for athletic matches and team practices (e.g., tennis and cross-country teams). Use of off-site parks by the tennis and cross-country teams would continue after implementation of the project. Additionally, implementation of the Enhancement Plan would enhance the existing recreational/athletic facilities on-site. Furthermore, the project does not include the construction of new residences, which typically generate a direct demand for parks. Since implementation of the Enhancement Plan would not generate new demand for existing parks or require the development of new parks in the adjacent vicinity, no impact on parks within the project vicinity would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

(5) Other governmental services (including roads)?

No Impact. The project would result in the continued need for other governmental services, including roads. As discussed in Section XV, Transportation/Circulation, implementation of the project would result in additional vehicle trips associated with construction and operation. However, the additional use of roadways would not be excessive and would not necessitate the upkeep of such facilities beyond normal requirements. Therefore, the project would not have an effect upon or result in a need for new or altered government services and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

XIV. RECREATION

a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

Less Than Significant Impact. Implementation of the project would not introduce any residential uses that would increase the demand for neighborhood or regional parks or other recreational facilities. As stated above in Response XIII.a.4., the School currently provides students with recreational/athletic facilities on campus, with limited use of public parks or other private recreational facilities by the tennis and cross-country teams. Use of off-site facilities by these teams would continue after implementation of the project. Any use of additional off-site facilities by athletic teams during project construction would be limited and temporary. Additionally, implementation of the project would enhance existing recreational/athletic facilities on-site. Therefore, no impacts associated with new demand for recreational facilities would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

Potentially Significant Impact. The School has an existing athletic field (used for baseball and soccer, among other sports and activities), an indoor competition pool, a weight room, several outdoor basketball courts and various play areas. The Enhancement Plan would maintain these uses, with some relocation of the facilities. Specifically, a new Aquatic Center with an outdoor competition pool would be built. The existing indoor swimming pool (located in the Disney Pavilion) would be removed/filled to provide for an indoor court space once the new pool is completed. Construction of the new facilities could have a physical effect on the environment related to aesthetics, air quality, biological resources, land use, paleontology, geology and soils, hydrology, noise, and traffic. It is recommended that these facilities be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

XV. TRANSPORTATION AND CIRCULATION

a. Would the project cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?

AND

b. Would the project exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?

(a-b) Potentially Significant Impact. Construction of the project would result in a temporary increase in traffic associated with construction-related vehicles. Additionally, the increase of approximately 80 students, eight faculty, and eight staff could potentially generate an increase in vehicle trips on roadways within the project vicinity. Therefore, it is recommended that traffic-related issues, including the potential for the project to cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system, or to exceed, either individually or cumulatively, a level of service standard established by MTA's Congestion Management Plan, be further analyzed and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Would the project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

No Impact. The project is not located within the vicinity of an existing or proposed public or private airstrip. Furthermore, the project would not result in an increase in air traffic levels. As such, the project would not result in a change in air traffic patterns that would result in substantial safety risks and no impacts would occur. Further analysis of this issue is not recommended and no mitigation measures would be required.

d. Would the project substantially increase hazards to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No Impact. The Enhancement Plan proposes improvements within the existing campus, including the provision of additional parking and a more efficient access system. Any potential off-site traffic improvements required as mitigation measures would be completed in accordance with City requirements, which would ensure that such improvements would be designed to avoid hazards. Therefore, the Enhancement Plan would not result in any hazardous design features or

create any incompatible uses. Further analysis of this issue is not recommended and no mitigation measures would be necessary.

e. Would the project result in inadequate emergency access?

Less Than Significant Impact. Emergency access to the site would continue to be provided from Stansbury Avenue and Camino de la Cumbre. As discussed above, the entire project would be developed in accordance with applicable fire safety standards included in the Los Angeles City Fire Code, as well as requirements specific to development within the Very High Fire Hazard Severity Zone, as outlined in the Los Angeles Municipal Code. Included in the fire improvements proposed as part of the project are several fire access roads of appropriate width, including an internal pedestrian walkway that would also provide emergency access. These and other improvements required by LAFD would provide adequate emergency access throughout the site. Therefore, impacts associated with emergency access would be less than significant and no mitigation measures would be required.

f. Would the project result in inadequate parking capacity?

Potentially Significant Impact. The project would include parking improvements that would provide adequate parking for projected faculty, staff, students, and visitors. Given the interest of surrounding land uses in such enhancements, it is recommended that parking be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

g. Would the project conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?

Potentially Significant Impact. The Enhancement Plan would be constructed and operated in compliance with adopted policies, plans, and programs supporting alternative transportation that apply to the project site. This includes compliance with the City of Los Angeles Transportation Demand and Trip Reduction Measures.[24] However, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

[24] *City of Los Angeles Municipal Code, Section 12.26.*

XVI. UTILITIES

a. Would the project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

Less Than Significant Impact. Wastewater treatment services to the project site are provided by the City of Los Angeles Bureau of Sanitation via the Hyperion Treatment Plant. The Hyperion Treatment Plant is designed to treat 450 million gallons per day (mgd), with annual increases in wastewater flows limited to 5 mgd by City Ordinance No. 166,060. Based on a generation factor of 12 gallons per day (gpd) per student, the existing student body of 750 generates approximately 9,000 gpd of wastewater.[25] The Enhancement Plan proposes an increase of 80 students by the 2014–2015 school year resulting in a student population of 830, which would generate approximately 9,960 gpd of wastewater. The existing sewer lines that serve this site are adequate to accommodate the increase.[26] Furthermore, implementation of water conservation measures, such as those required by Titles 20 and 24 of the California Administrative Code, would ultimately reduce wastewater flows. Further analysis of this issue is not recommended and no mitigation measures would be required.

b. 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 could cause significant environmental effects?

Less Than Significant Impact. Water consumption is often calculated for each land use utilizing the wastewater generation factors, multiplied by 125 percent to assume a worst-case scenario for water demand. Using this approach, the 830-student enrollment proposed by the project for the 2014–2015 school year would generate a water demand of approximately 12,450 gpd. Compliance with water conservation measures such as those required by Titles 20 and 24 of the California Administrative Code would help to reduce this projected water demand. The estimated demand for water that would be generated by the project would be accommodated by the existing water infrastructure. Although not anticipated, any necessary relocation of water and wastewater utility lines on-site would occur under the direction of the City of Los Angeles Department of Public Works and would likewise be adequate to accommodate the demands of

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[25] *Wastewater generation rate per the City of Los Angeles CEQA Threshold Guide, Los Angeles Department of Public Works. The high school generation rate of 12 gpd per student was used as opposed to the middle school rate of 8 gpd per student in order to present a conservative analysis. This rate takes into account a wide variety of school-related land uses (classrooms, gymnasium, etc.) as well as associated faculty and staff.*

[26] *Phone conversation with Susan Rocha, City of Los Angeles Bureau of Engineering, Valley District Office, September 10, 2003.*

the project. Further analysis of this issue is not recommended and no mitigation measures would be required.

c. Would the project require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Potentially Significant Impact. Storm water runoff from the campus drains to facilities owned by both the City of Los Angeles and the Los Angeles County Flood Control District and managed by the Los Angeles Department of Public Works. As stated in Response VIII.c., above, the amount of runoff originating from the campus after completion of the Enhancement Plan may increase slightly as a result of the project. However, the introduction of several new structures may necessitate the construction of new storm drains (or other treatment measures) on the project site. Therefore, it is recommended that this issue be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

d. Would the project have sufficient water supplies available to serve the project from existing entitlements and resource, or are new or expanded entitlements needed?

Less Than Significant Impact. Water is provided to the project site by the Los Angeles Department of Water and Power (DWP). Water supplies are obtained from the Los Angeles Aqueduct, local groundwater, and through purchases from the Southern California Metropolitan Water District (MWD). The project would result in a need for additional water to accommodate the increase in student and faculty. Compliance with water conservation measures such as those required by Titles 20 and 24 of the California Administrative Code would help to reduce this projected water demand. In addition, since the population of the project falls within the population projections for the Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass Community Plan area, project-related water consumption would not adversely affect regional water supplies, which are considered by the City of Los Angeles to be adequate through the year 2010.[27] Furthermore, since the project falls below any of the thresholds contained in recently enacted water supply legislation (specifically SB610 and SB221), those requirements relating to water supply and water planning would not be triggered. DWP's most recent Urban Water Management Plan indicates that a sufficient water supply is expected to be available to serve projects such as that proposed. Therefore, sufficient water supplies would be available to serve the project from existing entitlements and resources, and new or expanded entitlements would not be necessary. Further analysis of this issue is not recommended and no mitigation measures would be necessary.

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[27] *Los Angeles Citywide General Plan Framework Draft EIR, January 1995.*

e. Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less Than Significant Impact. As discussed in Response XVI.a. above, wastewater from the project site is treated at the Hyperion Treatment Plant (HTP) located in Playa Del Rey. A major expansion and upgrade of the HTP was completed in 1998, which increased the capacity of the plant to 450 mgd. The expanded capacities of the HTP and other treatment plants serving the Los Angeles area are expected to be sufficient to sustain wastewater treatment needs through the year 2010, with annual increases in wastewater flows limited to 5 mgd by City Ordinance No. 166,060. The HTP currently processes an average of 340 mgd, with excess capacity of approximately 110 mgd.[28] The estimated increase in wastewater generation of 960 gpd would represent approximately 0.02 percent of the permitted annual flow increase for the HTP (or less than 0.000009 percent of HTP's total remaining capacity). Further analysis of this issue is not recommended and no mitigation measures would be required.

f. Would the project be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

Less Than Significant Impact. Solid waste from the project site would continue to be disposed of at one of several landfills in Los Angeles County. The County continues to evaluate its landfill needs and capacity through the Los Angeles County Solid Waste Management Plan. Ultimate landfill capacity is determined by several factors, including: (1) the expiration of various landfill permits (e.g., Land Use Permits, Waste Discharge Requirements Permits, Solid Waste Facilities Permits, and air quality permits); (2) restrictions to accepting waste generated only within a landfill's particular jurisdiction and/or watershed boundary; and (3) operational constraints. Several actions have occurred in recent years that have also altered projected capacity. In August 2005, the City of Los Angeles portion of the Sunshine Canyon Landfill Expansion began operations with a permitted capacity of 73.0 million tons. In addition, the Puente Hill Materials Recovery Facility (MRF) began operating in July 2005 at 500 tons per day (tpd), with a permitted capacity of 4,400 tpd and 2,400 tons per week. As well, in August 2000, the County Sanitation Districts of Los Angeles County (CSDLAC) entered into Purchase and Sale Agreements for the Mesquite Landfill waste-by-rail facility, located in Imperial County. Construction for the Mesquite Regional Landfill is currently underway and is expected to be open for rail shipments of waste in 2009. When fully operational, the Mesquite Landfill will accept 20,000 tpd of waste and have a total capacity of approximately 600 million tons, with a projected life of approximately 100 years. Additionally, the CSDLAC entered into a Purchase

[28] *City of Los Angeles Integrated Resources Plan, June 2005.*

and Sale Agreement for the Eagle Mountain Landfill, a proposed waste-by-rail landfill located in Riverside County, from Kaiser Ventures, Inc. However, in June 2005, the U.S. District Court struck down a land exchange between Kaiser and the Bureau of Land Management, which would have allowed for development of this landfill. Officials are now determining whether this project can proceed without the land exchange. However, if operational, the Eagle Mountain Landfill would accept 20,000 tons per day (tpd) of waste and have a total capacity of approximately 708 million tons, with a projected life of approximately 117 years.

Aggressive waste reduction and diversion programs on a Countywide level have helped reduce disposal levels. Examples of such efforts include resource conservation per the provisions of the California Integrated Waste Management Act of 1989 (AB 939) and the diversion of waste to transformation (waste-to-energy) facilities or to intermodal facilities that transport the waste by rail to facilities outside of the County. According to the City of Los Angeles Bureau of Sanitation, through implementation of AB 939 requirements, the City achieved waste diversion of 58.8 percent in 2000.[29] The City has adopted the goal of achieving 70 percent diversion by 2020.

Construction of the proposed project would generate demolition debris, some of which may be recycled or reused on-site to the extent feasible. Materials that could be recycled or salvaged include asphalt, glass, concrete, steel, doors, and bathroom fixtures. Demolition debris not recycled or reused could be accepted at one of several unclassified landfills within the Los Angeles County. Since unclassified landfills in the County do not generally have capacity issues, inert landfills serving the site would have sufficient capacity to accommodate project construction solid waste disposal needs. In addition, no soil export would be required, and import of approximately 500 cubic yards of dirt would be necessary, thereby precluding the disposal of such materials into area landfills. Significant impacts would not occur, and no mitigation measures would be required.

A conservative projection of future waste generation levels associated with on-site operations can be calculated using the number of employees and a standard waste disposal generation rate.[30] Based on a solid waste generation factor for educational facilities of 0.8 tons per employee per year, the projected number of total employees on-site (i.e., 125 faculty and 53 staff/administrative employees, including both full-time and part-time faculty and staff) subsequent to implementation of the Enhancement Plan would generate approximately 142 tons of solid waste per year, or an increase of approximately 36 tons per year, which is an extremely

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[29] *City of Los Angeles Bureau of Sanitation, Year 2000 AB 939 Report, available at http://www.lacity.org/SAN/ab939-2000.htm, accessed September 8, 2005.*

[30] *The accepted waste disposal rate for services and educational facilities is based on employment levels; however, the rate takes total population (i.e., students) into account.*

small fraction of the regional solid waste generated.[31] Project-generated solid waste would be disposed of at one of 12 major Class III landfills, which accept all types of non-hazardous solid waste, located within Los Angeles County. In addition, compliance with the Recycling Space Allocation Ordinance would further assist in reducing the amount of solid waste on-site that would decrease landfill capacity. The School is currently under contract with Crown Disposal for solid waste services. Service of the three, one-ton receptacles is provided three times a week, according to the School's facilities department. According to the School, the increase in student and faculty numbers anticipated by the 2014–2015 school year would not require additional solid waste service nor would it require any substantial changes to the existing waste disposal system within the campus.[32] Based on the above, impacts on the overall capacity of existing regional solid waste landfills would be less than significant. Further analysis of this issue is not recommended and no mitigation measures would be required.

g. Would the project comply with federal, state, and local statutes and regulations related to solid waste?

No Impact. The project would comply with applicable regulations related to solid waste, including those pertaining to waste reduction and recycling. The project would comply with the City of Los Angeles Space Allocation Ordinance (Ordinance No. 171,687), which requires that developments include a recycling area or room of specified size on the project site. The project would promote compliance with AB 939 in order to maintain the City's 50 percent waste diversion requirement and support the City's goal of achieving 70 percent diversion by 2020. Therefore, no impacts associated with solid waste statutes and regulation would occur. Further analysis of this issue is not recommended and mitigation measures would not be required.

XVII. MANDATORY FINDINGS OF SIGNIFICANCE

a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

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[31] *This waste disposal rate is based on the California Integrated Waste Management Board's Solid Waste Characterization Database, May 2000.*

[32] *Personal communication with Curtis Covington, Plant Facilities Supervisor for The Buckley School, January 8, 2006.*

Potentially Significant Impact. As discussed in more detail in Section IV. above, a biological survey will be conducted to determine if there are any candidate, sensitive, or special status species present within the project site. In addition, this survey will identify any wildlife habitat as well as any plant or animal communities that may exist on the site. Thus, it is recommended that implementation of the project be assessed for the following biological impacts: (1) reduction in habitat of wildlife species that may cause such a species to drop below self-sustaining levels, (2) threats that may eliminate a plant or animal community, or (3) a reduction in the number or restriction of the range of a rare or endangered plant or animal. As discussed in Response V.a., the project would not result in the removal of important examples of the major periods of California history or prehistory and no associated impacts would occur.

b. Does the project have impacts which are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects).

Potentially Significant Impact. Twenty-nine related projects have been identified in the project area and include new residential development, a hotel, two fast food restaurants, three gas stations, other auto-related uses, various commercial uses, an office building, a self-storage facility, and improvements at several other schools/educational facilities. Based on the relatively small scale and distance of most of these projects from the proposed project site, the potential for cumulatively considerable impacts is low; however, there is a possibility that implementation of the project could result in potentially significant environmental effects related to some of the issues discussed above, either directly or indirectly. The project's contribution to cumulative impacts associated with each of the topical issues discussed above was considered, and it was determined that the project would not contribute to cumulative impacts associated with agricultural resources or mineral resources, as there are no such resources in the immediate project area. In addition, due to the developed nature of the project area and the areas surrounding the proposed related projects, the project would not contribute to significant cumulative impacts associated with population and housing, public services, utilities (except storm drains), or recreation. With regard to surface water quality, implementation of regulatory requirements including implementation of BMPs and erosion control measures would ensure that the project and related projects would not result in significant impacts on water quality. Based on the above checklist responses, it is recommended that the project's contribution to cumulative impacts associated with aesthetics, air quality, biological resources, paleontology, geology and soils, hydrology, hazards, land use, noise, transportation and circulation, and utilities (storm drains) be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

c. Does the project have environmental effects which cause substantial adverse effects on human beings, either directly or indirectly?

Potentially Significant Impact. Construction and operation of the project could result in environmental effects that could have substantial adverse effects on human beings, either directly or indirectly. As discussed in the responses above, these potential effects could be associated with aesthetics, air quality, biological resources, paleontology, geology and soils, hydrology, land use, noise, transportation and circulation, and utilities (storm drains). It is recommended that an analysis of these potential impacts be analyzed further and documented in an EIR with feasible mitigation measures incorporated, as necessary.

Notice of Preparation (NOP)

CITY OF LOS ANGELES
CALIFORNIA

DEPARTMENT OF
CITY PLANNING
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February 10, 2006

REVISED NOTICE OF PREPARATION (NOP)
ENVIRONMENTAL IMPACT REPORT

EAF NO.: ENV-2004-7171 EIR **SCH No.:** 2005011055
PROJECT NAME: The Buckley School Campus Enhancement Plan
PROJECT ADDRESS: 3900 Stansbury Avenue
COMMUNITY PLAN AREA: Sherman Oaks-Studio City-Toluca Lake-Cahuenga Pass
COUNCIL DISTRICT: 5
COMMENTS DUE DATE: **March 13, 2006**

The proposed project has been revised since the NOP dated January 12, 2005.

REVISED **PROJECT DESCRIPTION:** The Buckley School proposes to enhance its existing campus facilities to address the needs of existing and future school programs. The Campus Enhancement Plan includes vehicular circulation and queuing improvements, increased parking within a new ~~semi-subterranean~~ enclosed parking facility, the demolition of ~~eleven~~ six buildings, construction of ~~seven~~ five new/replacement buildings, a central plant, and additions to and/or renovation of two existing buildings~~, and the renovation of four other buildings~~. When accounting for ~~35,550~~ 26,350 square feet of building area to be removed, development of these project components would add approximately ~~53,750~~ 69,500 square feet of net new building area to the existing 99,150 square feet of building area currently on-site, resulting in a total building area of approximately ~~152,900~~ 168,650 square feet upon completion of the project's three phases. The project would provide a total of 306 on-site parking spaces, which include approximately ~~287~~ 240 parking spaces provided in the new ~~semi-subterranean~~ enclosed parking facility and ~~28~~ 66 surface parking spaces throughout the campus. The project is estimated to be built during a ~~seven to ten~~ six-year

Project implementation would require a new Conditional Use Permit, which would allow for a phased increase in student enrollment from 750 to 830 and would also modify various operating conditions. The project would also require various other approvals, potentially including, but not limited to, a two Specific Plan Exceptions, modification of height regulations, ~~a Community Plan (General Plan) Amendment, a Zone Change,~~ potential modification of yard regulations, and a Preliminary Parcel Map including Oak Tree removal and potential Haul Route approval, Zone Variance, review and approval from the Mulholland Scenic Parkway Design Review Board for the proposed outdoor Aquatic Center, and potential modification of building ordinances. ~~As part of the Campus Enhancement Plan, it is proposed that an easement for~~

~~approximately 4.85 acres of Santa Monica Mountains Conservancy (SMMC) land be granted to the Buckley School, in part, to accommodate a proposed outdoor swimming pool. In turn, an easement over 12.6 acres of undeveloped, non-adjacent land owned by the School would be granted to the SMMC for open space for recreational and habitat restoration purposes.~~

The project has been revised to consolidate the new buildings generally within the already developed central area of campus thereby reducing impacts to the canyon and nearby residential uses compared to the previous proposal. Most notably, the revised project would allow excavated earthen material to be retained on site thus nearly eliminating the need for soil export or import and significantly reducing construction truck trips. In order to accomplish a balanced cut and fill site, the soil would be retained generally under and around the new main building and enclosed parking facility. As a result, some buildings would have additional height ranging from 27 to 55 feet in height, as defined by Code, but would visually appear no greater than 35 feet in height due to the sloping nature of the site's topography. New building roof lines would be below the roof line of the existing Disney Pavilion. The consolidated building layouts require more interior hallways than the previous plan, contributing in large part, to the modest increase in floor area compared to the previous plan. The revised project is anticipated to require approximately six years to construct compared to the approximately seven to ten years for the previous proposal further reducing potential construction effects. The following table provides a summary of the recent changes made to the project.

Revisions Made to the Buckley School Campus Enhancement Plan since January 12, 2005

	Original Proposal	Revised Proposal	Net Change
Campus Floor Area & Uses			
Proposed Floor Area	89,300 sq. ft.	95,850 sq. ft.	+6,550 sq. ft.
Demolition Floor Area	35,550 sq. ft.	26,350 sq. ft.	-9,200 sq. ft.
Net New Floor Area	53,750 sq. ft.	69,500 sq. ft.	+15,750 sq. ft.
Campus Total Floor Area	152,900 sq. ft.	168,650 sq. ft.	+15,750 sq. ft.
Student Enrollment	830 students	830 students	No change
Parking			
Structured Spaces	278 spaces	240 spaces	-38 spaces
Surface Spaces	28 spaces	66 spaces	+38spaces
Total Parking	306 spaces	306 spaces	No change
Building Heights			
Maximum Height	Up to 40 feet (excluding mechanical equipment)	Up to 55 feet (excluding mechanical equipment) (All new buildings fall below existing roofline of Disney Pavilion)	+15 feet
Grading			
Cut	66,700 cy	Approx . 15,000 cy	-51,700 cy
Fill	15,250 cy	Approx . 15,000 cy	-250 cy
Import/Export	51,450 cy export	Incidental import/export	-51,450 cy
Construction Duration			
Project Buildout	Approx. 7-10 years	Approx. 6 years	1 to 4 year reduction

~~approximately 4.85 acres of Santa Monica Mountains Conservancy (SMMC) land be granted to the Buckley School, in part, to accommodate a proposed outdoor swimming pool. In turn, an easement over 12.6 acres of undeveloped, non-adjacent land owned by the School would be granted to the SMMC for open space for recreational and habitat restoration purposes.~~

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Campus Total Floor Area	152,900 sq. ft.	168,650 sq. ft.	+15,750 sq. ft.
Student Enrollment	830 students	830 students	No change
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Structured Spaces	278 spaces	240 spaces	-38 spaces
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Total Parking	306 spaces	306 spaces	No change
Building Heights			
Maximum Height	Up to 40 feet (excluding mechanical equipment)	Up to 55 feet (excluding mechanical equipment) (All new buildings fall below existing roofline of Disney Pavilion)	+15 feet
Grading			
Cut	66,700 cy	Approx . 15,000 cy	-51,700 cy
Fill	15,250 cy	Approx . 15,000 cy	-250 cy
Import/Export	51,450 cy export	Incidental import/export	-51,450 cy
Construction Duration			
Project Buildout	Approx. 7-10 years	Approx. 6 years	1 to 4 year reduction

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED: Aesthetics, Air Quality, Biological Resources, Cultural Resources (Paleontological Resources), Geology and Soils, Hazards & Hazardous Materials, Hydrology/Water Quality, Land Use and Planning, Noise, and Transportation/Traffic.

The enclosed materials reflect the scope of the proposed project, which is located in an area of interest to you and/or the organization you represent. An Environmental Impact Report (EIR) will be prepared and the Environmental Review Section welcomes all comments regarding potential environmental impacts of the proposed revisions to the Project. All comments will be considered in the preparation of the EIR. **Written comments** must be submitted to this office by **March 13, 2006.**

Please direct your responses to:

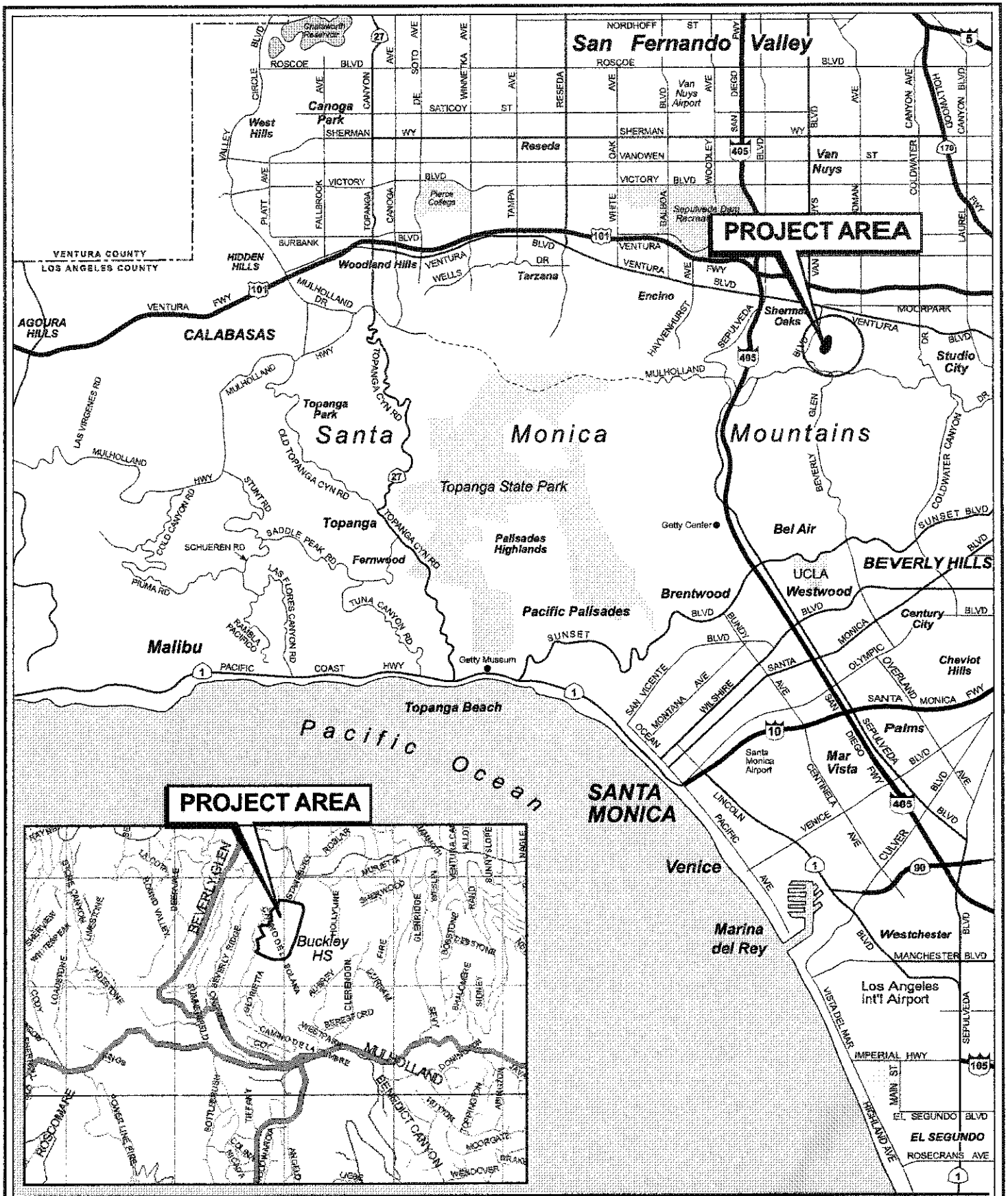
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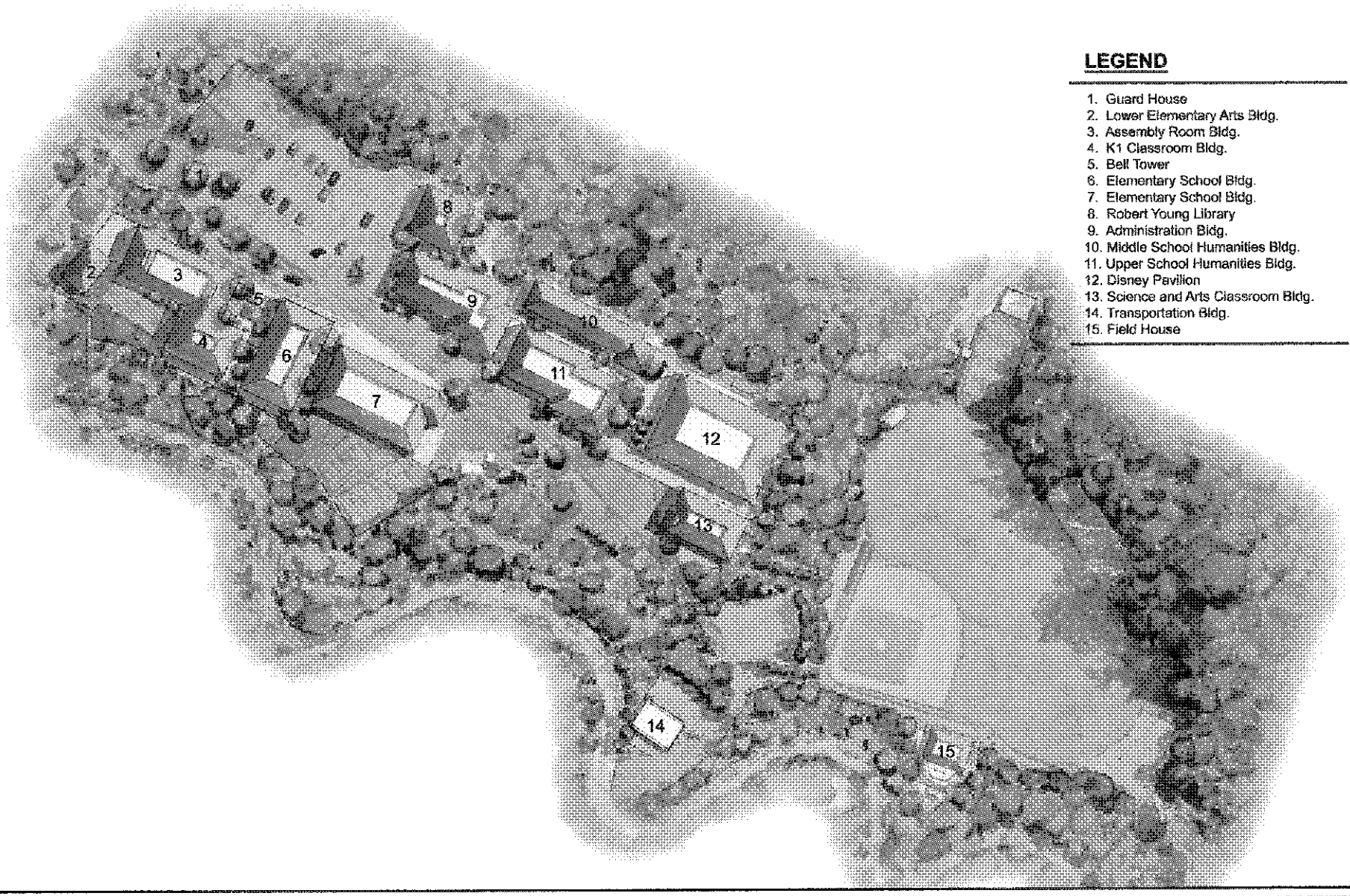
Jimmy C. Liao

Jimmy C. Liao
City Planner, EIR Unit
Division of Land/Environmental Review Section

Enclosures

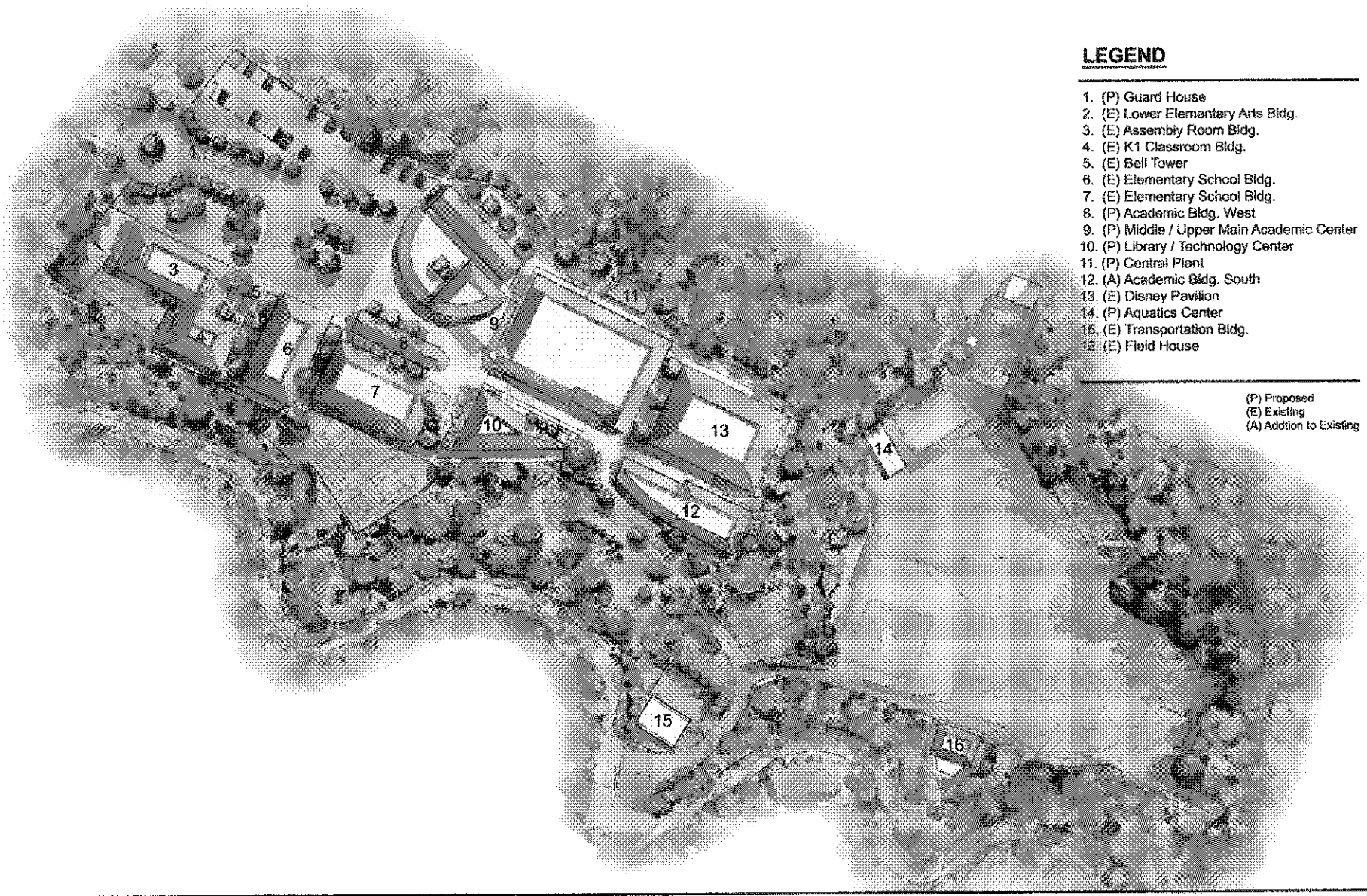


Project Location and Regional Vicinity Map



Existing Site Plan

Source: Jeffrey M. Kalban & Associates Architecture, Inc., 2006.



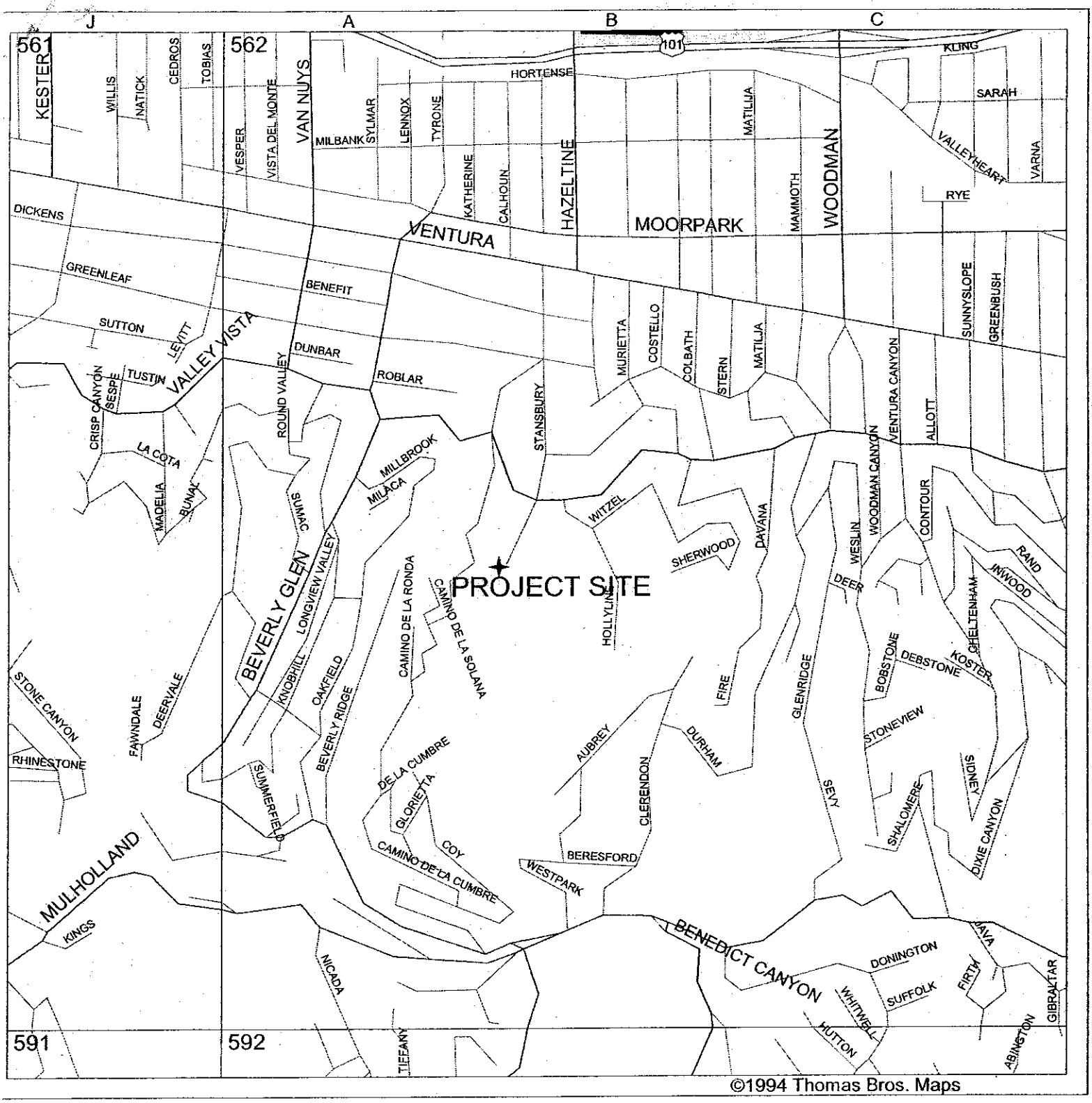
LEGEND

1. (P) Guard House
2. (E) Lower Elementary Arts Bldg.
3. (E) Assembly Room Bldg.
4. (E) K1 Classroom Bldg.
5. (E) Bell Tower
6. (E) Elementary School Bldg.
7. (E) Elementary School Bldg.
8. (P) Academic Bldg. West
9. (P) Middle / Upper Main Academic Center
10. (P) Library / Technology Center
11. (P) Central Plant
12. (A) Academic Bldg. South
13. (E) Disney Pavilion
14. (P) Aquatics Center
15. (E) Transportation Bldg.
16. (E) Field House

(P) Proposed
(E) Existing
(A) Addtion to Existing

Proposed Site Plan

Source: Jeffrey M. Kalban & Associates Architecture, Inc., 2006.

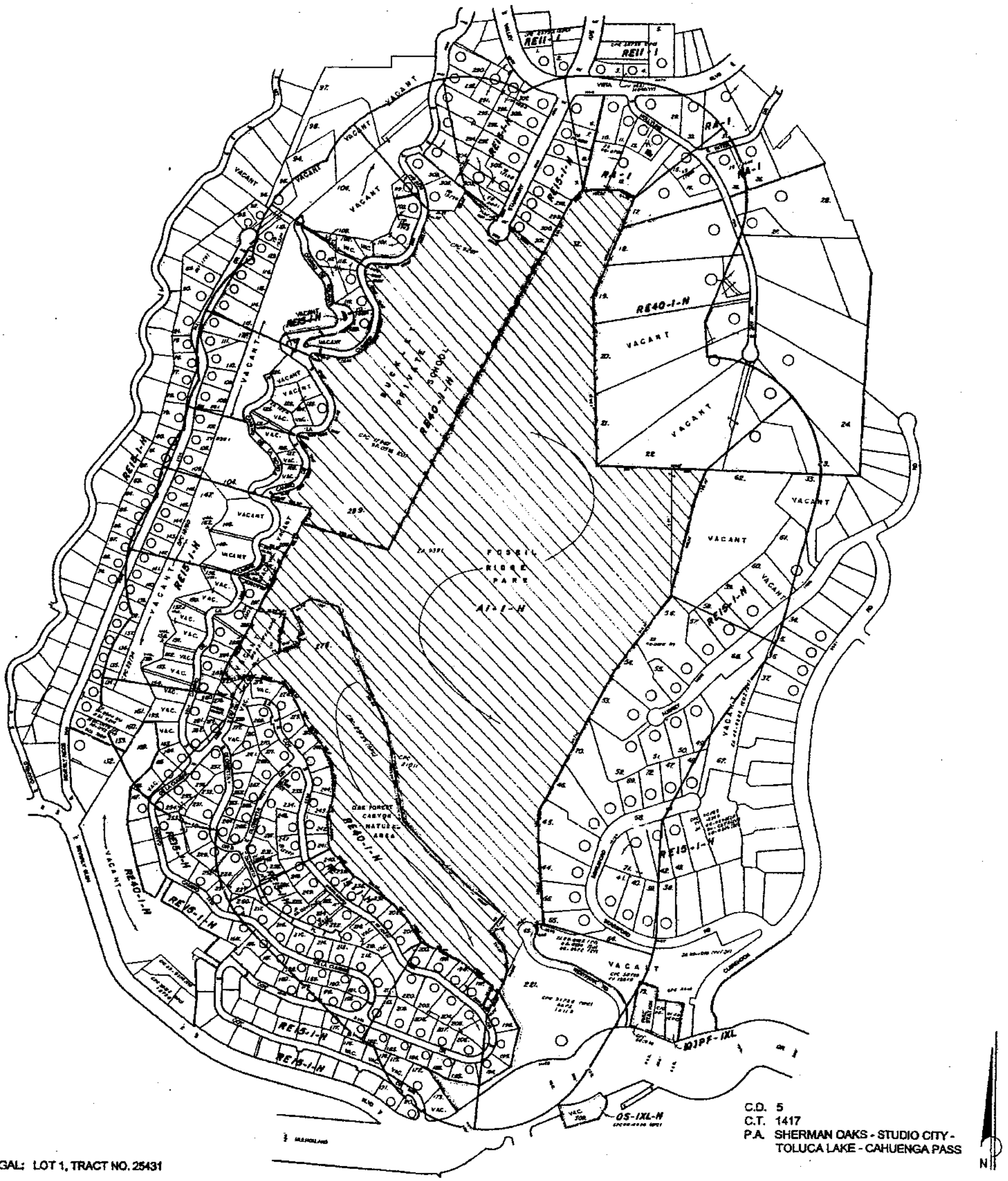


VICINITY MAP

SITE : 3900 N. STANSBURY AVENUE

GC MAPPING SERVICE

711 MISSION STREET ,SUITE D
SOUTH PASADENA CA 91030
(626) 441-1080, FAX (626) 441-8850
GCMAPPING@RADIUSMAPS.COM



C.D. 5
C.T. 1417
P.A. SHERMAN OAKS - STUDIO CITY - TOLUCA LAKE - CAHUENGA PASS

LEGAL: LOT 1, TRACT NO. 25431

GC MAPPING SERVICE 711 MISSION STREET, SUITE D SOUTH PASADENA, CA. 91030 (626) 441-1080	**CONDITIONAL USE / SPECIFIC PLAN EXCEPTION** **PRELIMINARY-PARCEL MAP ______**	77.03 NET AC.	CASE NO. DATE: 01-20-06 SCALE: 1" = 200' USES FIELD D.M. 162 B 149 , 162 B 153 159 B 149 , 159 B 153 T.B. PAGE: 562 GRID:A6,A7,B7

NOP Comment Letters

STATE OF CALIFORNIA

Governor's Office of Planning and Research

State Clearinghouse and Planning Unit

Arnold Schwarzenegger
Governor

Sean Walsh
Director

Notice of Preparation

RECEIVED
CITY OF LOS ANGELES

FEB 22 2006

ENVIRONMENTAL
UNIT

February 14, 2006

To: Reviewing Agencies

Re: The Buckley School Campus Enhancement Project
SCH# 2005011055

Attached for your review and comment is the Notice of Preparation (NOP) for the The Buckley School Campus Enhancement Project draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Jimmy Liao
Los Angeles City Planning Department
200 No. Spring Street, Room 750
Los Angeles, CA 90012

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan
Project Analyst, State Clearinghouse

Attachments
cc: Lead Agency

1400 TENTH STREET P.O. BOX 3044 SACRAMENTO, CALIFORNIA 95812-3044
TEL (916) 445-0613 FAX (916) 323-3018 www.opr.ca.gov

Document Details Report
State Clearinghouse Data Base

SCH# 2005011055
Project Title The Buckley School Campus Enhancement Project
Lead Agency Los Angeles City Planning Department

Type NOP Notice of Preparation

Description The Buckley School, the project applicant, proposes to enhance its existing campus facilities located at 3900 Stanbury Avenue in the Sherman Oaks Community of the City fo Los Angeles. The improvements are intended as part of the Campus Enhancement Plan, the intent of which is to address the needs of existing and future achool programs, including the provision of adequate teaching space for all educational levels, specialty teaching spaces, and multipurpose spaces for educational gatherings that cannot occur in a standard classroom. The project also provides for the modernization of existing facilities, improved disabled access, and energy efficiency upgrades. Included within the Campus Enhancement Plan are vehicular circulation and queuing improvements, increased parking with a new enclosed parking facility, the demolition of six buildings, construction of five new/replacement buildings, a central plant, and additon to and/or renovation of two existing buildings. Upon completion, a net addition of approximately 69,500 square feet of building area would be provided, resulting in a total of 168,650 square feet of educational facilities withing the project site. The project, which would require a new Conditional Use Permit to operate a school within the RE-40 zone, is estimated to be completed within a six-year timeframe.

Lead Agency Contact

Name Jimmy Liao
Agency Los Angeles City Planning Department
Phone (213) 978-1331 **Fax**
email
Address 200 No. Spring Street, Room 750
City Los Angeles **State** CA **Zip** 90012

Project Location

County Los Angeles
City Los Angeles, City of
Region
Cross Streets Stansbury Avenue and Vista Avenue
Parcel No.
Township **Range** **Section** **Base**

Proximity to:

Highways US 101
Airports
Railways
Waterways
Schools Notre Dame HS, Milliken MS, Dixie Cyn Elem.
Land Use Educational / RE-40-1 / Minimum Density Residential and Very Low Residential

Project Issues Aesthetic/Visual; Air Quality; Biological Resources; Drainage/Absorption; Geologic/Seismic; Noise; Soil Erosion/Compaction/Grading; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Wetland/Riparian; Wildlife; Growth Inducing; Landuse; Cumulative Effects; Archaeologic-Historic

Reviewing Agencies Resources Agency; Department of Parks and Recreation; Department of Water Resources; Department of Fish and Game, Region 5; Department of Health Services; Native American Heritage Commission; Caltrans, Division of Aeronautics; California Highway Patrol; Caltrans, District 7; Department of Toxic Substances Control; Regional Water Quality Control Board, Region 4

Date Received 02/14/2006 **Start of Review** 02/14/2006 **End of Review** 03/15/2006

Note: Blanks in data fields result from insufficient information provided by lead agency.

OP Distribution List

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SCH# 2005011055

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  Tammy Allen
  Inyo/Mono, Habitat Conservation Program
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  George Isaac
  Marine Region

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  Dept. of Food and Agriculture
- [ ] **Depart. of General Services**
  Public School Construction
- [ ] **Dept. of General Services**
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- [ ] **RWQCB 2**
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  Central Coast Region (3)
- [x] **RWQCB 4**
  Jonathan Bishop
  Los Angeles Region (4)
- [ ] **RWQCB 5S**
  Central Valley Region (5)
  - [ ] **RWQCB 5F**
    Central Valley Region (5)
    Fresno Branch Office
  - [ ] **RWQCB 5R**
    Central Valley Region (5)
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  Lahontan Region (6)
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    Lahontan Region (6)
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  San Diego Region (9)

- [ ] **Other** _____

Last Updated on 02/9/06

From: "JacknCarolyn Cowles" <jackncarolyn@adelphia.net>
To: <jliao@planning.lacity.org>
Date: 3/22/2006 8:03:05 PM
Subject: Buckley School Enhancement Plan

Dear Mr. Liao,

My wife and I urge you to turn down Buckley's request to expand their facilities and their enrollment.

There are many good reasons why the original CUP limited the size of the school. To name a few: The location is in an environmentally fragile canyon as well as a purely residential neighborhood. The property connects to no major streets, thus traffic congestion has always been a great inconvenience, as well as a safety concern for neighbors.
The only access from the South is a dangerous, narrow, winding road (Camino de la Cumbre), part of which collapsed in last years rain storms.

The above reasons are as valid today as they were when the original CUP limited the school to 400 students. It has increased to 750 (or more) currently, and they want to expand.

Sincerely,
Jack and Carolyn Cowles

Leslie Goetzman
14139 Valley Vista Boulevard
Sherman Oaks, California 91423

March 13, 2006

Mr. Jimmy Liao, City Planner/Project Coordinator
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

Re: The Buckley School Campus Enhancement Plan

Dear Mr. Liao:

I am a member of the Board of Trustees of The Buckley School. I also live just south of The Buckley School and just west of Stansbury Avenue on Valley Vista. As a member of the Board, I have been actively involved with the Campus Enhancement Plan project and write today to describe some the important changes that we have made to the project to address our neighbors' concerns.

We heard the neighbors' concerns regarding the amount of excavation and hauling that would have been required under the old plan presented in January 2005. The revised Buckley Campus Enhancement Plan locates the new buildings near the center of the campus away from the closest neighbors' homes and balances the cut and fill on site, thereby eliminating the need to have weeks of trucks hauling away soil. With less excavation and grading, there will be less dust created. This also is one of the reasons why the revised Campus Enhancement Plan can be built in a shorter time period.

In order to accomplish this balancing of cut and fill, the buildings will have to be a few feet greater in height than the old plan. I believe that eliminating the need for hauling justifies our request for slightly taller buildings. The old plan used more outdoor circulation between classrooms. In order to consolidate the new buildings near the center of campus, the buildings require more interior hallways, which slightly increases the total floor area of the project compared to the old plan.

I think the Board of Trustees and the School's Administration has worked hard to address the neighbors' concerns. The Buckley School has been part of the Sherman Oaks community for over 40 years and looks forward to many more years as a good neighbor.

Sincerely,

Leslie Goetzman

JOHN WULFMEYER ARCHITECT

ENV-2004-7171
The Buckley School Enhancement Plan
3900 Stansbury Avenue

March 11, 2006

Mr. Jimmy C. Liao, City Planner/Project Coordinator
Environmental Review Section
Department of City Planning
200 North Spring Street, Suite 750
Los Angeles, CA 90012

Dear Mr. Liao,

My wife and I live at 3920 Stansbury Avenue. Our house is located on the east side of Stansbury Avenue, and immediately adjacent to the cul-de-sac at The Buckley School.

When we were considering purchasing the home (eight years ago), our visits to the property were during weekends, when there was very little traffic, and certainly no stacked cars on Stansbury Avenue. The real estate disclosure obligation failed to describe the traffic conditions that would exist during the week days.

However, we immediately realized that traffic in front of the house was, and remains, very intense during (3) separate drop-off and pick-up periods each day.

Buckley Avenue is 35 feet wide, curb-to-curb. Some residents park their cars in the street, and there is frequently construction dumpsters located in the street for long new construction and/or renovation periods.

During the afternoon pickup period (with parked resident's cars, and dumpsters), cars approaching Buckley are stacked (2) lanes wide the entire length of Stansbury Avenue, and occasionally the traffic stacks around the corner on Valley Vista. (1) lane is used for cars leaving Buckley. That lane is also the only available access for emergency vehicles to get to the school, or for residents to get to their homes. All traffic leaving Buckley must be stopped by the Traffic Monitors for the residents to use that lane.

Backing out of our driveway was, and remains, very hazardous. Cars entering and leaving Buckley do not yield. We are fortunate that we live adjacent to the cul-de-sac, because there is a Traffic Monitor located at the cul-de-sac, who can stop traffic long enough for us to safely get out of the driveway. Residents further down the street do not have that advantage.

3920 STANSBURY AVE SHERMAN OAKS, CA 91423
PH: 818.986.9923 FX: 818.986.9979 wulfjohn@earthlink.net

ENV-2004-7171
The Buckley School Enhancement Plan
3900 Stansbury Avenue

My wife and I attended neighborhood meetings at the school to discuss traffic concerns. During those meetings, the school continued to assure the residents that they were doing everything possible to mitigate traffic on Stansbury Avenue. While other residents in the neighborhood did not accept the explanation, my wife and I chose to be good neighbors with the school; and we chose to accept that statement in good faith, until recently.

On Friday, February 24, 2006, I decided to go on campus to observe the pickup process so that I could be better informed during discussions with other neighbors. What I observed completely changed my opinion that Buckley is acting in good faith regarding traffic mitigation.

Attached to this letter are a series of photographs, containing text that describes what is occurring at specific time periods. While I was on site taking these photos, cars were stacked the length of Stansbury Avenue, (2) lanes wide. I will not repeat the observations noted on the photos, but the following is a summary:

- There are (2) pickup zones on site, and only (1) is used at a time.
- The Elementary pickup zone is relegated to a "one-car-at-a-time" process.
- Cars in queue are frequently left unattended, stalling others ready to leave.
- Buses are leaving the site essentially empty.

My observations were only taken one day, so it is very important that the EIR Investigative Team visit the site on multiple days, and during each of the drop-off/pick-up periods. They should examine the process with a critical eye, as if they were responsible for designing an efficient process to eliminate cars stacked on Buckley, and provide a safe means to get emergency vehicles down the street.

Please do not make the mistake of assuming that because this traffic condition has existed for many years, that the residents accept this as precedent.

Following my observations, I asked myself what I would do as an alternative to quickly move more cars off of Stansbury Avenue, and onto the school property. Attached is an **alternative pickup plan** of the area that Buckley is currently using for drop-off and pick-up. This plans shows that there is an opportunity for students to access as many as 41 cars at one time.

I am sure that the EIR Investigative Team can produce several other alternative concepts, which I would expect to see included in the final EIR.

3920 STANSBURY AVE SHERMAN OAKS, CA 91423
PH: 818.986.9923 FX: 818.986.9979 wulfjohn@earthlink.net

ENV-2004-7171
The Buckley School Enhancement Plan
3900 Stansbury Avenue

As I examine the Enhancement Plan, I do not see that there are any improvements to the pickup process. In fact, the large inefficient parallel parking scheme may actually be worse.

It is our hope that, prior to considering the data submitted by Buckley, in support of the Enhancement Plan, that the EIR Team of individuals conducting the analysis will start by considering how Buckley has demonstrated a willingness to comply with the obligations of the current CUP that is now in place. And if your conclusions are similar to ours, that Buckley has chosen to ignore, or explore, alternative means to mitigate traffic. They have not complied with the obligations of the current CUP. They have increased the enrollment from somewhere around 400 students to the current 750 students, without having the CUP obligations enforced by the City. During the EIR investigation the City should examine each and every obligation of the CUP, and address in the report how and to what extent that Buckley has complied. Anything less than full compliance with the current CUP is not acceptable.

My wife and I will never accept an increase in enrollment beyond the current 750.

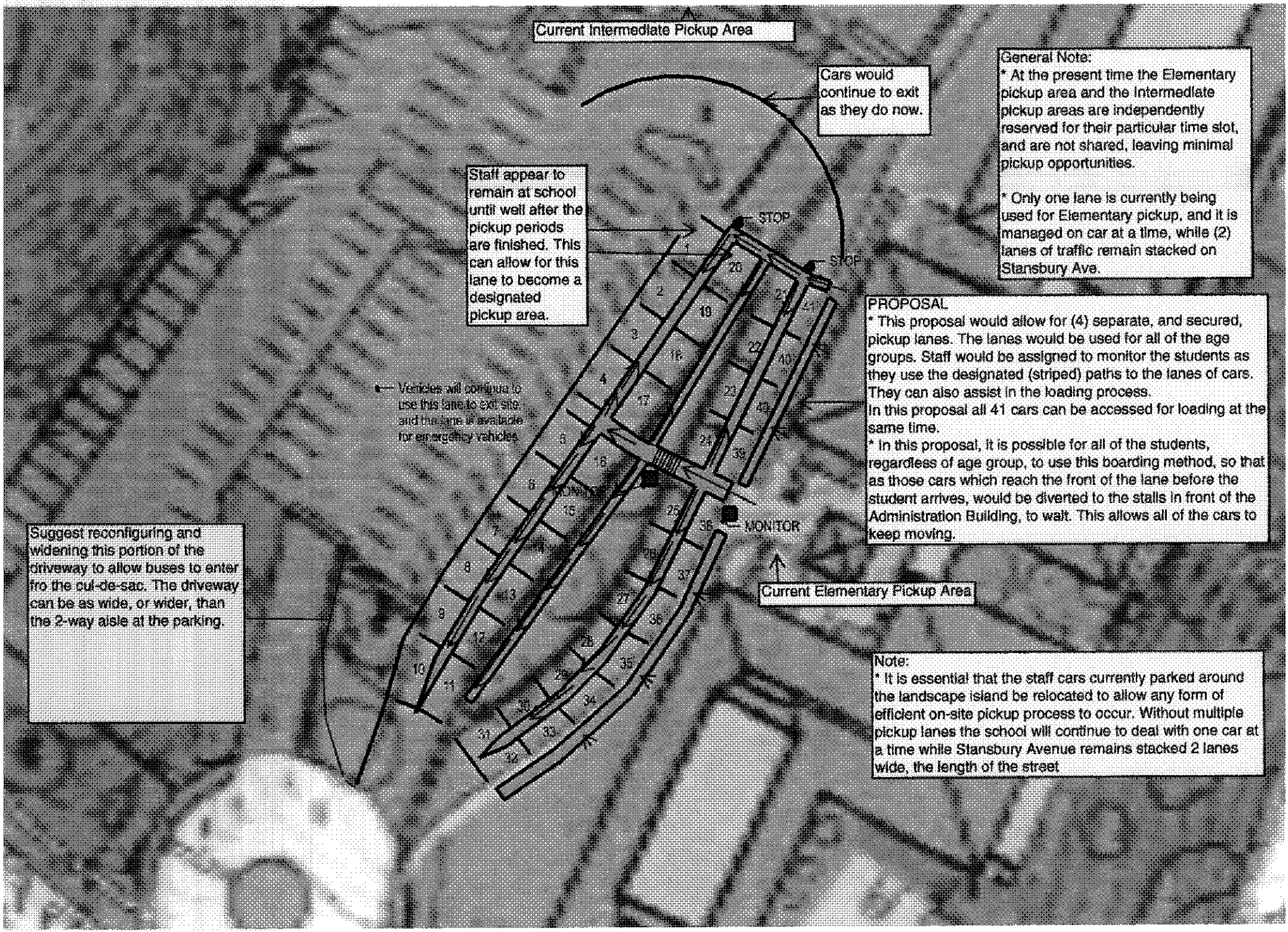
Thank you

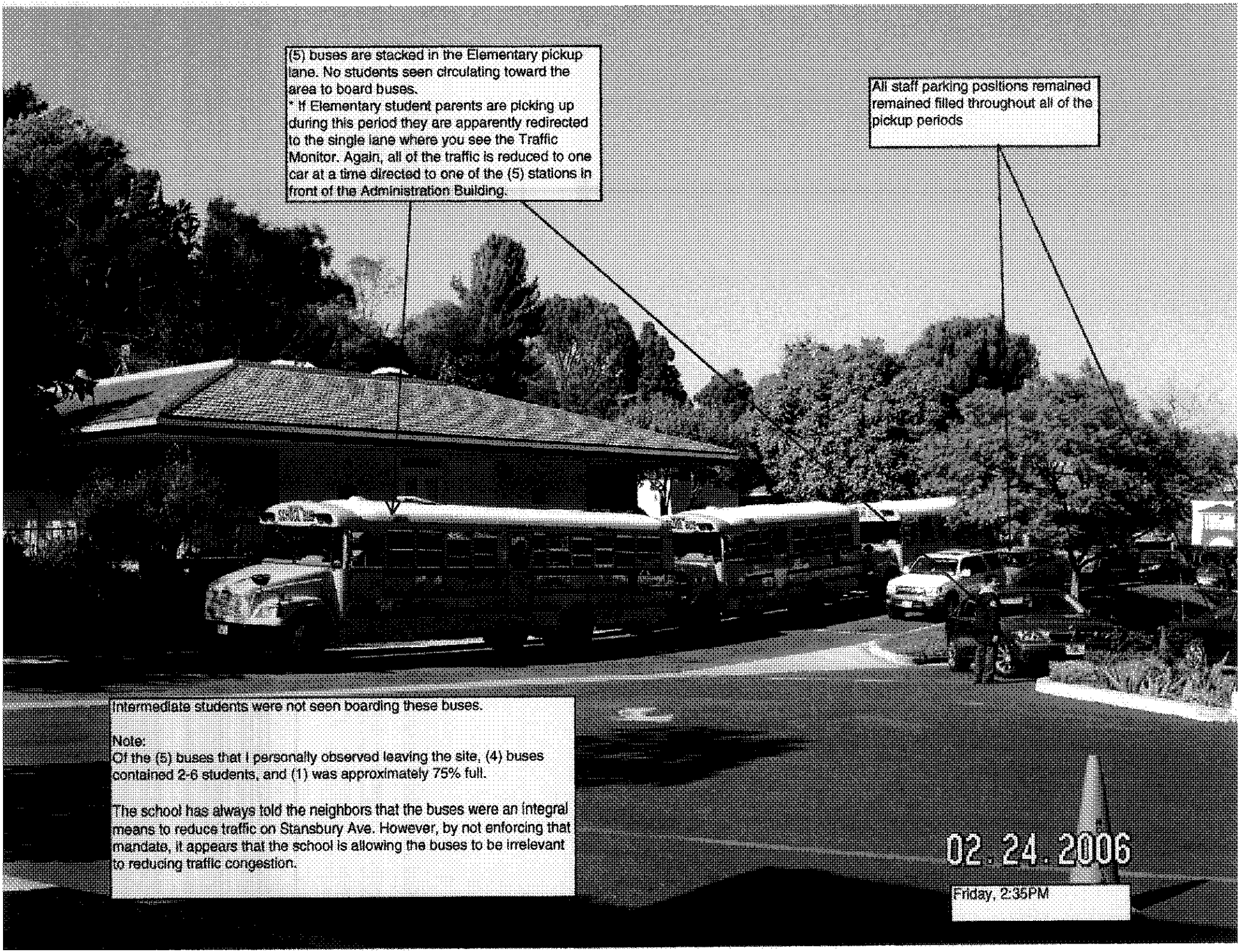
Sincerely,

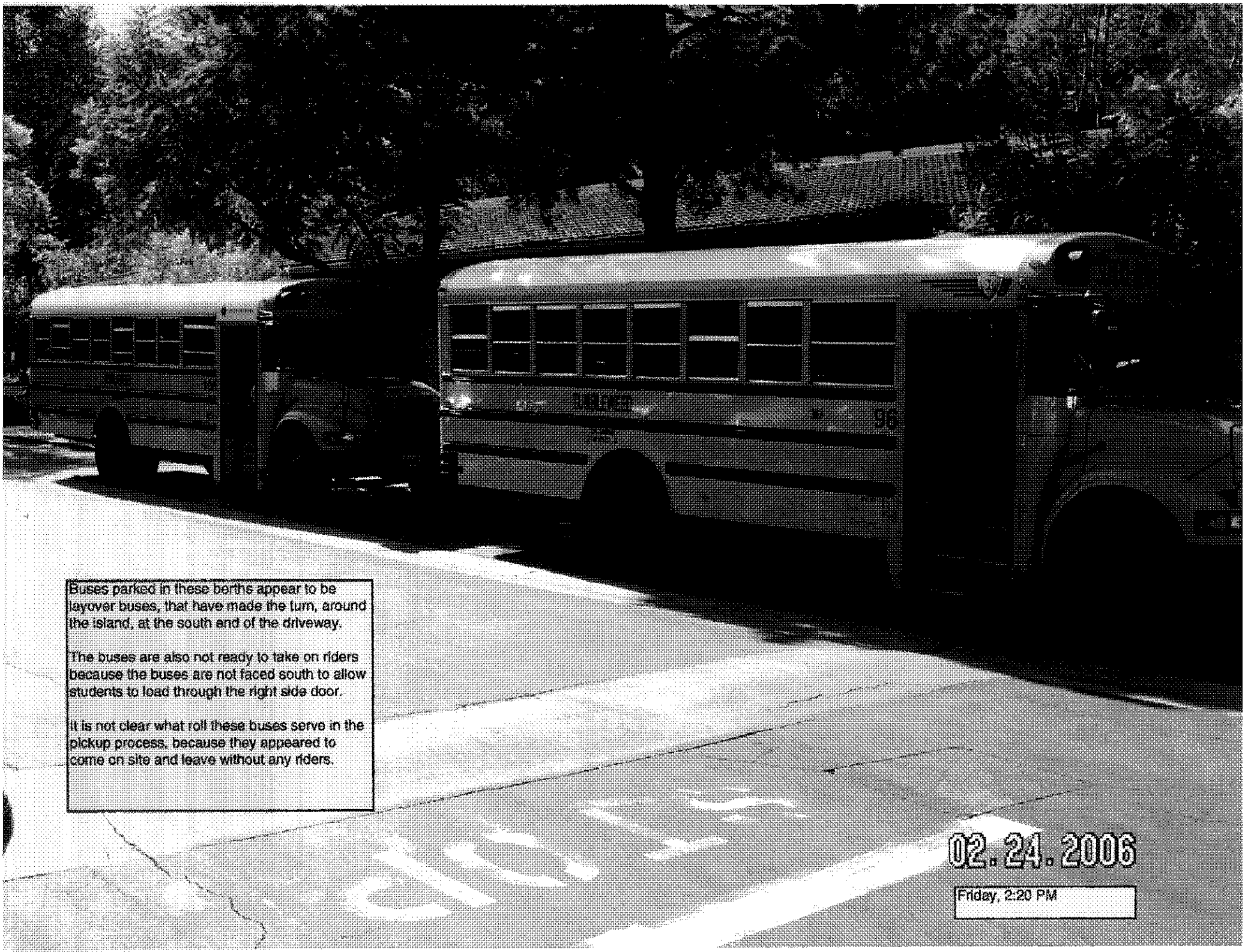
John T. Wulfmeyer, AIA
John Wulfmeyer Architect

Attachments: Alternate Pickup Plan
(5) Photographs with Commentary

3920 STANSBURY AVE SHERMAN OAKS, CA 91423
PH: 818.986.9923 FX: 818.986.9979 wulfjohn@earthlink.net


Current Intermediate Pickup Area
Cars would continue to exit as they do now.
General Note:
* At the present time the Elementary pickup area and the Intermediate pickup areas are independently reserved for their particular time slot, and are not shared, leaving minimal pickup opportunities.
* Only one lane is currently being used for Elementary pickup, and it is managed on car at a time, while (2) lanes of traffic remain stacked on Stansbury Ave.
Staff appear to remain at school until well after the pickup periods are finished. This can allow for this lane to become a designated pickup area.
STOP
STOP
PROPOSAL
* This proposal would allow for (4) separate, and secured, pickup lanes. The lanes would be used for all of the age groups. Staff would be assigned to monitor the students as they use the designated (striped) paths to the lanes of cars. They can also assist in the loading process.
In this proposal all 41 cars can be accessed for loading at the same time.
* In this proposal, it is possible for all of the students, regardless of age group, to use this boarding method, so that as those cars which reach the front of the lane before the student arrives, would be diverted to the stalls in front of the Administration Building, to wait. This allows all of the cars to keep moving.
Vehicles will continue to use this lane to exit site, and the lane is available for emergency vehicles
MONITOR
Suggest reconfiguring and widening this portion of the driveway to allow buses to enter fro the cul-de-sac. The driveway can be as wide, or wider, than the 2-way aisle at the parking.
Current Elementary Pickup Area
Note:
* It is essential that the staff cars currently parked around the landscape island be relocated to allow any form of efficient on-site pickup process to occur. Without multiple pickup lanes the school will continue to deal with one car at a time while Stansbury Avenue remains stacked 2 lanes wide, the length of the street

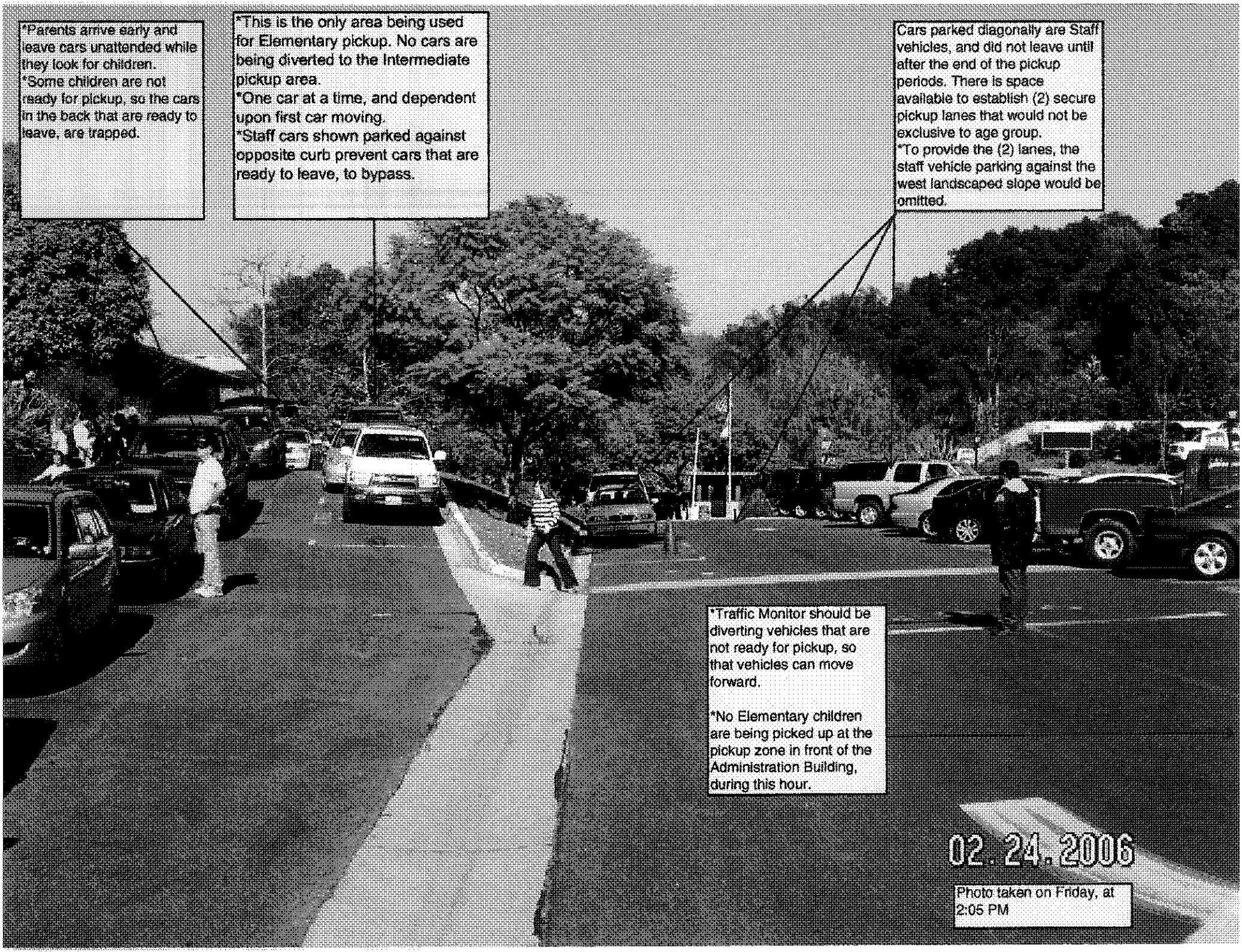

(5) buses are stacked in the Elementary pickup lane. No students seen circulating toward the area to board buses.
* If Elementary student parents are picking up during this period they are apparently redirected to the single lane where you see the Traffic Monitor. Again, all of the traffic is reduced to one car at a time directed to one of the (5) stations in front of the Administration Building.
All staff parking positions remained remained filled throughout all of the pickup periods
Intermediate students were not seen boarding these buses.
Note:
Of the (5) buses that I personally observed leaving the site, (4) buses contained 2-6 students, and (1) was approximately 75% full.
The school has always told the neighbors that the buses were an integral means to reduce traffic on Stansbury Ave. However, by not enforcing that mandate, it appears that the school is allowing the buses to be irrelevant to reducing traffic congestion.
02. 24. 2006
Friday, 2:35PM

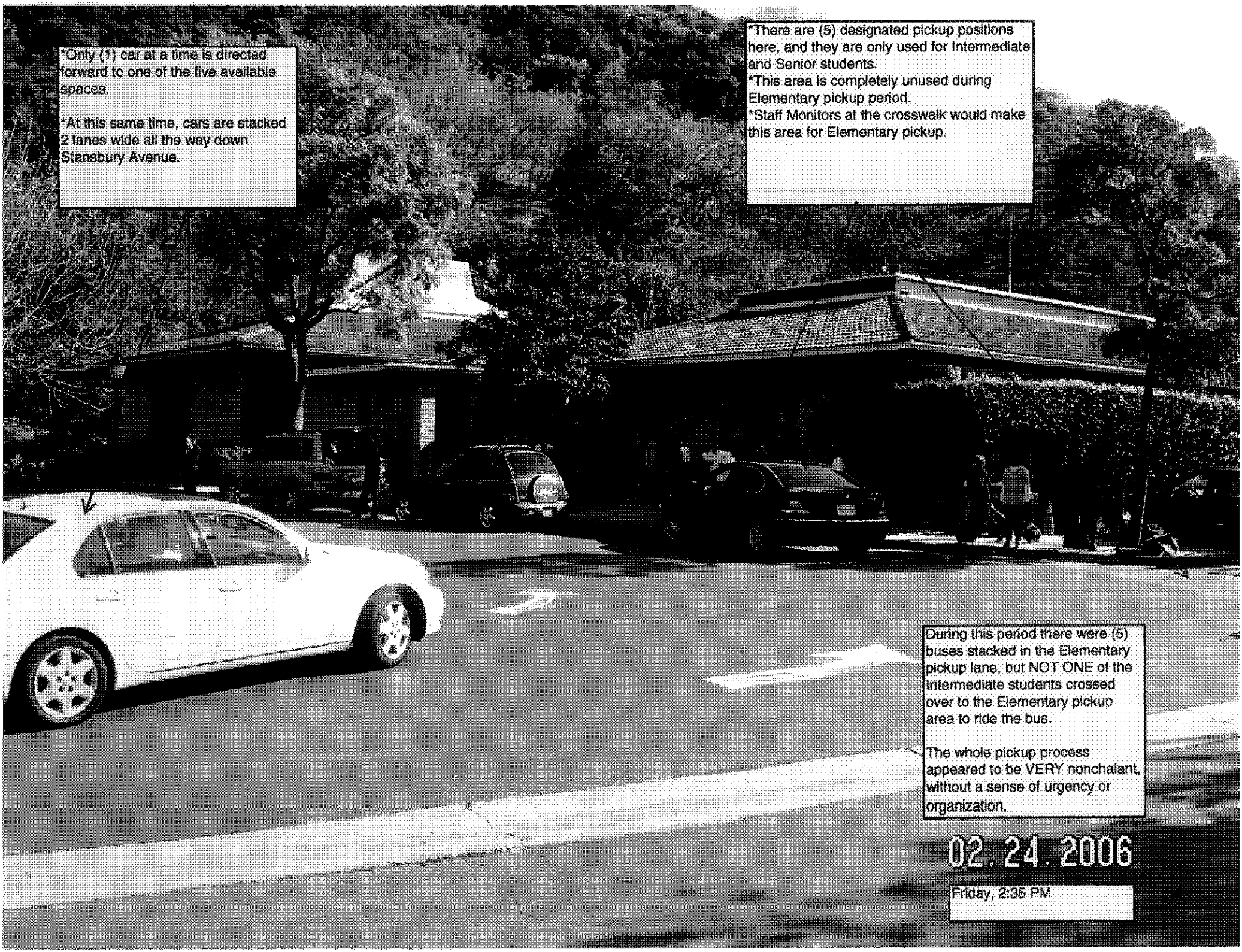


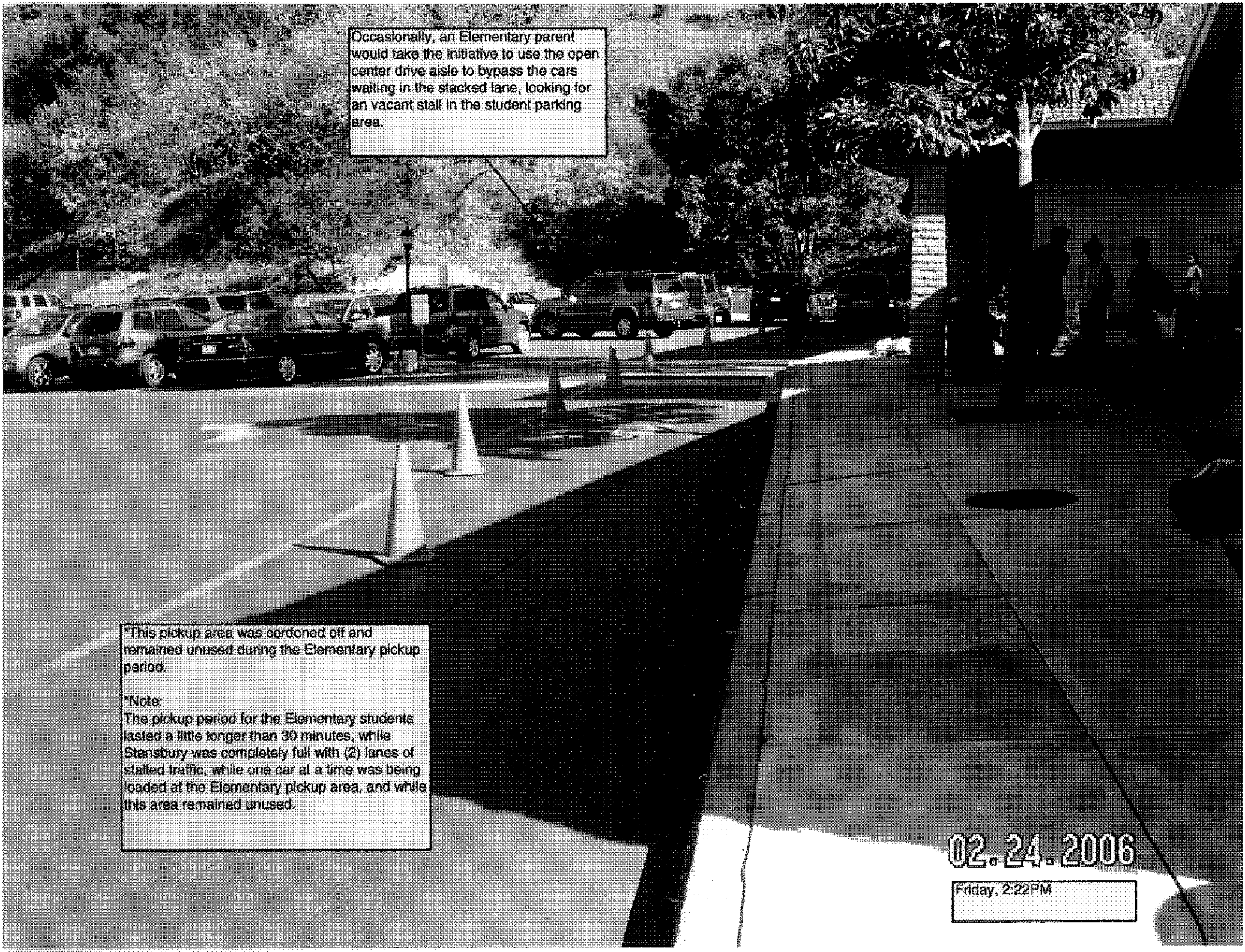
Buses parked in these berths appear to be layover buses, that have made the turn, around the island, at the south end of the driveway.

The buses are also not ready to take on riders because the buses are not faced south to allow students to load through the right side door.

It is not clear what roll these buses serve in the pickup process, because they appeared to come on site and leave without any riders.


*Parents arrive early and leave cars unattended while they look for children.
*Some children are not ready for pickup, so the cars in the back that are ready to leave, are trapped.
*This is the only area being used for Elementary pickup. No cars are being diverted to the Intermediate pickup area.
*One car at a time, and dependent upon first car moving.
*Staff cars shown parked against opposite curb prevent cars that are ready to leave, to bypass.
Cars parked diagonally are Staff vehicles, and did not leave until after the end of the pickup periods. There is space available to establish (2) secure pickup lanes that would not be exclusive to age group.
*To provide the (2) lanes, the staff vehicle parking against the west landscaped slope would be omitted.
*Traffic Monitor should be diverting vehicles that are not ready for pickup, so that vehicles can move forward.
*No Elementary children are being picked up at the pickup zone in front of the Administration Building, during this hour.
02. 24. 2006
Photo taken on Friday, at 2:05 PM


*Only (1) car at a time is directed forward to one of the five available spaces.
*At this same time, cars are stacked 2 lanes wide all the way down Stansbury Avenue.
*There are (5) designated pickup positions here, and they are only used for Intermediate and Senior students.
*This area is completely unused during Elementary pickup period.
*Staff Monitors at the crosswalk would make this area for Elementary pickup.
During this period there were (5) buses stacked in the Elementary pickup lane, but NOT ONE of the Intermediate students crossed over to the Elementary pickup area to ride the bus.
The whole pickup process appeared to be VERY nonchalant, without a sense of urgency or organization.
02. 24. 2006
Friday, 2:35 PM


Occasionally, an Elementary parent would take the initiative to use the open center drive aisle to bypass the cars waiting in the stacked lane, looking for an vacant stall in the student parking area.
*This pickup area was cordoned off and remained unused during the Elementary pickup period.
*Note:
The pickup period for the Elementary students lasted a little longer than 30 minutes, while Stansbury was completely full with (2) lanes of stalled traffic, while one car at a time was being loaded at the Elementary pickup area, and while this area remained unused.
02.24.2006
Friday, 2:22PM

SOUTHERN CALIFORNIA

ASSOCIATION of GOVERNMENTS

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March 9, 2006

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Mr. Jimmy C. Liao
City Planner/Project Coordinator
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

RE: SCAG Clearinghouse No. I 20060116 The Buckley School Campus Enhancement Plan

Dear Mr. Liao:

Thank you for submitting the **Buckley School Campus Enhancement Plan** for review and comment. As areawide clearinghouse for regionally significant projects, SCAG reviews the consistency of local plans, projects and programs with regional plans. This activity is based on SCAG's responsibilities as a regional planning organization pursuant to state and federal laws and regulations. Guidance provided by these reviews is intended to assist local agencies and project sponsors to take actions that contribute to the attainment of regional goals and policies.

We have reviewed the **Buckley School Campus Enhancement Plan**, and have determined that the proposed Project is not regionally significant per SCAG Intergovernmental Review (IGR) Criteria and California Environmental Quality Act (CEQA) Guidelines (Section 15206). Therefore, the proposed Project does not warrant comments at this time. Should there be a change in the scope of the proposed Project, we would appreciate the opportunity to review and comment at that time.

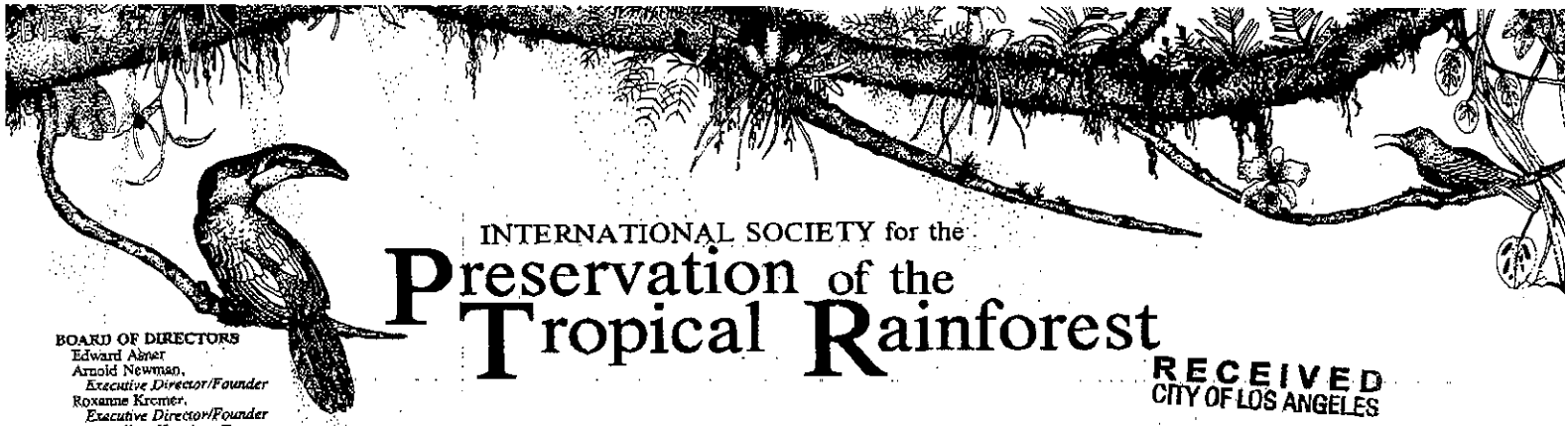
A description of the proposed Project was published in SCAG's **February 16-28, 2006** Intergovernmental Review Clearinghouse Report for public review and comment.

The project title and SCAG Clearinghouse number should be used in all correspondence with SCAG concerning this Project. Correspondence should be sent to the attention of the Clearinghouse Coordinator. If you have any questions, please contact me at (213) 236-1851. Thank you.

Sincerely,

BRIAN WALLACE
Associate Regional Planner
Intergovernmental Review

Doc #119703



INTERNATIONAL SOCIETY for the

Preservation of the Tropical Rainforest

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Arlene Newman, Executive Secretary

February 27, 2006

Mr. Jimmy C. Liao, City Planner
Environmental Review Section
200 N. Spring Street, Room 750
Los Angeles, CA 90012

Re: Buckley School Expansion – Revised 2006

Dear Mr. Liao:

The establishment of Fossil Ridge State Park and Oak Forest Canyon State Park were keystone landmarks in habitat and paleontological resource preservation for the City of Los Angeles and State of California, for which ISPTR was proud to play a part. As co-chair of the Sherman Oaks Homeowners Assn. "Concerned Neighbors" of Buckley School, my concerns are multi-faceted.

Buckley School is directly contiguous to both parks on its southern and eastern boundary and is an obvious facet in their view shed. (Fossil Ridge view shed and wildlife corridor parkland is above Buckley on the west.) When Buckley School entered its current site in Oak Forest Canyon several decades ago, from its Woodman Avenue location in the Valley, it worked constructively with our community to contain its building footprint and height of structures.

From the onset, the city was understandably responsive to the community's residents in narrowly admitting Buckley its occupancy which, quite unique for a school, is nestled directly in the center of a quiet, wooded, upscale single family residential setting on a cul-de-sac street.

In 1998, Buckley's plans for expansion was soundly defeated after a widespread outcry from a diverse number of organizations and state officers which included the Sierra Club, The International Society for the Preservation of the Tropical Rainforest, the Ecology Science Center of Southern California, the Federation of Hillside and Canyon Associations, the San Fernando Valley Federation, the

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Sherman Oaks Homeowners Assn., the Santa Monica Mountains Conservancy, a state senator and district councilman.

Buckley's 2004 plan called for an increase in building volume from its current 99,150 to 152,900 square feet plus a 100,000 ft. semi-subterranean parking structure. The new plan calls for a campus of 268,650 sq. ft. including the parking garage moved to the south, an increase of 170% over the present campus size and 15,000 sq. ft. larger than the 2004 plan.

Buckley also asks for a student increase of 80 students, with an original promise of no further requests for increased enrollment for 25 years, a promise they now rescind. Please note that the projected increase in campus size computes to 2100 sq. ft. per additional student.

In a quiet cul-de-sac street, a factor which differentiates it from all other schools, public or private, the new plan still calls for the massive parking structure, and building on top of which will reach some 60 feet in height, a 6 story structure contiguous to forested state parks and a subdued community. Such a plan could not be more obviously inappropriate, especially so as it is in the outer corridor of the Mulholland Corridor and mandated against by both the Mulholland Specific Plan and Hillside Ordinance. Buckley will be asking for a number of variances to these ordinances and others which were themselves put into place precisely to prevent overly ambitious construction. The granting of these variances will not only allow, but encourage, a severe erosion of those limits designed to protect residents of this city.

It is now abundantly clear the Buckley's plan will call for a significant increase in enrollment in the future which will have a torrential impact on traffic, not only on Stansbury Ave. and Camino de la Cumbre, which is a sub-standard street, only 17 feet wide, but on all main roads and feeder streets in a significant area of Sherman Oaks, already under significant increase due to several large commercial developments in the direct vicinity of Buckley School. Please note that the school has over the decades, repeatedly promised the community to rectify the existing traffic

congestion and queuing, notably on Stansbury Ave., but has failed to do so. The tragedy which is certain to evolve with increased parking (of 100 additional spaces) and increased student enrollment is more than a prophecy; it is a certainty!

Originally, Buckley guestimated a construction period of some 10 years. Such a figure is dependent on a variety of factors, such as fund raising the $70 million for the project and so their new figure of 6 years, a massive burden for residents in itself, is highly suspect and unenforceable.

In addition, the environmental concerns of air and noise pollution, oak tree removal, zoological and paleontological impacts on the border of two state parks, are of a magnitude of their own.

Considering the multi-faceted issues involved and their potential gravity, we urge that Buckley be encouraged to redirect its efforts to establish an annex to its campus on a more appropriate site as a number of schools have opted to do.

Over 13,000 residents signed petitions to preserve this area, the largest virgin habitat on the north slope of the Santa Monica Mountains, east of the San Diego freeway. Please be responsive to the citizens of this community, city and state for whom this wilderness and educational scientific resource is considered vital and a legacy to our children and their children.

We look forward to your reply.

Sincerely,

Arnold Newman, Ph.D.
Director

AN:a

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March 10th, 2006

Mr. Jimmy Liao
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

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MAR 13 2006
ENVIRONMENTAL
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Re: The Buckley School (ENV-2004-7171 EIR)—Revised 2006

Dear Mr. Liao:

In February 2005, the Sherman Oaks Homeowners Association and its Concerned Neighbors of Buckley Committee presented you with a list of critical environmental concerns we had with Buckley's then proposed expansion plan/new-conditional use permit (CUP) application. This letter contains notice of the Sherman Oaks Homeowners Association and its Concerned Neighbors of Buckley School Committee's objections to the proposed expansion of the Buckley School Campus for the reasons set forth below.

The Sherman Oaks Homeowners Association is organized pursuant to the general nonprofit corporation law of the State of California. Its' specific purposes are to preserve and protect its members and the Sherman Oaks community's quality of life.

The Buckley School **("Buckley")** has just recently informed its neighbors that they have revised their application and are now applying to increase the size of their campus beyond what was previously proposed last year. Buckley has revised its plan with no community input or design consultation with it neighbors. It is our understanding that Buckley was informed by its engineers that its' previously planned subterranean parking structure could not retain the adjacent hillside, and must be relocated to another location on-site, thus the larger, *revised* expansion plan. **Therefore, this document shall serve as our revised list of environmental concerns and related issues and** request that the Environmental Review Section of the Department of City Planning include the environmental issues that are outlined in this letter in their Environmental Impact Report of the proposed Buckley School expansion.

At present, **the Buckley campus** includes approximately 99,000 square feet ("sf") of classrooms, administrative offices, and other facilities. Buckley's 2005 expansion plan proposed to increase that to approximately 153,000 sf, in addition to a 100,000 sf subterranean parking structure. It is our understanding that Buckley's larger, *revised* 2006 expansion plan now calls for approximately 169,000 sf, in addition to the approximately 100,000 sf subterranean parking

structure, and a increase in enrollment from 750 students to 830, plus additional faculty and administrative personnel required to support this significant increase in student population/facilities.

1. COMMERCIAL USE IN AN EXCLUSIVELY RESIDENTIAL NEIGHBORHOOD

The Sherman Oaks Homeowners Association and its Concerned Neighbors of Buckley Committee ask that the Environmental Review Section consider the following overriding concern of the entire Sherman Oaks community. The Buckley School is one of only a small number of K-12 independent schools in the entire city of Los Angles that is housed on just one campus. Further, Buckley is the only K-12/single campus school in the entire city that is situated at the terminus of a residential street with one means of ingress/egress—Stansbury Avenue.

It is unfortunate that the Department of City Planning did not consider the inappropriateness of this unique, residential location for a school back in 1965 when the original CUP privilege was granted to Buckley. **There is little doubt that Planning would never endorse a new CUP application today from any school that might wish to operate at this unique location.** The Community Plan for Buckley's current site is RE40-very low density residential. The campus is surrounded exclusively by single-family homes. In sum, this site is not appropriate for a school or any commercial use and Buckley is extremely fortunate that its current CUP has not been revoked for many of its past violations of the conditions imposed therein.

Now Buckley is applying the Department of City Planning to nearly double the size of its current facilities, increase the student population from 750 to 830, and add more on-site parking stalls to support the additional staff necessary to support its business.

The Sherman Oaks Homeowners Association and its Concerned Neighbors of Buckley Committee strongly encourage the Environmental Review Section to examine alternative ideas for Buckley's expansion including but not limited to "splitting" the campus to a second location as have other nearby schools, i.e., Harvard-Westlake and Oakwood.

Further, Buckley's larger, *revised* expansion plan will have several serious environmental impacts on the surrounding neighborhood and the greater Sherman Oaks community. There is absolutely no question that the larger, *revised* Buckley expansion will severely diminish the quality of life in our residential neighborhood, create enormous traffic gridlock on area streets, generate serious fire/life safety concerns for residents and Buckley students, create a danger to residents with construction vehicles traveling on residential streets from 6-7 years, and trigger serious environmental impacts on the adjacent hillside wildlife and vegetation.

We hereby request that the Environmental Review Section of the Department of City Planning include the serious environmental issues that are outlined in this letter in its Environmental Impact Report of the currently proposed Buckley School expansion.

2. INCREASED TRAFFIC/GRIDLOCK ON COMMUNITY STREETS

According to Department of Transportation (DOT) vehicular counts conducted during consideration of Buckley's CUP revocation in 1987, concluded that Buckley added "substantial traffic volumes on Stansbury Avenue and Valley Vista and local streets which traverse residential neighborhoods...approximately 1,500 vehicle trips per day are added to City streets by the school's operations." **Those findings were issued in 1987. Since that time, traffic conditions have grown increasingly worse in this area.**

Stansbury Avenue is currently burdened every day with approximately 3,500 vehicle trips (per Buckley's 2005 traffic study by Craine & Associates). Many of these vehicles are attempting to avoid the already gridlocked intersections of Beverly Glen/Ventura Blvd and Van Nuys Blvd. The community of Sherman Oaks is undergoing significant large scale real estate development with the addition of the following projects: the so-called "Mosaic" mixed-use (190 units plus 17,000 sf retail) condominium/retail project where Barone's restaurant is currently located, between Hazeltine and Calhoun Avenues, just where Stansbury tees into Ventura Boulevard. 4 blocks west, a new Walgreen's Drug store is planned at the corner of Colbath Avenue and Ventura Boulevard. Further, within one mile, the first-ever "big box" in this area, Best Buy is under construction (anticipated to open this year) at the corner of Van Nuys and Milbank Avenues; the shopping center housing "In-Out" restaurant is proposing to erect a 5 story 84 unit condominium project at the corner of Sylmar and Moorpark; numerous condominium projects have been approved between Woodman and Hazeltine Avenues; approximately 2 miles west, approved at the intersection of Sepulveda and Ventura Boulevards, is a five story, 50 unit mixed-use project; at the corner of Camarillo Avenue and Sepulveda, currently undergoing environmental review is another mixed-use project consisting of 500 residential units and 65,000 sf of ground floor retail. Buckley's excessive traffic each morning and afternoon is a tremendous hardship on residents and an expansion by the school will make traffic at these intersections intolerable. Again, there are several intersections in Sherman Oaks that are already burdened with Buckley's existing traffic (a) Ventura & Stansbury; (b) Beverly Glen & Valley Vista; (c) Valley Vista & Stansbury; (d) Ventura & Hazeltine; (e) Stansbury & Greenleaf; (f) Stansbury & Dickens; (g) Valley Vista and Camino de la Cumbre; (h) Beverly Glen & Mulholland; (i) Beverly Glen and Ventura; (j) Ventura and Van Nuys Blvd. (k) Valley Vista and Van Nuys Blvd.;(l) Hazeltine & Moorpark.

We ask that you consider the significant traffic impact of Buckley's larger, *revised* expansion in context with these additional projects. We ask that you consider the unprecedented amount of residential construction occurring within the residential area surrounding Buckley, in addition to the ever-increasing population of the community and vehicles using our residential streets to make their way back and fourth to West Los Angles every workday. **The cumulative impact of all these projects is already creating absolute gridlock on our neighborhood roads.**

Finding #8 of the 1987 City Plan Case no. 17967 (in response to the neighborhood's request to Planning for revocation of Buckley's CUP for failure to comply with conditions therein) stated:

"A Traffic and Parking Management Plan is needed to provide for the long term, orderly movement of people and goods to the school site. This will reinforce the viable function of the school and reduce the environmental impacts on residential neighborhoods." **Buckley's larger, *revised* expansion plan includes no provision for the creation of a Traffic and Parking Management/Mitigation Plan during and after construction. There is therefore no process for the "orderly movement of people and goods to the school site"; in fact, Buckley's larger, *revised* plan will only increase traffic as described above, since it also includes a 240+ stall subterranean garage, in addition to many additional on-grade parking stalls.**

3. IMPACT OF MASSIVE CONSTRUCTION

In February 2005, Buckley's proposed expansion plan increased the size of the school from its current 99,000 sf to approximately 153,000 sf, plus a 100,000 sf subterranean parking structure. It is our understanding that Buckley's larger, *revised* expansion plan actually **increases** the size of the school even more, to 169,000 sf, plus the proposed 100,000 sf subterranean parking structure with 240 stalls, in addition to dozens of on-site parking stalls. Moreover, the larger, *revised* plan also calls for construction of buildings as tall as 55' in direct violation of the Hillside Ordinance and the Mulholland Scenic Parking Specific Plan.

The magnitude of Buckley's proposed 6-7 year construction/expansion will absolutely overwhelm its residential neighborhood with construction vehicles, dirt hauling, diesel fumes, dust, air pollution, vibration, and deafening construction noise.

Buckley's proposed 6-7 year timeframe for completing its larger, *revised* expansion plan is predicated on a $70 million capital campaign to finance all construction. The Sherman Oaks Homeowners Association and its Concerned Neighbors of Buckley Committee are extremely concerned that this proposed timeframe for construction could be significantly extended if Buckley's fundraising efforts are unsuccessful.

There is only one practical route for construction vehicles in and out of the Buckley campus--Stansbury Avenue. Stansbury is zoned RE15 (low density residential). It is an overwhelming burden on the quality of life for families who live on Stansbury, and the feeder streets, to endure 6-7 years of construction vehicles passing their homes. It is also extremely dangerous for single-family homes to live in a commercial construction zone for 6-7 years. There are dozens of young families with small children living on Stansbury. Buckley's 6-7 year construction project puts the **health and safety of residents (children) at risk.**

4. DRAINAGE OF THE CANYON SURROUNDING BUCKLEY AND HYYDROLOGY (EXCAVATION IN NEAR PROXIMITY TO SUB-SURFACE WATER STREAMS.)

At present, there is terrible drainage of the canyon. A 100,000 square foot, two level subterranean parking structure is being proposed. We ask that the Environmental Review Section examine the effect of this structure on the drainage of the canyon and the underground streams. Presently no water is allowed to drain down into the lowest part of the canyon where Buckley resides. It is essentially a wetland. A stream that flows south of Buckley is diverted to flow underneath the campus. Buckley has had frequent flooding during storms. How will this affect their proposed semi-subterranean parking structure? Recently, there was a terrible landslide in this fragile canyon, which blocked Camino de la Cumbre for two days and flowed directly into Buckley's back parking lot. Camino de la Cumbre becomes a storm drain with each significant rain because water is sand bagged and diverted from flowing into the lowest part of the canyon where Buckley resides.

5. ON-SITE OAK TREE REMOVAL

We ask that the Environmental Review Section examine the number of Oak trees required to be removed by Buckley's expansion and any other vegetation that currently helps to sustain and support the surrounding hillsides.

6. BUILDING HEIGHT-VIEW FROM ADJOINING SINGLE –FAMILY HOMES

Buckley's current campus consists primarily of one-story structures. The larger, *revised* expansion plan calls for construction of multi-story structures, which are believed to be as high as 55 feet. This is in direct violation of height limits imposed by the Hillside Ordinance and the Mulholland Scenic Parkway Specific Plan. Finding #2 from the City Plan Case no 17967 from 1987 stated the following "One of the objectives of the District Plan is "to encourage the preservation and enhancement of the varied and distinctive residential character of the District". The subject property is situated on RE40 zoned land and is surrounded by "low" density single-family homes. Construction of multi-story, institutional structures is inconsistent with the surrounding residential neighborhoods and violates the law. **Further, it is destroys the view shed for all families living on the streets who overlook the campus including but not limited to Beverly Ridge Drive, Coy Drive, Camino de la Cumbre, Camino de Solana, Mulholland Drive, and Beverly Glen Drive.**

The Sherman Oaks Homeowners Association and its Concerned Neighbors of Buckley School Committee strongly object to Buckley's proposal to be exempted from height restrictions specified in the Hillside Ordinance and Mulholland Specific Plan that govern construction in the hillside community.

7. AIR POLLUTION FROM PROPOSED 100,000 + SF SEMI-SUBTERRANEAN PARKING STRUCTURE—MECHANICAL VENTILATION

8. EMISSION OF FRIABLE ASBESTOS DURING DEMOLITION

9. BUILDING CONTINGUOUS TO FOSSIL RIDGE STATE PARK

Buckley borders on Fossil Ridge State Park on its southern and eastern boundaries. The establishment of Fossil Ridge State Park and nearby Oak Forest Canyon Park was a keystone landmark in habitat and paleontological resource preservation for the City of Los Angeles and the State of California. In 1998, Buckley's prior expansion plan was soundly defeated after a widespread out cry from a diverse number of organizations and state officials that included the Sierra Club, The International Society for the Preservation of the Tropical Rainforest, the Ecology Science Center of Southern California, the Federation of Hillside and Canyon Associations, the San Fernando Valley Federation , SOHA, the Santa Monica Mountains Conservancy, then State Senator Tom Hayden and former Los Angeles City Councilman Michael Feuer.

10. EFFECT ON WILDLIFE IN FOSSIL RIDGE STATE PARK

A petition with over 13,000 signatures supported the creation of Fossil Ridge State Park immediately adjacent to The Buckley School. The canyon is appreciated by the immediate neighborhood and the greater community. Fossil Ridge is a preserve for a wide variety of wildlife including deer, raccoons, skunks, owls, hawks, rabbits, pheasants, coyotes, possums and wildcats.

It is our understanding that The Buckley School is proposing to create walking paths for its students on State Park property.

The Sherman Oaks Homeowners Association and its Concerned Neighbors of Buckley Committee ask that the Environmental Review Section study the impact of Buckley's larger, *revised* expansion plan on the adjacent State Park, its vegetation and its wildlife, both during construction and after completion.

11. FIRE / LIFE SAFETY CONCERNS

Stansbury Ave. and Camino de la Cumbre are the only means of ingress/egress for emergency vehicles to provide services to The Buckley School. In an emergency during school hours, i.e., earthquake or fire (on campus or in the surrounding canyon), it is inevitable that hundreds of Buckley parents will drive to the school to pick-up their children. With emergency vehicles driving up Stansbury to provide life safety services to Buckley and area residents, and residents using Stansbury to evacuate their homes, our community faces a "disaster waiting to happen". Adding more school buildings on-site and increasing enrollment will only magnify this tragedy.

Camino de la Cumbre is a sub-standard street (16' wide). When used by emergency vehicles to service Buckley, there would be no evacuation route for the 300+ homes along Camino de la Cumbre, Coy Drive and Camino de Solana.

The Sherman Oaks Homeowners Association and its Concerned Neighbors of Buckley Committee demand that the Environmental Review Section carefully examine our fire/life safety concerns. **We also demand that Buckley comply with all Fire Department regulations governing emergency vehicle access, hydrants, and means of ingress/egress.**

12. HAUL-ROUTE (EXPORT OF THOUANDS OF CUBIC YARDS OF DIRT

What would the impact be of transporting/exporting thousands of cubic yards of dirt from Buckley's campus? The only route in-out of the site is Stansbury Avenue, which is residential street. We ask that the Environmental Review Section study the number of truck-trips that would be required by all proposed excavation, the dust generated, the impact these heavy vehicles will have on our roadways, the diesel fumes, the vehicle noise, and the inevitable queuing of dirt trucks in front of the driveways of homes in the neighborhood, and **along Ventura Boulevard and any other potential haul routes.**

13. QUALITY OF LIFE

Finding # 4 from the 1987 City Plan Case No. 17967 stated "A substantial number of complaints have been received from residents of the neighborhood concerning the activities at the school and conduct of students and other who have visited the facility over the years including poor driving conduct, excess parking, spilling into adjacent residential neighborhoods and commercial activities upon the site which conflict with the peace and enjoyment of the neighborhood residents."

Finding #6 stated that there appears to be a correlation between the leasing of school facilities to other entities along with evening and weekend operation and environmental impacts associated with them."

Since that time, the situation has grown worse: Buckley students (and their parents) continue to speed up and down Stansbury and Camino de la Cumbre, littering along neighborhood streets, and students convene south of the school where there is smoking of cigarettes and other questionable behavior.

14. VIOLATIONS OF ITS CURRENT CONDITIONAL USE PERMIT CONDITIONS

The Sherman Oaks Homeowners Association and its Concerned Neighbors of Buckley Committee are extremely concerned about Buckley's long-standing and continuous violations of the conditions imposed under its existing CUP. According, we have little confidence in Buckley's promises to adhere to new conditions should they be imposed. Lastly, we are concerned because Buckley has refused to agree to any lifetime cap in enrollment.

Finding #13 of City Plan Case No. 17967 stated "there is sufficient evidence to suggest a pattern of conduct by the school which is inconsistent with Condition No 12 (adequate parking) and Condition No. 14 (due regard for the adjacent residential area) which were previously imposed and, that to further safeguard against the disadvantageously affecting the surrounding residential community, the Commission is imposing Conditions Nos. 15 through 23

Finding #14 of the additional Conditions of Approval (No 15-23) "are necessary to protect the best interest of the surrounding property, to eliminate operations that are incompatible with the surrounding properties and to insure an appropriate development in harmony with the General Plan".

The Environmental Review Section should be reminded that the Department of City Planning conducted a public hearing in 1987 to consider the revocation of Buckley's CUP based on the school's failure to comply with traffic mitigation conditions. The result of these hearings was additional conditions added to its CUP, many of which Buckley has also violated:

- Buckley has "over-enrolled" in five of the last 8 years. Condition# 1 of the CUP limits the school to 750 students. Buckley has exceeded this limit 5 times since 1996. In fact, in 2004, it had 762 students enrolled-12 beyond the CUP limit.

- Buckley's "traffic and management plan" drafted in 1988 per Condition #22 of their CUP has failed to solve the continued traffic congestion problem on Stansbury Ave. Buckley's expansion plan does not alter the fact that Stansbury is a cul-de-sac street, in a residential neighborhood, and Camino de la Cumbre is a substandard street that is only 16 feet wide. The proposed subterranean parking structure with its additional spaces will just mean additional traffic servicing a larger school, to the detriment of the neighborhood.

- Buckley continuously ignores Condition #23 of it CUP, which requires notice to all residents within 600 feet of the school that its calendar of extracurricular activities and events is

available at the Planning Commission, office of the Council member, and residents on Stansbury north of Valley Vista.

- Buckley has refused to provide sufficient evidence for neighbors to determine if the school is in compliance with Condition 19, which places reasonable limits on extracurricular activities and events on weekends and evenings. In response to our most recent request for this information, Buckley responded with an "attorney letter" from its counsel informing neighbors that "this requirement was limited to only three years beginning with the fall 1987 semester" and that it would no longer provide this information.

- Buckley has continuously failed to comply with Condition #15 of its CUP-the annual filing of its school census with the Planning Department. This filing was only recently done after neighbors appealed to Councilman Weiss for his assistance.

The Sherman Oaks Homeowners Association and its Concerned Neighbors of Buckley Committee greatly appreciate your careful consideration of the serious environmental impacts that Buckley's proposed expansion will have on the community.

We look forward to being part of the continuing review process. We are also relying on the Environmental Review Section to help preserve the residents' right to enjoy a decent quality of life without the massive encroachment of a commercial use being in their exclusively residential neighborhood.

Thank you for your thorough consideration of our concerns.

SHERMAN OAKS HOMEOWNERS ASSOCIATION

By: Ellen Vukovich
Member, Board of Directors

CONCERNED NEIGHBORS OF BUCKLEY SCHOOL—COMMITTEE OF THE SHERMAN OAKS HOMEOWNERS ASSOCIATION

By: Robert Fox, Chair, Barbara Case, Arnold Newman, Henry Lipson, Steve Weiss, Members—Executive Committee

cc. Councilman Member Jack Weiss, Council District #5
Bonnie Kopp, Planning Deputy
Denise Sample, Chief of Staff

ROBERT M FOX AND ISABELLE FOX
3929 STANSBURY AVE
SHERMAN OAKS, CA 91423
TEL: 818.788.8796 OR 310.275.8227 Fax: 818.788.8369
EMAIL: foxbethere@aol.com

Jimmy C. Liao, City Planner/Project Coordinator 3-13-06
Environmental Review Section-Department of City Planning
200 N. Spring Street, Room 750, Los Angeles, CA 90012

EAF NO.: ENV 2004-7171 EIR SCH NO.:2005011055
PROJECT NAME: THE BUCKLEY SCHOOL CAMPUS ENHANCEMENT PLAN
PROJECT ADDDRESS: 3900 Stansbury Ave

Dear Mr. Liao:

My wife-Isabelle Fox-and I live at 3929 Stansbury Ave. We are the next door neighbors to Buckley. I am also Chair of "CONCERNED NEIGHBORS OF BUCKLEY SCHOOL" which is a California State Chartered Unincorporated Association (No 4680). We are a committee of the SHERMAN OAKS HOMEOWNERS ASSOCIATION-("SOHA"). But I wish to emphasize that we are writing to you as private citizen –homeowners. I do not claim to be speaking for our hundreds (or thousands) of members and supporters, although I do know that many of them share my views. And, by 3-13-06 (today) you will have heard, officially, from SOHA and our committee.

FOLLOWING ARE THE CONCERNS THAT WE SUGGEST BE CONSIDERED IN THE PREPARATION OF THE EIR:

1 THE PLANNED 52 FT (PLUS MECHANICAL EQUIPMENT) BUILDING HEIGHT VIOLATES LAW, REASON AND AESTHETICS

Buckley has informed us that the planned MAIN ACADEMIC CENTER-shown in your letter on the East side of the campus south of the present parking lot-will stand 45 ft above ground level and will also have 7 feet of equipment. This is a total of 52 ft. An "eyesore" building of this excessive height clearly has no place in our single family low density neighborhood. Not only does it violate the **36** ft Hillside Ordinance limit; it is **13** ft higher from ground level than the (**39** ft high)

Disney Pavilion. (The average viewer does not project "roof lines" but sees height from ground level to the top).

2 THE INCREASED TRAFFIC BURDEN THAT WILL BE IMPOSED BY ADDING 80 STUDENTS (PLUS STAFF) TO THE 750 EXISTING STUDENTS

If Buckley is allowed to add **80** students to its present **750**, this actually means **almost 100 more persons** each day after adding about **15-16** teachers and staff to the **160** who exist today-(Nor do we include maintenance personnel). These figures were specifically stated at p. i of the 2005 Traffic Study conducted by Crain & Associates) in May 2005 and submitted to LADOT. Also, I want to draw your attention to this fact: of all the 76 schools in Los Angeles City and County (who are members of the Cal. Assn. of Ind. Schools), **Buckley is the only one whose sole means of student-parent ingress and egress is at the "dead end" (cul de sac) of a narrow -36 ft-residential street-Stansbury.** (The Camino entrance is sub-standard and cannot be used during the day.) Unquestionably, if this 18 acres were now vacant and a school like Buckley wished to locate there the application would be rejected. As it is today, before any expansion, almost **1000** persons must enter and exit each day through the Stansbury (cul de sac) portal-**750** students, **160** teachers and staff, plus maintenance personnel. Residents in the Coy and Witzel area (just East of the Valley Vista-Stansbury intersection) tell me that every morning when they go to work they have trouble going West on Valley Vista as they try to reach Beverly Glen. And projects like the Barone complex, at the intersection of Ventura and Stansbury, Best Buy-at Moorpark and Van Nuys, plus others in the offing, will swell traffic in the area in the years to come. We shudder to think what would happen if there were a fire, earthquake or other similar disaster in this area. Just think of the specter of parents clogging this Stansbury cul de sac to retrieve their **750** students-and all at the same time-while fire trucks and ambulances impossibly compete for the same space. It is a nightmare waiting to happen! And this is now, before any expansion.

3 THE INCREASE IN SIZE FROM 99,150 SQ FT TO 168,650 SQ FT –PLUS 100,000 SQ FT FOR THE GARAGE (268,500 TOTAL)

Presently Buckley has about 99,150 sq ft of floor area. The original (2004) plan added 53,750 sq ft, but this has now been increased to 69,500 sq ft, making a total of 168, 650. And all of this is in addition to the 100,000 sq ft garage which will provide 240 spaces in addition to surface parking. If enrollment is capped at 750-or even at 830, does this huge increase in size make any sense?

4 CONSTRUCTION NOISE AND AIR POLLUTION FOR AT LEAST 6 YEARS-AND MORE IF THERE IS DIFFICULTY IN RAISING THE REQUIRED 70 MILLION

We are told that this expansion project will take 6 years (or more if fund raising runs into trouble) and that the cost is estimated at 70 million. This is at least 6 years of much construction noise, dust and neighborhood pollution in our narrow confined canyon-with Fossil Ridge State Park on the East and South, and the Camino de la Cumbre etc. hillside, studded with single family homes, on the West and South. **This canyon will act as a natural sound amplifier of construction noise**, and we hope the EIR will carefully consider its "**megaphone**" effect on the surrounding neighbors.

So, where does this leave neighbors like us? Do we not need to breathe, see and hear? We are-respectively-81 and 79 years of age. We have enjoyed our home for 46 years. (We moved here 5 or 6 years before Buckley arrived.) We hoped that Buckley would be a good neighbor, and it is ironic that-so many years ago- I appeared before the Los Angeles City Council on behalf of Dr. Isabelle Buckley .

We hope that the concerns raised will be considered as the EIR is prepared. We rely upon the DEPARTMENT OF CITY PLANNING and other governmental entities to protect us.

Sincerely,

Robert M Fox Isabelle Fox Tel: 310.275.8227 or 818.788.8796

ARTHUR and SONI FIELDS
4023 Dixie Canyon Ave.
Sherman Oaks, California 91423
Telephone: (818) 907 - 5233
Facsimile: (818) 906 - 0441
E-mail: arthurfields@hotmail.com

March 13, 2006

Mr. Jimmy Liao, City Planner/Project Coordinator
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

Re: The Buckley School Campus Enhancement Plan

Dear Mr. Liao:

We live close to the Buckley School and want to express our support of the revised Buckley Campus Enhancement Plan. We believe the school has tried to be very responsive to its neighbors by redesigning the project in order to move the new buildings back from the street which leads to some of the homes in the area.

The revised plan also will eliminate the need to haul away large amounts of soil, which was the main concern expressed by the neighbors living on Stansbury Avenue, because of the number of trucks that would have been required to move the soil. The new plan will require very few trucks to haul soil. That is a major improvement over the old plan. Also, less dust will be in the air because there will be much less grading than would have been required under the old plan.. Although the new buildings in the revised plan will be somewhat taller than in the old plan, that will result in less grading and very little dirt hauling.

We also note that the revised plan will take less time to complete. That will be better for all, including students, teachers, parents and the neighbors, because it will result in less disruption to school activities and the neighborhood. We are aware that construction projects, including the many home renovations in the neighborhood, may create some inconvenience, however, the revised Buckley plan offers many improvements and will be far less disruptive compared to the prior plan. Therefore, we urge the City to approve this project quickly so the Buckley school can start work on the plan as soon as feasible.

We are most appreciative of your consideration of our comments on this pending matter.

Sincerely,

A&S Fields

Arthur & Soni Fields

Kaye Bernstein
3900 Kingswood Road
Sherman Oaks, California 91403

March 13, 2006

Mr. Jimmy Liao, City Planner/Project Coordinator
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

Re: The Buckley School Campus Enhancement Plan

Dear Mr. Liao:

I am a member of the Board of Trustees of The Buckley School and a Board member of the Sherman Oaks Neighborhood Council. I also live in Sherman Oaks just south of Valley Vista & East of Woodcliff Road. As a member of the Board, I have been actively involved with the Campus Enhancement Plan project and write today to describe some of the important changes that we have made to the project to address our neighbors' concerns. Additionally, as a member of the community I feel strongly that we need to support the enhancement and maintenance of all of our local schools.

The Buckley School has been proactive in seeking the input of our neighbors' concerns regarding this project. As an example, the amount of excavation and hauling that would have been required under the old plan presented in January 2005 was a primary reason for the review that resulted in the current changes to the plan. The revised Buckley Campus Enhancement Plan locates the new buildings near the center of the campus away from the closest neighbors' homes and balances the cut and fill on site, thereby eliminating the need to have weeks of trucks hauling away soil. With less excavation and grading, there will be less dust created. This also is one of the reasons why the revised Campus Enhancement Plan can be built in a shorter time period.

In order to accomplish this balancing of cut and fill, the buildings will have to be a few feet taller than the old plan. I believe that eliminating the need for hauling justifies our request for slightly taller buildings. The old plan used more outdoor circulation between classrooms. In order to consolidate the new buildings near the center of campus, the buildings require more interior hallways, which slightly increases the total floor area of the project compared to the old plan.

I think the Board of Trustees and the School's Administration has worked hard to address the neighbors' concerns. The Buckley School has been part of the Sherman Oaks community for over 40 years and looks forward to many more years as a good neighbor.

Sincerely,

Kaye Bernstein

Michael Vandemore and Pamela Kutsunai
4011 Stansbury Avenue, Sherman Oaks, California 91423

March 10, 2006

Jimmy C. Liao
City Planner/Project Coordinator
Environmental Review Section-Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

EAF NO.: ENV 2004-7171 EIR SCH NO.:2005011055

Re:**THE BUCKLEY SCHOOL CAMPUS ENHANCEMENT PLAN**

Dear Mr. Liao:

After reviewing the materials sent by your office to the residents affected by the proposed Buckley School Campus Enhancement Plan, I would like to add our voices to the many residents who are deeply concerned by the proposed construction at the Buckley campus.

Although I recognize that Buckley has made some compromises in response to the concerns of residents, I feel that many of the most objectionable elements of the proposal still remain in place, or in some cases have been made worse by expanding the requirements of the original proposal.

Over Population: Buckley continues to pursue an increase of 80 additional students to add to the already logistically taxing population of 750 students plus 200 faculty, staff and maintenance personnel. (Quite obviously the actual number would be higher because 80 more students would require a proportionate increase in teachers and staff.)

As homeowners who live within a couple hundred yards of the campus I can tell you that we already face a twice daily tsunami of cars flooding the street to drop off and then later retrieve the entire population of the school. (For a mental picture imagine the 405 freeway during rush hour). In the unhappy event you want to leave your home during either of these traffic jams, you are forced to fight your way on to Stansbury amidst a torrent of impatient drivers who are more committed to getting in and out as quickly as possible than to extending social courtesy to any resident who might obstruct their mission. Add to that an additional 80 to 100 cars for new students and staff and you've made a bad situation even worse.

Beyond the obvious annoyance of increasing traffic volume, I agree with others that it raises a serious question as to how that many people could be safely evacuated from the campus in the event of an emergency. I'd be shocked if building and safety codes would permit such an arrangement today.

6 Years (or more) of Construction: Buckley now estimates that the proposed construction project will take as little as six years, down from the original ten years. At the risk of sounding unappreciative, six years of dirt, noise and truck exhaust from a constant procession of construction crews just seems like too much to ask from nearby homeowners who neither want nor benefit from the campus expansion. Our reward for enduring nine months of twice daily traffic jams appears to be **six years** of summers filled with house

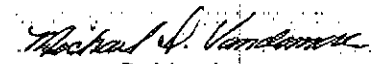
rattling heavy equipment driving up and down Stansbury. Thanks, but no thanks.

Bigger not always better: Although not mentioned in your letter, I am told that the main building to be situated on the East side of the campus will measure 45 feet in height plus various roof top equipment which will bring the total close to 52 feet. While those might be modest proportions for an office complex built in Century City, it's hardly the size of structure you would choose as your neighbor in an otherwise well spaced and generally quaint collection of one and two story homes. Simply put, it changes the appearance of the area from a quiet residential street to something more like an industrial park. Buckley's new plan only adds to this problem by seeking and additional 69,500 sq ft, up from the 2004 plan of 53,750, in addition to the already requested 100,000 sq ft of parking garage.

Buckley will pursue all of these changes under the politically appealing banner of necessities required in order to improve the education of their students. Fair enough, but let's not forget this is not some outreach program for the under privileged or even a school available to the average middle class family (aside from the fortunate few who get scholarships). Buckley's stated tuition (plus fees) for 2005-2006 is $26,625. (For comparison, Harvard University is $28,752, UCLA is $6,522). This is a **private** school for the well to do who have plenty of other options for their children, including public schools. Education is a right; being educated on a tree lined street in a quiet neighborhood in Sherman Oaks is not. The generous conditions that Buckley School agreed to abide by when they first established their campus on Stansbury Avenue have not changed, just their appetite for a bigger facility. It is hard to imagine that even their existing campus would be permitted today if for no other reason than it raises serious environmental and safety issues. If they no longer find Stansbury a suitable address for their ambitious campus expansion, then perhaps the 70 million dollars sought for the proposed additions would be better spent investing in a new location that could accommodate their needs.

Thank you for taking the time to read this and I appreciate the attention and consideration that your office and the City Planning Commission are putting into reviewing the Buckley School Campus Enhancement Plan.

Respectfully,



Michael D. Vandemore

Ps - If you need any additional information feel free to contact me at my office: (818) 487-3900.

From: <RoySchmidt@aol.com>
To: <jliao@planning.lacity.org>
Date: 3/13/2006 7:16:47 AM
Subject: Comment on Buckley School Campus Enhancement PlanThank you for the opportunity t

Thank you for the opportunity to comment on the Buckley School Campus Enhancement Plan, EAF No.: ENV-2004-7171 EIR, SCH NO.: 2005011055.

I live on Hollyline Avenue, essentially one block east of the Buckley Campus. My principal concern with the Buckley Enhancement Plan is that it does not address the considerable stress on the surrounding neighborhood caused by vehicle traffic. That is a real problem now, and it is only going to get worse by adding more students. Also, I suspect that, as a result of adding the additional facility space in this plan, in later years there will be a proposal to further increase the student body coupled with the assertion that this should be no problem because it can be accomplished without the need to add additional building area.

The school is at the end of a dead end street in what should be a quiet residential neighborhood. I am sure the original planning and conditional use permit contemplated a student body considerably smaller than what Buckley has presently and considerably less traffic. I think whoever does the EIR should sit at the corner of Stansbury and Valley Vista in the morning when students are being dropped off and in the afternoon when they are being picked up. The situation is terrible now and will get worse if this proposal is implemented. The fact that the plan includes different queuing improvements does not solve the traffic problem. The key is to decrease (or at least not increase) the number of vehicle trips.

I strongly urge you to impose traffic mitigation measures designed to prevent any increase in the number of vehicle trips to and from the campus per day. This can be done by requiring carpooling, the use of buses, or establishing a drop-off and pickup point north of Ventura Boulevard (perhaps with a shuttle). I am sure that an experienced planner could come up with a number of other ways to limit traffic. Another stricter way to accomplish the same result would be to limit the size of the student body to the present level. If the City is going to permit the increase of 80 students, I strongly urge that the new conditional use permit have preemptive language to the effect that the increase in the square footage of facilities shall not constitute a basis for further increasing the size of the student body in future years.

Regardless of how the traffic mitigation measures are implemented, it is critical that there be some means for the neighbors to enforce them. This could include an express provision in the conditional use permit imposing stiff fines on the school and/or an express provision stating that neighbors can seek a court injunction and recover their attorneys' fees if they prevail. This would be in addition to all other remedies available, including revocation of the conditional use permit for extreme or repeated violations. Also the school should be required to monitor the number of trips on a periodic basis (e.g. four times per year), and the most senior school official should be required to certify in writing to the Department of Planning each time as to the number of vehicle trips.

Thank you for your attention to this matter.

Roy Schmidt
3817 Hollyline Avenue
Sherman Oaks, CA 91423
818-783-4572
royschmidt@aol.com

From: <BDOURMASH@aol.com>
To: <jliao@planning.lacity.org>
Date: 3/13/2006 8:16:39 AM
Subject: Buckley School expansion

Dear Mr. Liao - Please include the documents we forwarded to you last year regarding our strong opposition to the proposed Buckley School expansion in your current review, which I am assuming would still be in your file. The issues remain the same - massive overdevelopment on a limited site, significant aggrevation of the existing traffic problems, severe restriction of emergency access to and from the campus, etc. Should you not have my documents please let me know and I wil get you new copies right away.
Thank you.
Barbara Case
tel # 818 995-3997

From: Kristin <kristin@nuanceprod.com>
To: <jliao@planning.lacity.org>
Date: 3/13/2006 9:53:13 AM
Subject: Buckley school expansion/CUP

Dear Mr. Liao-

I'm a concerned resident, and father of two young children, living at 4050 Stansbury Avenue.

I have been involved with discussions between my fellow neighbors and various Buckley administrators for the past nine years that I lived here over their current traffic and safety issues, as well as their proposed expansion.

While we're proponents of public education and the common sacrifices we all must make, I firmly believe that a private entity must adhere to the community's and governments established guidelines, and not be allowed variances. Ithas been pointed out to your office the many infractions that Buckley has committed in violating their current CUP guidelines (student enrollment, nighttime activities, parking violations). It does'nt make sense for the organization to which I pay my taxes to allow this continued and expanded opportunity for infractions. It seems like a reward for their having ignored the existing traffic and safety guidelines.

I wrote a previous letter detailing how my father and sister were killed 24 years ago in the West Hills area at an intersection where the city council person (Joy Picus) and LADOT were petitioned by all the neighbors to install an additional stop sign. A young kid speeding hit my father and sister, killing them upon impact. A Stop sign was erected the next day. The amount of existing traffic that Buckley generates, as well as the traffic utilizing Stansbury to get to Beverly Glen, cannot co-exist in the morning rush hour with the slow-moving construction trucks (Grading equipment, Demo trucks, hauling trucks, materials delivery-lumber, concrete, et al). All's it will take is one unintended consequence for someone to get hurt or killed. It is grossly unfair for our neighborhood to be held hostage to such unsafe conditions so that one of the most expensive and exclusive private schools can expand. I'm begging you to consider that law of unintended consequences as you consider Buckley's expansion request.

Thank you,

Craig & Allison Knizek
4050 Stansbury Avenue
Sherman Oaks, CA
818-754-5484

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • www.aqmd.gov

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February 22, 2006

Mr. Jimmy C. Liao, City Planner/Project Coordinator
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

Dear Mr. Liao

Revised Notice of Preparation of a Draft Environmental Impact Report for
The Buckley School Campus Enhancement Plan

The South Coast Air Quality Management District (SCAQMD) appreciates the opportunity to comment on the above-mentioned document. The SCAQMD's comments are recommendations regarding the analysis of potential air quality impacts from the proposed project that should be included in the Draft Environmental Impact Report (EIR). Please send the SCAQMD a copy of the Draft EIR upon its completion. In addition, please send with the Draft EIR all appendices or technical documents related to the air quality analysis and electronic versions of all air quality modeling and health risk assessment files.

Air Quality Analysis

The SCAQMD adopted its California Environmental Quality Act (CEQA) Air Quality Handbook in 1993 to assist other public agencies with the preparation of air quality analyses. The SCAQMD recommends that the Lead Agency use this Handbook as guidance when preparing its air quality analysis. Copies of the Handbook are available from the SCAQMD's Subscription Services Department by calling (909) 396-3720. Alternatively, lead agency may wish to consider using the California Air Resources Board (CARB) approved URBEMIS 2002 Model. This model is available on the SCAQMD Website at: www.aqmd.gov/ceqa/models.html.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the project and all air pollutant sources related to the project. Air quality impacts from both construction and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, that is, sources that generate or attract vehicular trips should be included in the analysis.

Consistent with the SCAQMD's environmental justice enhancement I-4, in October 2003, the SCAQMD Governing Board adopted a methodology for calculating localized air quality impacts and localized significance thresholds (LSTs). LST's can be used in addition to the recommended regional significance thresholds as a second

indication of air quality impacts when preparing a CEQA document. Therefore, when preparing the air quality analysis for the proposed project, it is recommended that the lead agency perform a localized significance analysis by either using the LSTs developed by the SCAQMD or performing dispersion modeling as necessary. Guidance for performing a localized air quality analysis can be found at http://www.aqmd.gov/ceqa/handbook/LST/LST.html.

It is recommended that lead agencies for projects generating or attracting vehicular trips, especially heavy-duty diesel-fueled vehicles, perform a mobile source health risk assessment. Guidance for performing a mobile source health risk assessment ("Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis") can be found on the SCAQMD's CEQA webpages at the following internet address: http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html. An analysis of all toxic air contaminant impacts due to the decommissioning or use of equipment potentially generating such air pollutants should also be included.

Mitigation Measures

In the event that the project generates significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized during project construction and operation to minimize or eliminate significant adverse air quality impacts. To assist the Lead Agency with identifying possible mitigation measures for the project, please refer to Chapter 11 of the SCAQMD CEQA Air Quality Handbook for sample air quality mitigation measures. Additionally, SCAQMD's Rule 403 – Fugitive Dust, and the Implementation Handbook contain numerous measures for controlling construction-related emissions that should be considered for use as CEQA mitigation if not otherwise required. Other measures to reduce air quality impacts from land use projects can be found in the SCAQMD's Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning. This document can be found at the following internet address: http://www.aqmd.gov/prdas/aqguide/aqguide.html. Pursuant to state CEQA Guidelines §15126.4 (a)(1)(D), any impacts resulting from mitigation measures must also be discussed.

Data Sources

SCAQMD rules and relevant air quality reports and data are available by calling the SCAQMD's Public Information Center at (909) 396-2039. Much of the information available through the Public Information Center is also available via the SCAQMD's World Wide Web Homepage (http://www.aqmd.gov).

The SCAQMD is willing to work with the Lead Agency to ensure that project-related emissions are accurately identified, categorized, and evaluated. Please call Charles Blankson, Ph.D., Air Quality Specialist, CEQA Section, at (909) 396-3304 if you have any questions regarding this letter.

Sincerely,

Steve Smith

Steve Smith, Ph.D.
Program Supervisor, CEQA Section
Planning, Rule Development and Area Sources

SS:CB:li

LAC060216-01LI
Control Number

From: "Sam Krane" <Sam@kranesmith.com>
To: <JLIAO@planning.lacity.org>
Date: 3/13/2006 10:03:44 AM
Subject: bUCKLEY

dear Mr. Liao

My wife and I have lived at 4073 Stansbury Ave since 1981. For the past 25 yrs, The Buckley school has caused an intolerable traffic problem, and now has an application for a new CUP that will allow an increase in students, which will result in even more traffic. In addition they want to embark upon a 5-7 yr expansion program, including the construction of a 2 story underground parking facility, which will require the transport of some 50 cubic yes of dirt. This will result in approximately 8-10 thousand trucks up and down Stansbury ave, which has ever increased traffic since the city prohibited the use of Camino De La Cumbre as an access to Valley Vista. This is intolerable. Also, a 5-7 yr construction period is unprecedented, and will cause yrs of pollution and noise that is inconsistent with a single family neighborhood.

It's now patently obvious that the city made a mistake in ever allowing a private school in a location with limited auto access, at the end of a cyn, in a single family residential area. Buckley now wants to compound the initial error by inviting a more calamitous error by allowing this expansion and over whelming construction The city can at least ameliorate the situation by taking into account the concerns of the neighborhood.

THE NEIGHBOOOD HAS LIVED WITH BUCKLEY AND ACCOMMODATED ITS NEEDS. IT IS NOW TIME FOR BUCKLEY TO SACRIFICE FOR THE NEIGHBORHOOD. IT SHOULD ELIMINATE THE PARKING STRUCTURE AND REQUIRE ITS STUDENTS TO OFF SITE PARK AND BE BUSED TO SCHOOL. IF BUSING IS GOOD ENOUGH FOR SOME PUBLIC STUDENTS, IT SHLD BE GOOD ENOUGH FOR PRIVATE STUDENTS.

PLS REMEDY THE SITUATION.

SAMUEL AND SUSAN KRANE

From: <paul@tssla.com>
To: "'Jimmy C. Liao'" <jliao@planning.lacity.org>
Date: 3/13/2006 3:21:11 PM
Subject: Buckley School

Paul Layton
4001 Stansbury Ave
818 789-5428

I am another neighbour of Buckley school.
I need to be brief.

I can validate all points of objection made by my neighbours.

I strongly object to the proposed expansion of buildings.
I vehemently oppose the planned underground parking,
And any increase in the enrollment.

I have a 5 & 8 yr old attending local private school.
I understand the needs of schools & parents.

I would even consider Buckley as a potental school for my kids in the future.

But what is their motivation ??$

Buckley traffic means my house becomes inexcessible at certain times making car pooling pretty much impossible.
Intersection overload is one major problem, proposed changes will worsen the problem.

I moved here understanding they operate under a CUP.

Thank you for your time.
Sincerely
Paul Layton

CC: <paul@tssla.com>

March 13, 2006

Mr. Jimmy Liao
City Planner
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

Dear Mr. Liao:

I am writing you regarding the proposed Buckley School expansion in a Sherman Oaks residential neighborhood. Having lived across the street from the Buckley School for 13 years, I am quite familiar with how the school functions and neighborhood concerns about the project. The following items need to be addressed:

1. Although the projected building time has been shortened from the original Buckley School proposal, the new proposed schedule is still arduous at best. In addition, when has a construction project ever finished on time? The amount of noise on a daily basis and dirt and dust released in the air will be excessive. The proposed square footage is like building twenty-three 3,000 square foot homes! Having lived though one summer project when the city of Los Angeles had to repair sewer lines at the Buckley School, I can tell you it was a most unpleasant experience. The noise and dust reverberated throughout the canyon and the project was not completed on time.

2. I also question why the school has to add so much square footage. This is, after all, a business in a residential neighborhood, and it would be considered a large addition for any business. I think it is reasonable to do some updating of the school, but their proposal is excessive. As a business being run in a residential neighborhood, there have been difficulties in the past, so we as neighbors must anticipate problems in the future. There have been after hours work done and events that have not complied with their current conditional use permit. The city does not have an obligation to increase the size of a business when it will have a negative impact on residents who will be in the neighborhood long after the school day is over.

3. There is no mention in the plan as to how the current and longstanding traffic problem will be mitigated. Over the years, the neighborhood committee has made several suggestions as to how to alleviate the problem, including mandatory busing and large scale off-site drop offs with a shuttle system. Another solution is to move some of the grade levels to another site, as most of the other private schools in Los Angeles have done. In addition, the request to add about 80 students will only serve to increase our already tenuous traffic situation as the

traffic will spillover onto Valley Vista and Beverly Glen, Camino de la Cumbre and other surrounding streets. The additional staff will also use our streets to and from work. The school is proposing over three hundred parking spaces and my children's school has 1500 students (including high school) and about 200 parking spaces and no neighborhood spillover. Is the Buckley school planning future large-scale events or more increases in enrollment? An organized carpool and busing program would eliminate the need for so many parking spaces.

4. Why does the school need to add so many students? They will remain competitive with other private schools at their current level. I don't believe that the neighborhood should bear the burden of increasing the school's revenue at the cost of making the neighborhood less desirable for residents. The school is a business, and the additional 80 students would generate tuition of at least $2,000,000, which is a lot of income for any business and it would come in handy to help generate funds for the expansion. However, Mr. Liao, please remember that this school is completely located in a residential neighborhood with no commercial boundaries and if they want to expand, they should look for alternate, more commercial sites. Again, the neighbors should have to bear the burden of their increased revenue.

5. It is my understanding that the current fencing around the Buckley School is not in compliance with the Mulholland Corridor requirements. The neighborhood committee has spoken to school officials about this in the past and the matter has not been addressed in the revised plan. Currently, the fencing surrounding the school on Camino de la Cumbre consists of rusted chain link and rusted barbed wire. It is quite ugly looking. The placement of the barbed wire is such that it will keep people from leaving the campus, so it doesn't seem to have a security purpose from outside intruders. Therefore, any revised plan should include a way to beautify the border between the campus and public space. This is not a new requirement or request, just one that has not been enforced.

6. In item 1 I mentioned that the construction noise from the Buckley School reverberates throughout the canyon. Therefore, I would request that any construction, including remodeling, would not be allowed to take place on Saturdays. Recently the school had work done on Saturdays and Sundays and it was quite loud and annoying.

Thank you for taking the time to read my letter. As a concerned Buckley School neighbor we look to you to ensure that our neighborhood remains a desirable place to live.

Sincerely,

Vivian Gumbiner

3767 Camino de la Cumbre
Sherman Oaks, CA 91423 (818) 789-5772

From: Tony Angellotti <tony@angelcopr.com>
To: <jliao@planning.lacity.org>
Date: 2/15/2006 10:06:49 AM
Subject: Buckley School

As a resident of the Buckley School neighborhood, I am very nervous and displeased by the school's expansion plans, and the city's acceptance of its plans. After all, it's a private school, and it abuts Conservancy lands. Why does private enterprise, in this crowded neighborhood, get a free pass to expand into the already fragile hillside community? Greed, most likely, on the city's part and the school's. As if the school isn't making enough money charging $20,000 a year for a six year old's education. Did your planning committee review that?

At any rate, you mention the six year project, which you and I know will stretch much farther into the future than a mere six years. What exactly do you mean by 'air quality' being effected, and other such environmental ramifications? Where can I go to review a more detailed projection plan?

Tony Angellotti
Glorietta Place
Sherman Oaks

PS, I have copied my attorney for his files.

CC: BERGER DAVID <dmberger@adelphia.net>

LOS ANGELES POLICE DEPARTMENT

WILLIAM J. BRATTON
Chief of Police

ANTONIO R. VILLARAIGOSA
Mayor

P.O. Box 30158
Los Angeles, Calif. 90030
Telephone: (213) 485-4101
TDD: (877) 275-5273
Ref #: 2.2.2

March 6, 2006

RECEIVED
CITY OF LOS ANGELES
MAR 07 2006
ENVIRONMENTAL
UNIT

Mr. Jimmy C. Liao
City Planner/Project Coordinator
Environmental Review Section
Department of City Planning
200 North Spring Street, Room 750
Los Angeles, CA 90012

Dear Mr. Liao:

PROJECT TITLE: The Buckley School Campus Enhancement Plan

The proposed project involves the Los Angeles Police Department's (LAPD) Van Nuys Area. Enclosed are Area crime rates, predominant crimes, response time to emergency calls for service, and Area personnel statistics and information obtained from Van Nuys Area. The Department's response is based on information received from the Area in which the project is located, LAPD's Information Technology Division and input from the LAPD, Community Relations Section, Crime Prevention Unit (CPU) personnel.

A project of this size would not have a significant impact on police services in Van Nuys Area. The LAPD, CPU, is available to advise you on crime prevention features appropriate to the design of the property involved in the project. The LAPD strongly recommends that developers contact CPU personnel to discuss these features.

Upon completion of the project, you are encouraged to provide the Van Nuys Area Commanding Officer with a diagram of each portion of the property. The diagram should include access routes and any additional information that might facilitate police response.

Questions regarding this response should be referred to Sergeant Michael Lockett, Community Relations Section, Crime Prevention Unit, at (213) 485-3134.

Very truly yours,

WILLIAM J. BRATTON
Chief of Police

FRED BOOKER, Lieutenant
Officer in Charge
Community Relations Section
Office of the Chief of Staff

Enclosures

Van Nuys Area

The Buckley school Campus Enhancement Plan is located in the Van Nuys Area in Reporting District (RD) 998. The Van Nuys Area covers 28.51 square miles and the station is located at 6240 Sylmar Avenue, Van Nuys, California 91401, (818) 756-8343.

The service boundaries of Van Nuys Area are as follows: White Oak Avenue, Balboa Boulevard, and San Diego Freeway (FWY405) to the West, Roscoe Boulevard to the North, Flood Control Channel, Tujunga Wash, and Coldwater Canyon to the east, and Mulholland Drive to the South.

The boundaries for RD 998 inclusively are as follows: Beverly Glen Boulevard to the West, Valley Vista Boulevard to the North, Mulholland Drive to the South, and Dixie Canyon to the East.

The average response time to emergency calls for service in the Van Nuys Area during 2004 was 6.7 minutes. The Citywide average during 2004 was 6.5 minutes. There are approximately 328 sworn officers and 19 civilian support staff deployed over three watches at Van Nuys Area.

There were 311 crimes per 1000 persons in Van Nuys Area in 2004. Individual RD crime statistics, population and crimes per 1000 persons are listed on the attached RD information sheets. The predominant crimes in Van Nuys Area are vehicle theft, aggravated assault, and burglary from vehicle.

Prepared by:
Community Relations Section
Crime Prevention Unit

LOS ANGELES POLICE DEPARTMENT
CRIMES BY REPORTING DISTRICT OF OCCURRENCE

PROJECT NAME: The Buckley School Campus Enhancement Plan

Types of Crime	*RD 998	Van Nuys	Citywide
Burglary from Bus.	0	395	4895
Burglary from Res.	15	906	14337
Burglary Other	2	221	3908
Street Robbery	2	400	9606
Other Robbery	0	200	4573
Murder	0	15	526
Rape	1	79	1267
Aggravated Assault	0	1094	26930
Burglary from Veh.	7	1775	25311
Theft from Vehicle	2	716	12558
Grand Theft	5	715	12194
Theft From Person	0	30	993
Purse Snatch	0	7	352
Other Theft	6	1235	20778
Vehicle Theft	6	1865	30094
Bunco	0	6	169
TOTAL	46	9659	168491

CRIMES PER 1000 PERSONS

REPORTING DISTRICT	CRIMES	/	POPULATION X 1000	CRIMES PER 1000 PERSONS
Van Nuys	9,659	/	278,460	35/1000
CITYWIDE	168,491	/	3,978,000	42/1000

*All statistical information is based on 2004 Los Angeles Police Department Selected Crimes and Attempts by Reporting District From the Police Arrest and Crime Management Information System 2 report.

February 28, 2006

RECEIVED
CITY OF LOS ANGELES

MAR 07 2006

ENVIRONMENTAL
UNIT

Jimmy C. Liao, City Planner/Project Coordinator
Environmental Review Section
Department of City Planning
200 N. Spring Street, Room 750
Los Angeles, CA 90012

RE: The REVISED (2006) Buckley School Campus Expansion Plan

Dear Mr. Liao and Members of City Planning:

I have read the Revised NOP of the Buckley School Campus Enhancement Plan, and I continue to OPPOSE this project in the strongest possible terms. The Buckley campus is already an uncomfortably dominant presence in the small Sherman Oaks canyon it occupies. Now campus administrators want to expand by over 70% the square footage of its buildings (from 99,150 square feet to a whopping 168,650 square feet), which is about 16,000 square feet MORE than in the previous (2005) proposal. Although they portray this as a neighborhood-friendly and environmentally sound project, I am STRONGLY OPPOSED to this gargantuan expansion, as are many of my neighbors. Buckley also requests permission to increase the student body by 11% and add major outdoor sports facilities, including a competition-size outdoor swimming pool. This continues to be very bad news to many hundreds of nearby residents in this small canyon.

The Buckley campus is seriously disregarding neighbors' concerns on this project. **Buckley is already larger and has more students than its permits allow.** Bigger is not better, especially for a private school. Why should an entire neighborhood suffer reduced property values and diminished quality of life – more noise, more visible buildings and pavement, more traffic and facilities, and more pollution – all because one private school wants to expand? Buckley seeks to engage in ***six long years of construction.*** This alone should raise many red flags, including first, that this is truly a project of enormous scale and second, that all local residents will suffer no relief from construction for an excessively long period. These alone are sufficient grounds for opposition. But of course there is more: this will be followed by increased noise and traffic every day thereafter – **for decades to come** – from constant use of the school's facilities. In short, this project will **strongly and negatively affect nearby residents** if this expansion is allowed to proceed. This can remain a unique, fairly "green" neighborhood, surrounded by the Santa Monica Mountains National Recreation Area and quite special in the Los Angeles area, if the school's size is capped where it is. If Buckley expands at this scale, though, that will surely be lost. If they must, let Buckley buy property in the nearby flats, where there are many existing buildings it could convert for its expansion.

Furthermore, the plan includes a significant expansion of **outdoor** facilities, including a new pool and basketball courts. Many neighbors strongly object to these new facilities. Why should this school be allowed to build a large, noisy "Aquatic Center," complete with a *competition-size outdoor swimming pool*? Is there no end to Buckley's grandiosity and excess? Neighbors will have to listen to screaming kids in the pool day in and day out. I was also told that they are considering opening the pool to the public on weekends, which would add **thousands** more hours of noise in the neighborhood. *This is outrageous*. City officials should be made aware that sound is highly magnified in this

canyon... hundreds of households to the immediate west, south, and north are already plagued most weekdays by incessant screams and shouts from the Buckley playing fields. Sound carries up the slopes so easily that those of us at the greatest distance (Beverly Ridge) can often hear individual conversations. It must be cacophonous at the households on the lower streets. And to add to this noise with an outdoor pool and basketball court? And bringing in the public to use them?? We all have a right to some peace and quiet. We did not buy our homes next to a huge recreation center. There is no commercial business in this canyon. It is all residential – other than Buckley. It seems quite appropriate for the AQUATIC CENTER element of the plan to be REMOVED! [This large Aquatic Center facility will also be highly visible from nearby streets as well as from Beverly Glen Blvd and Mulholland Blvd and will require review from the Mulholland Scenic Parkway Design Review Board.]

The Buckley Expansion project should be evaluated very critically. The project justification is weak, and the damage to the quality of life and the environment in this part of Los Angeles will be significant. Stop this huge expansion! ***If it cannot be stopped, cut its size dramatically... reduce the proposed, excessive (70%) expansion to, say, a 10% expansion! Reduce the construction period from an oppressive six years to one or two at the most, and enclose the huge pool – if it has to be built at all– to reduce noise.***

Keep this city livable. Please do not approve this project in this form. Small, residential, non-commercial neighborhoods in L.A. need less pollution, traffic, and noise, not more!!!!

Sincerely,



J. E. Arnold
3724 Beverly Ridge Dr.
Sherman Oaks, CA 91423

RECEIVED
CITY OF LOS ANGELES

MAR 07 2006

ENVIRONMENTAL
UNIT

February 28, 2006

Jimmy C. Liao, City Planner/Project Coordinator
Environmental Review Section
Department of City Planning
200 N. Spring St, Rm 750
LA, CA 90012

Re: NOP EIR Buckley School 2005011055

Hello:

I would like to offer comments about the Buckley "Enhancement" (Expansion) Project. Our general reaction is that we would like to see the school remodel as necessary to maintain high quality education, but we feel that expansion is inappropriate. Adding students, traffic, four story buildings, and more congestion to this delicate canyon cul de sac is detrimental to the safety of the community and to the school itself.

- We do not believe there is an evacuation plan in place for fires/earthquakes, in fact, it is not possible to get a thousand students/faculty out of the school without endangering everyone concerned. Schools must have a reunion gate and a system to evacuate. The last headmaster said that in an emergency, "People are going to do whatever they want to do, we can't stop them." Why add to the problem by expanding the school population? The profit that they will make is not enough of a reason to exploit the community.

- Subjecting the neighborhood to 6-8 years of construction is excessive; the noise from Buckley lately (for example, February 20 and 25) has been very upsetting for surrounding neighbors. Dust, trucks, and sound problems lowers our quality of life and is too much for the community to bear on a longterm basis.

- Creating a more crowded campus affects traffic patterns, nearby animals, and noise pollution. Four story buildings alter the face of the area; many residents enjoy walking on Camino de la Cumbre because it is fairly natural. You state that the proposed floor area will go from 89,300 to 95,850 sq. ft. We believe this to be excessive.

We really appreciate the efforts that Buckley has made in moving the parking structure and making other accommodations for us. We want Buckley to be a strong school with any remodeling and improvements necessary. But expansion is unreasonable on this campus. We have been asking them to consider splitting the campus like other private schools and have even offered to help them find real estate. Our position is: enhance what you have, do not expand in the excessive way proposed.

Thanks for the opportunity, and please extend a huge thanks to Buckley for being receptive to community concerns.

Sincerely,

K Flood T. Flood

Kathi and Tom Flood
3968 Camino de la Cumbre
Sherman Oaks, CA 91423
kathiart@earthlink.net
818/986-7073

Appendix C:

Air Quality Worksheets

Buckley School – Draft Environmental Impact Report

Air Quality Assessment Files

Provided by PCR Services Corporation

June 2006

C-1 Project Construction Emissions

C-2 SCAQMD Rule 403 (Fugitive Dust) Control Requirements

C-3 Project Operation Emissions

Appendix C-1

- Construction Emissions Inventory
  - Construction Phasing Schedules (Scenarios 1-3)
  - Construction Emissions Summary Table (Scenarios 1-3)
  - Local Construction Emissions
    - Contour Plots (Industrial Source Complex)
      - PM_{10} Maximum 24-hr Construction: Site Preparation (Grading and Excavation)
    - Industrial Source Complex Dispersion Modeling Outputs
      - Construction Fugitive PM_{10}

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	Trip Len (mi.)	Year Month	2009 1	2009 2	2009 3	2009 4	2009 5	2009 6	2009 7	2009 8	2009 9	2009 10	2009 11	2009 12	2010 1	2010 2	2010 3	2010 4	2010 5	2010 6	2010 7	2010 8	2010 9
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62							1																
		Crane	2	190	0.43							1																
		Excavator	8	180	0.58							1																
		Rubber Tired Loader	8	165	0.465							2																
		Stinger	8	79	0.465							1																
		Tracked Loader	8	165	0.465							2																
	Foundation / Structure	Concrete Pump	8	190	0.62								1	1	1													
		Crane	2	190	0.43								1	1	1													
		Drill Rig	8	218	0.75								2															
		Forklift	8	94	0.475										1													
		Rubber Tired Loader	8	165	0.465								2	1	1													
		Stinger	8	79	0.465								1															
		Tracked Loader	8	165	0.465								2															
		Tractor/Loader/Backhoe	8	79	0.465									1	1													
	Building Construction	Backhoe	8	79	0.465												1	1	1	1	1							
		Forklift	8	94	0.475											2	1	1	1	1	1							
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62																	2	2					
		Forklift	8	94	0.475																	1	1					
		Rubber Tired Loader	8	165	0.465																	1	1					
		Stinger	8	79	0.465																	1	1					
		Tractor/Loader/Backhoe	8	79	0.465																	1	1					
		Trencher	8	82	0.695																	1	1					
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20						2	2	5	5	6	6	6	8	7	6	7	6					
		Offsite Haul Trucks (Roundtrips)				20						27	29	33	12	12	7	8	10	5	5	13	19					
	Worker Trips	Worker Trips - Calculated Total				20						26	24	30	37	37	37	42	44	43	53	52	40					
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																				9385	9385					
	Fugitive Dust	Fugitive Dust (acres per day) - Normal										0.5	0.5	0.5	0.5													
		Fugitive Dust (square footage per month) - Demo										1000																
		Fugitive Dust (yd3 per day) - Normal										143.3	143.3	143.3	143.3													
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58																			2				
		Forklift/Cherry Picker	8	94	0.475																			2				
		Ram Hoe	8	79	0.465																			1				
		Rubber Tired Loader	8	165	0.465																			2				
		Tracked Loader	8	165	0.465																			2				
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59																					1	1	
		Concrete Pump	8	190	0.62																				1	1	1	1
		Concrete Screed Machine	8	190	0.62																						1	1
		Crane	2	190	0.43																				1	1		1
		Drill Rig	8	218	0.75																				1	1		
		Earth Mover / Scraper	8	313	0.66																				1	1		
		Excavator	8	180	0.58																				1	1		
		Forklift / Cherry Picker	8	94	0.475																				1	1	1	1
		Grader	8	174	0.575																				2	2		
		Roller	8	114	0.43																					1	1	
		Rubber Tired / Tracked Loader	8	165	0.465																				2	2	1	
		Rubber Tired Dozer	8	352	0.59																				1	1		
		Sheepsfoot Vibrator	8	50	0.62																				1	1		
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																				2	2	2	1
		Trencher	8	82	0.695																				1	1		
	Building Construction	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift / Cherry Picker	8	94	0.475																							
		Grader	8	174	0.575																							
		Paver	8	132	0.59																							
		Roller	8	114	0.43																							
		Rubber Tired Loader	8	165	0.465																							
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20														8	7	7	9	9				
		Offsite Haul Trucks (Roundtrips)				20														36	56	80	32	71				
	Worker Trips	Worker Trips - Calculated Total				20														60	72	74	85	83				
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																								1	1	
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																			0.5	0.5						
		Fugitive Dust (square footage per month) - Demo																		25650								
		Fugitive Dust (yd3 per day) - Normal																			562.9	562.9						

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2010 10	2010 11	2010 12	2011 1	2011 2	2011 3	2011 4	2011 5	2011 6	2011 7	2011 8	2011 9	2011 10	2011 11	2011 12	2012 1	2012 2	2012 3	2012 4	2012 5	2012 6	2012 7	2012 8	2012 9
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Excavator	8	180	0.58																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
	Foundation / Structure	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Drill Rig	8	218	0.75																								
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		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
	Building Construction	Backhoe	8	79	0.465																								
		Forklift	8	94	0.475																								
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58																								
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		Ram Hoe	8	79	0.465																								
		Rubber Tired Loader	8	165	0.465																								
		Tracked Loader	8	165	0.465																								
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59																								
		Concrete Pump	8	190	0.62	1																							
		Concrete Screed Machine	8	190	0.62																								
		Crane	2	190	0.43	1																							
		Drill Rig	8	218	0.75																								
		Earth Mover / Scraper	8	313	0.66																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475	1																							
		Grader	8	174	0.575	1																							
		Roller	8	114	0.43																								
		Rubber Tired / Tracked Loader	8	165	0.465	1																							
		Rubber Tired Dozer	8	352	0.59																								
		Sheepsfoot Vibrator	8	50	0.62																								
		Tractor/Loader/Backhoe/Stinger	8	79	0.465	1																							
		Trencher	8	82	0.695	1																							
	Building Construction	Concrete Pump	8	190	0.62		1					1	1	1	1	1	1	1	1										
		Crane	4	190	0.43		2	1	1	2				1	1	1													
		Forklift / Cherry Picker	8	94	0.475		2	2	2	2	2	2	2	2	2	2	2	2	2										
		Grader	8	174	0.575							1	1	1	1	1	1	1	1										
		Paver	8	132	0.59									1	1	1													
		Roller	8	114	0.43									1	1	1													
		Rubber Tired Loader	8	165	0.465		1	1	1	1	1	1	1	1	1	1	1	1	1										
		Tractor/Loader/Backhoe/Stinger	8	79	0.465			1	1	1	1	2	2	2	2	2	2	2	2										
		Trencher	8	82	0.695							1	1	1	1	1	1	1	1										
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				9	9	10	9	6	7	8	8	12	12	10	6	3											
		Offsite Haul Trucks (Roundtrips)				30	31	34	19	23	10	12	12	18	18	16	12	6											
	Worker Trips	Worker Trips - Calculated Total				78	72	72	74	96	95	110	110	117	119	117	112	102											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month										12284	12284	12284	12284	12284													
	Asphalt	Asphalt (acres per month)												1	1	1													
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2012 10	2012 11	2012 12	2013 1	2013 2	2013 3	2013 4	2013 5	2013 6	2013 7	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Excavator	8	180	0.58																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
	Foundation / Structure	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Drill Rig	8	218	0.75																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
	Building Construction	Backhoe	8	79	0.465																								
		Forklift	8	94	0.475																								
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58																								
		Forklift/Cherry Picker	8	94	0.475																								
		Ram Hoe	8	79	0.465																								
		Rubber Tired Loader	8	165	0.465																								
		Tracked Loader	8	165	0.465																								
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59																								
		Concrete Pump	8	190	0.62																								
		Concrete Screed Machine	8	190	0.62																								
		Crane	2	190	0.43																								
		Drill Rig	8	218	0.75																								
		Earth Mover / Scraper	8	313	0.66																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Roller	8	114	0.43																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Sheepsfoot Vibrator	8	50	0.62																								
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Building Construction	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Paver	8	132	0.59																								
		Roller	8	114	0.43																								
		Rubber Tired Loader	8	165	0.465																								
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62															
		Crane	2	190	0.43															
		Excavator	8	180	0.58															
		Rubber Tired Loader	8	165	0.465															
		Stinger	8	79	0.465															
		Tracked Loader	8	165	0.465															
	Foundation / Structure	Concrete Pump	8	190	0.62															
		Crane	2	190	0.43															
		Drill Rig	8	218	0.75															
		Forklift	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Stinger	8	79	0.465															
		Tracked Loader	8	165	0.465															
		Tractor/Loader/Backhoe	8	79	0.465															
	Building Construction	Backhoe	8	79	0.465															
		Forklift	8	94	0.475															
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62															
		Forklift	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Stinger	8	79	0.465															
		Tractor/Loader/Backhoe	8	79	0.465															
		Trencher	8	82	0.695															
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																		
		Offsite Haul Trucks (Roundtrips)																		
	Worker Trips	Worker Trips - Calculated Total																		
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58															
		Forklift/Cherry Picker	8	94	0.475															
		Ram Hoe	8	79	0.465															
		Rubber Tired Loader	8	165	0.465															
		Tracked Loader	8	165	0.465															
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59															
		Concrete Pump	8	190	0.62															
		Concrete Screed Machine	8	190	0.62															
		Crane	2	190	0.43															
		Drill Rig	8	218	0.75															
		Earth Mover / Scraper	8	313	0.66															
		Excavator	8	180	0.58															
		Forklift / Cherry Picker	8	94	0.475															
		Grader	8	174	0.575															
		Roller	8	114	0.43															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	352	0.59															
		Sheepsfoot Vibrator	8	50	0.62															
		Tractor/Loader/Backhoe/Stinger	8	79	0.465															
		Trencher	8	82	0.695															
	Building Construction	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Forklift / Cherry Picker	8	94	0.475															
		Grader	8	174	0.575															
		Paver	8	132	0.59															
		Roller	8	114	0.43															
		Rubber Tired Loader	8	165	0.465															
		Tractor/Loader/Backhoe/Stinger	8	79	0.465															
		Trencher	8	82	0.695															
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																		
		Offsite Haul Trucks (Roundtrips)																		
	Worker Trips	Worker Trips - Calculated Total																		
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																		
	Asphalt	Asphalt (acres per month)																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	Trip Len (mi.)	Year Month	2009 1	2009 2	2009 3	2009 4	2009 5	2009 6	2009 7	2009 8	2009 9	2009 10	2009 11	2009 12	2010 1	2010 2	2010 3	2010 4	2010 5	2010 6	2010 7	2010 8	2010 9
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Drill Rig	8	218	0.75																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	352	0.59																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
	Building Construction	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																										
		Fugitive Dust (square footage per month) - Demo																										
		Fugitive Dust (yd3 per day) - Normal																										
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Drill Rig	8	218	0.75																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	352	0.59																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
	Building Construction / Renovation	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																										
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																										
		Fugitive Dust (square footage per month) - Demo																										
		Fugitive Dust (yd3 per day) - Normal																										
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																							
		Drill Rig	8	218	0.75																							
		Excavator	8	180	0.58																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	165	0.465																							
		Sheepsfoot Vibratory Compactor	8	50	0.62																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Excavator	8	180	0.58																							
		Forklift / Cherry Picker	8	94	0.475																							
		Grader	8	174	0.575																							
		Rubber Tired Loader	8	165	0.465																							
		Sheepsfoot Vibratory Compactor	8	50	0.62																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																										
	Fugitive Dust	Fugitive Dust (acres per day) - Max																										

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2010 10	2010 11	2010 12	2011 1	2011 2	2011 3	2011 4	2011 5	2011 6	2011 7	2011 8	2011 9	2011 10	2011 11	2011 12	2012 1	2012 2	2012 3	2012 4	2012 5	2012 6	2012 7	2012 8	2012 9
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
	Building Construction	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
	Building Construction / Renovation	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																								
		Drill Rig	8	218	0.75																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Rubber Tired Loader	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (acres per day) - Max																											

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2012 10	2012 11	2012 12	2013 1	2013 2	2013 3	2013 4	2013 5	2013 6	2013 7	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62								1	1															
		Crane	4	190	0.43								1	1															
		Drill Rig	8	218	0.75								1																
		Forklift / Cherry Picker	8	94	0.475								1	1															
		Rubber Tired / Tracked Loader	8	165	0.465								2	1															
		Rubber Tired Dozer	8	352	0.59								1																
		Skid Steer Loader	8	62	0.515								1	1															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465									2															
	Building Construction	Concrete Pump	8	190	0.62										1									1					
		Crane	4	190	0.43										1														
		Forklift / Cherry Picker	8	94	0.475										1	1	1	1	1	1	1	1	1	1					
		Rubber Tired Loader	8	165	0.465										1	1	1	1	1	1	1	1		1					
		Skid Steer Loader	8	62	0.515										1	1	1	1	1	1	1	1	1						
		Tar Kettle	8	50	0.62											1													
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465										3	3	2	1	1				1	1					
		Trencher	8	82	0.695										1	1	1						1	1					
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)											2	2	5	5	6	6	6	8	7	6	7	6					
		Offsite Haul Trucks (Roundtrips)											33	22	33	13	11	7	8	10	5	5	13	19					
	Worker Trips	Worker Trips - Calculated Total											26	29	30	44	37	37	36	43	43	42	41	40					
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																					5180						
	Fugitive Dust	Fugitive Dust (acres per day) - Normal												0.5															
		Fugitive Dust (square footage per month) - Demo											1000																
		Fugitive Dust (yd3 per day) - Normal												9															
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62																				1	1			
		Crane	4	190	0.43																				1	1			
		Drill Rig	8	218	0.75																				1				
		Forklift / Cherry Picker	8	94	0.475																				1	1			
		Rubber Tired / Tracked Loader	8	165	0.465																				2	1			
		Rubber Tired Dozer	8	352	0.59																				1				
		Skid Steer Loader	8	62	0.515																				1	1			
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																					3			
	Building Construction / Renovation	Concrete Pump	8	190	0.62																						1		
		Crane	4	190	0.43																						1		
		Forklift / Cherry Picker	8	94	0.475																						1	1	1
		Rubber Tired Loader	8	165	0.465																						1	1	1
		Skid Steer Loader	8	62	0.515																						1	1	1
		Tar Kettle	8	50	0.62																							1	
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																						3	3	2
		Trencher	8	82	0.695																						1	1	1
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																							2	2	5	5	6
		Offsite Haul Trucks (Roundtrips)																							31	21	26	13	11
	Worker Trips	Worker Trips - Calculated Total																							26	36	37	54	42
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																										0.25	
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																							0.5	0.5			
		Fugitive Dust (square footage per month) - Demo																							1000				
		Fugitive Dust (yd3 per day) - Normal																							12.2	12.2			
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																				1	1			
		Drill Rig	8	218	0.75																				1	1			
		Excavator	8	180	0.58																				1	1			
		Forklift / Cherry Picker	8	94	0.475																				1	1			
		Rubber Tired / Tracked Loader	8	165	0.465																				2	2			
		Rubber Tired Dozer	8	165	0.465																				1	1			
		Sheepsfoot Vibratory Compactor	8	50	0.62																				1	1			
		Skid Steer Loader	8	62	0.515																				1	1			
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																				2	2			
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62																						1	2	2
		Crane	4	190	0.43																						1		
		Excavator	8	180	0.58																						1		
		Forklift / Cherry Picker	8	94	0.475																						1	1	1
		Grader	8	174	0.575																								
		Rubber Tired Loader	8	165	0.465																						1	1	1
		Sheepsfoot Vibratory Compactor	8	50	0.62																						1	1	1
		Skid Steer Loader	8	62	0.515																						1	1	1
		Tar Kettle	8	50	0.62																							1	1
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																						1	1	1
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																							3	4	6	6	6
		Offsite Haul Trucks (Roundtrips)																							25	32	36	20	11
	Worker Trips	Worker Trips - Calculated Total																							19	45	39	42	35
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																										0.25	0.25
	Fugitive Dust	Fugitive Dust (acres per day) - Max																							0.25	0.25			

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Drill Rig	8	218	0.75															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	352	0.59															
		Skid Steer Loader	8	62	0.515															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465															
	Building Construction	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Skid Steer Loader	8	62	0.515															
		Tar Kettle	8	50	0.62															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465															
		Trencher	8	82	0.695															
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																		
		Offsite Haul Trucks (Roundtrips)																		
	Worker Trips	Worker Trips - Calculated Total																		
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Drill Rig	8	218	0.75															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	352	0.59															
		Skid Steer Loader	8	62	0.515															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465															
	Building Construction / Renovation	Concrete Pump	8	190	0.62							1								
		Crane	4	190	0.43															
		Forklift / Cherry Picker	8	94	0.475	1	1	1	1	1	1	1								
		Rubber Tired Loader	8	165	0.465	1	1	1	1	1		1								
		Skid Steer Loader	8	62	0.515	1	1	1	1	1	1									
		Tar Kettle	8	50	0.62															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465	1	1				1	1								
		Trencher	8	82	0.695						1	1								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				6	6	8	7	6	7	6								
		Offsite Haul Trucks (Roundtrips)				7	8	10	5	5	13	19								
	Worker Trips	Worker Trips - Calculated Total				42	43	41	43	42	43	52								
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month									7000									
	Asphalt	Asphalt (acres per month)																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62															
		Drill Rig	8	218	0.75															
		Excavator	8	180	0.58															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	165	0.465															
		Sheepsfoot Vibratory Compactor	8	50	0.62															
		Skid Steer Loader	8	62	0.515															
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465															
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62	1	2	2	2	2										
		Crane	4	190	0.43															
		Excavator	8	180	0.58															
		Forklift / Cherry Picker	8	94	0.475	1	1	1	1	1	1									
		Grader	8	174	0.575		1	1	1	1										
		Rubber Tired Loader	8	165	0.465		1	1	1	1	1									
		Sheepsfoot Vibratory Compactor	8	50	0.62															
		Skid Steer Loader	8	62	0.515	1	1	1	1	1	1									
		Tar Kettle	8	50	0.62															
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465	1	1	1	1	1	1									
		Trencher	8	82	0.695		1	1	1	1										
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				6	6	6	4	5	3									
		Offsite Haul Trucks (Roundtrips)				8	11	5	15	9	5									
	Worker Trips	Worker Trips - Calculated Total				36	41	44	44	42	30									
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month						832.5	832.5	832.5	832.5									
	Asphalt	Asphalt (acres per month)																		
	Fugitive Dust	Fugitive Dust (acres per day) - Max																		

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	Trip Len (mi.)	Year Month	2009 1	2009 2	2009 3	2009 4	2009 5	2009 6	2009 7	2009 8	2009 9	2009 10	2009 11	2009 12	2010 1	2010 2	2010 3	2010 4	2010 5	2010 6	2010 7	2010 8	2010 9
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62																							
		Drill Rig	8	218	0.75																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	352	0.59																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62																							
		Forklift / Cherry Picker	8	94	0.475																							
		Grader	8	174	0.575																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Sheepsfoot Vibratory Compactor	8	50	0.62																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																										
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																										
Phase 3D (Lower School Renovations) - Scenario 1	Demolition and Structure	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465																							
	Building Construction	Concrete Pump	8	190	0.62																							
		Forklift	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Stinger Crane	4	190	0.43																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																										

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

						2010	2010	2010	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2012	2012	2012	2012	2012	2012	2012	2012	2012
Project	**Phase**	**EquipmentName**	**Hours**	**HP**	**Load**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																											
Phase 3D (Lower School Renovations) - Scenario 1	Demolition and Structure	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465																								
	Building Construction	Concrete Pump	8	190	0.62																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger Crane	4	190	0.43																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																											

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2012 10	2012 11	2012 12	2013 1	2013 2	2013 3	2013 4	2013 5	2013 6	2013 7	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																											
Phase 3D (Lower School Renovations) - Scenario 1	Demolition and Structure	Concrete Pump	8	190	0.62								1																
		Crane	4	190	0.43								1																
		Forklift	8	94	0.475								1																
		Rubber Tired Loader	8	165	0.465								1																
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465								1																
	Building Construction	Concrete Pump	8	190	0.62									1															
		Forklift	8	94	0.475									1	1	1	1												
		Rubber Tired Loader	8	165	0.465												1												
		Stinger Crane	4	190	0.43									1	1	1													
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)											3	3	3	2	3												
		Offsite Haul Trucks (Roundtrips)											6	7	7	5	5												
	Worker Trips	Worker Trips - Calculated Total											35	37	45	44	15												
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month												5750	5750	5750													
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo											2000																

Buckley School
Construction Phasing Schedule - Scenario 1
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62							1								
		Drill Rig	8	218	0.75							1								
		Forklift / Cherry Picker	8	94	0.475						1	1								
		Rubber Tired / Tracked Loader	8	165	0.465						2	1								
		Rubber Tired Dozer	8	352	0.59						1	1								
		Skid Steer Loader	8	62	0.515						1	1								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465						2	3								
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62								2	2	1	2	2	2	2	2
		Forklift / Cherry Picker	8	94	0.475								1	1	1	1	1	1	1	1
		Grader	8	174	0.575											1	1	1	1	1
		Rubber Tired / Tracked Loader	8	165	0.465								1	1	1	1	1	1	1	1
		Sheepsfoot Vibratory Compactor	8	50	0.62								1	1						
		Skid Steer Loader	8	62	0.515								1	1	1	1	1	1	1	1
		Tar Kettle	8	50	0.62								1	1						
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465								1	1		1	1	1	1	1
		Trencher	8	82	0.695											1	1	1	1	1
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)									3	4	6	6	6	6	6	6	6	6
		Offsite Haul Trucks (Roundtrips)									15	23	26	14	9	8	11	5	11	5
	Worker Trips	Worker Trips - Calculated Total									19	45	49	53	50	50	50	42	42	38
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																9666.7	9666.7	9666.7
	Asphalt	Asphalt (acres per month)											0.25	0.25						
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo									1000	1000								
Phase 3D (Lower School Renovations) - Scenario 1	Demolition and Structure	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Forklift	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465															
	Building Construction	Concrete Pump	8	190	0.62															
		Forklift	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Stinger Crane	4	190	0.43															
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																		
		Offsite Haul Trucks (Roundtrips)																		
	Worker Trips	Worker Trips - Calculated Total																		
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																		
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																		

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	Trip Len (mi.)	Year Month	2009 1	2009 2	2009 3	2009 4	2009 5	2009 6	2009 7	2009 8	2009 9	2009 10	2009 11	2009 12	2010 1	2010 2	2010 3	2010 4	2010 5	2010 6	2010 7	2010 8	2010 9
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62							1																
		Crane	2	190	0.43							1																
		Excavator	8	180	0.58							1																
		Rubber Tired Loader	8	165	0.465							2																
		Stinger	8	79	0.465							1																
		Tracked Loader	8	165	0.465							2																
	Foundation / Structure	Concrete Pump	8	190	0.62								1	1	1													
		Crane	2	190	0.43								1	1	1													
		Drill Rig	8	218	0.75								2															
		Forklift	8	94	0.475										1													
		Rubber Tired Loader	8	165	0.465								2	1	1													
		Stinger	8	79	0.465								1															
		Tracked Loader	8	165	0.465								2															
		Tractor/Loader/Backhoe	8	79	0.465									1	1													
	Building Construction	Backhoe	8	79	0.465												1	1	1	1	1							
		Forklift	8	94	0.475											2	1	1	1	1	1							
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62																	2	2					
		Forklift	8	94	0.475																	1	1					
		Rubber Tired Loader	8	165	0.465																	1	1					
		Stinger	8	79	0.465																	1	1					
		Tractor/Loader/Backhoe	8	79	0.465																	1	1					
		Trencher	8	82	0.695																	1	1					
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20						2	2	5	5	6	6	6	8	7	6	7	6					
		Offsite Haul Trucks (Roundtrips)				20						27	29	33	12	12	7	8	10	5	5	13	19					
	Worker Trips	Worker Trips - Calculated Total				20						26	24	30	37	37	37	42	44	43	53	52	40					
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																				9385	9385					
	Fugitive Dust	Fugitive Dust (acres per day) - Normal										0.5	0.5	0.5	0.5													
		Fugitive Dust (square footage per month) - Demo										1000																
		Fugitive Dust (yd3 per day) - Normal										143.3	143.3	143.3	143.3													
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58																			2				
		Forklift/Cherry Picker	8	94	0.475																			2				
		Ram Hoe	8	79	0.465																			1				
		Rubber Tired Loader	8	165	0.465																			2				
		Tracked Loader	8	165	0.465																			2				
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59																					1	1	
		Concrete Pump	8	190	0.62																			1	1	1	1	
		Concrete Screed Machine	8	190	0.62																					1	1	
		Crane	2	190	0.43																			1	1		1	
		Drill Rig	8	218	0.75																			1	1			
		Earth Mover / Scraper	8	313	0.66																			1	1			
		Excavator	8	180	0.58																			1	1			
		Forklift / Cherry Picker	8	94	0.475																			1	1	1	1	
		Grader	8	174	0.575																			2	2			
		Roller	8	114	0.43																				1	1		
		Rubber Tired / Tracked Loader	8	165	0.465																			2	2	1		
		Rubber Tired Dozer	8	352	0.59																			1	1			
		Sheepsfoot Vibrator	8	50	0.62																			1	1			
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																			2	2	2	1	
		Trencher	8	82	0.695																			1	1			
	Building Construction	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift / Cherry Picker	8	94	0.475																							
		Grader	8	174	0.575																							
		Paver	8	132	0.59																							
		Roller	8	114	0.43																							
		Rubber Tired Loader	8	165	0.465																							
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20														8	7	7	9	9				
		Offsite Haul Trucks (Roundtrips)				20														36	56	80	32	71				
	Worker Trips	Worker Trips - Calculated Total				20														60	72	74	85	83				
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																								1	1	
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																			0.5	0.5						
		Fugitive Dust (square footage per month) - Demo																		25650								
		Fugitive Dust (yd3 per day) - Normal																			562.9	562.9						

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2010 10	2010 11	2010 12	2011 1	2011 2	2011 3	2011 4	2011 5	2011 6	2011 7	2011 8	2011 9	2011 10	2011 11	2011 12	2012 1	2012 2	2012 3	2012 4	2012 5	2012 6	2012 7	2012 8	2012 9
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Excavator	8	180	0.58																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
	Foundation / Structure	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Drill Rig	8	218	0.75																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
	Building Construction	Backhoe	8	79	0.465																								
		Forklift	8	94	0.475																								
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58																								
		Forklift/Cherry Picker	8	94	0.475																								
		Ram Hoe	8	79	0.465																								
		Rubber Tired Loader	8	165	0.465																								
		Tracked Loader	8	165	0.465																								
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59																								
		Concrete Pump	8	190	0.62	1																							
		Concrete Screed Machine	8	190	0.62																								
		Crane	2	190	0.43	1																							
		Drill Rig	8	218	0.75																								
		Earth Mover / Scraper	8	313	0.66																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475	1																							
		Grader	8	174	0.575	1																							
		Roller	8	114	0.43																								
		Rubber Tired / Tracked Loader	8	165	0.465	1																							
		Rubber Tired Dozer	8	352	0.59																								
		Sheepsfoot Vibrator	8	50	0.62																								
		Tractor/Loader/Backhoe/Stinger	8	79	0.465	1																							
		Trencher	8	82	0.695	1																							
	Building Construction	Concrete Pump	8	190	0.62		1					1	1	1	1	1	1	1											
		Crane	4	190	0.43		2	1	1	2				1	1	1													
		Forklift / Cherry Picker	8	94	0.475		2	2	2	2	2	2	2	2	2	2	2	2	2	2									
		Grader	8	174	0.575							1	1	1	1	1	1	1	1	1									
		Paver	8	132	0.59									1	1	1													
		Roller	8	114	0.43									1	1	1													
		Rubber Tired Loader	8	165	0.465		1	1	1	1	1	1	1	1	1	1	1	1	1	1									
		Tractor/Loader/Backhoe/Stinger	8	79	0.465			1	1	1	1	2	2	2	2	2	2	2	2	2									
		Trencher	8	82	0.695							1	1	1	1	1	1	1	1	1									
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				9	9	10	9	6	7	8	8	12	12	10	6	3											
		Offsite Haul Trucks (Roundtrips)				30	31	34	19	23	10	12	12	18	18	16	12	6											
	Worker Trips	Worker Trips - Calculated Total				78	72	72	74	96	95	110	110	117	119	117	112	102											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month										12284	12284	12284	12284	12284													
	Asphalt	Asphalt (acres per month)												1	1	1													
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2012 10	2012 11	2012 12	2013 1	2013 2	2013 3	2013 4	2013 5	2013 6	2013 7	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Excavator	8	180	0.58																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
	Foundation / Structure	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Drill Rig	8	218	0.75																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
	Building Construction	Backhoe	8	79	0.465																								
		Forklift	8	94	0.475																								
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58																								
		Forklift/Cherry Picker	8	94	0.475																								
		Ram Hoe	8	79	0.465																								
		Rubber Tired Loader	8	165	0.465																								
		Tracked Loader	8	165	0.465																								
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59																								
		Concrete Pump	8	190	0.62																								
		Concrete Screed Machine	8	190	0.62																								
		Crane	2	190	0.43																								
		Drill Rig	8	218	0.75																								
		Earth Mover / Scraper	8	313	0.66																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Roller	8	114	0.43																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Sheepsfoot Vibrator	8	50	0.62																								
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Building Construction	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Paver	8	132	0.59																								
		Roller	8	114	0.43																								
		Rubber Tired Loader	8	165	0.465																								
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62															
		Crane	2	190	0.43															
		Excavator	8	180	0.58															
		Rubber Tired Loader	8	165	0.465															
		Stinger	8	79	0.465															
		Tracked Loader	8	165	0.465															
	Foundation / Structure	Concrete Pump	8	190	0.62															
		Crane	2	190	0.43															
		Drill Rig	8	218	0.75															
		Forklift	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Stinger	8	79	0.465															
		Tracked Loader	8	165	0.465															
		Tractor/Loader/Backhoe	8	79	0.465															
	Building Construction	Backhoe	8	79	0.465															
		Forklift	8	94	0.475															
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62															
		Forklift	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Stinger	8	79	0.465															
		Tractor/Loader/Backhoe	8	79	0.465															
		Trencher	8	82	0.695															
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																		
		Offsite Haul Trucks (Roundtrips)																		
	Worker Trips	Worker Trips - Calculated Total																		
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58															
		Forklift/Cherry Picker	8	94	0.475															
		Ram Hoe	8	79	0.465															
		Rubber Tired Loader	8	165	0.465															
		Tracked Loader	8	165	0.465															
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59															
		Concrete Pump	8	190	0.62															
		Concrete Screed Machine	8	190	0.62															
		Crane	2	190	0.43															
		Drill Rig	8	218	0.75															
		Earth Mover / Scraper	8	313	0.66															
		Excavator	8	180	0.58															
		Forklift / Cherry Picker	8	94	0.475															
		Grader	8	174	0.575															
		Roller	8	114	0.43															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	352	0.59															
		Sheepsfoot Vibrator	8	50	0.62															
		Tractor/Loader/Backhoe/Stinger	8	79	0.465															
		Trencher	8	82	0.695															
	Building Construction	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Forklift / Cherry Picker	8	94	0.475															
		Grader	8	174	0.575															
		Paver	8	132	0.59															
		Roller	8	114	0.43															
		Rubber Tired Loader	8	165	0.465															
		Tractor/Loader/Backhoe/Stinger	8	79	0.465															
		Trencher	8	82	0.695															
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																		
		Offsite Haul Trucks (Roundtrips)																		
	Worker Trips	Worker Trips - Calculated Total																		
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																		
	Asphalt	Asphalt (acres per month)																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	Trip Len (mi.)	Year Month	2009 1	2009 2	2009 3	2009 4	2009 5	2009 6	2009 7	2009 8	2009 9	2009 10	2009 11	2009 12	2010 1	2010 2	2010 3	2010 4	2010 5	2010 6	2010 7	2010 8	2010 9
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Drill Rig	8	218	0.75																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	352	0.59																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
	Building Construction	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																										
		Fugitive Dust (square footage per month) - Demo																										
		Fugitive Dust (yd3 per day) - Normal																										
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Drill Rig	8	218	0.75																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	352	0.59																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
	Building Construction / Renovation	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																										
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																										
		Fugitive Dust (square footage per month) - Demo																										
		Fugitive Dust (yd3 per day) - Normal																										
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																							
		Drill Rig	8	218	0.75																							
		Excavator	8	180	0.58																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	165	0.465																							
		Sheepsfoot Vibratory Compactor	8	50	0.62																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Excavator	8	180	0.58																							
		Forklift / Cherry Picker	8	94	0.475																							
		Grader	8	174	0.575																							
		Rubber Tired Loader	8	165	0.465																							
		Sheepsfoot Vibratory Compactor	8	50	0.62																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																										
	Fugitive Dust	Fugitive Dust (acres per day) - Max																										

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2010 10	2010 11	2010 12	2011 1	2011 2	2011 3	2011 4	2011 5	2011 6	2011 7	2011 8	2011 9	2011 10	2011 11	2011 12	2012 1	2012 2	2012 3	2012 4	2012 5	2012 6	2012 7	2012 8	2012 9
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
	Building Construction	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
	Building Construction / Renovation	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																								
		Drill Rig	8	218	0.75																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Rubber Tired Loader	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (acres per day) - Max																											

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2012 10	2012 11	2012 12	2013 1	2013 2	2013 3	2013 4	2013 5	2013 6	2013 7	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62								1	1															
		Crane	4	190	0.43								1	1															
		Drill Rig	8	218	0.75								1																
		Forklift / Cherry Picker	8	94	0.475								1	1															
		Rubber Tired / Tracked Loader	8	165	0.465								2	1															
		Rubber Tired Dozer	8	352	0.59								1																
		Skid Steer Loader	8	62	0.515								1	1															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465									2															
	Building Construction	Concrete Pump	8	190	0.62										1									1					
		Crane	4	190	0.43										1														
		Forklift / Cherry Picker	8	94	0.475										1	1	1	1	1	1	1	1	1	1					
		Rubber Tired Loader	8	165	0.465										1	1	1	1	1	1	1	1		1					
		Skid Steer Loader	8	62	0.515										1	1	1	1	1	1	1	1	1						
		Tar Kettle	8	50	0.62											1													
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465										3	3	2	1	1				1	1					
		Trencher	8	82	0.695										1	1	1						1	1					
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)											2	2	5	5	6	6	6	8	7	6	7	6					
		Offsite Haul Trucks (Roundtrips)											33	22	33	13	11	7	8	10	5	5	13	19					
	Worker Trips	Worker Trips - Calculated Total											26	29	30	44	37	37	36	43	43	42	41	40					
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																					5180						
	Fugitive Dust	Fugitive Dust (acres per day) - Normal												0.5															
		Fugitive Dust (square footage per month) - Demo											1000																
		Fugitive Dust (yd3 per day) - Normal												9															
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62																				1	1			
		Crane	4	190	0.43																				1	1			
		Drill Rig	8	218	0.75																				1				
		Forklift / Cherry Picker	8	94	0.475																				1	1			
		Rubber Tired / Tracked Loader	8	165	0.465																				2	1			
		Rubber Tired Dozer	8	352	0.59																				1				
		Skid Steer Loader	8	62	0.515																				1	1			
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																					3			
	Building Construction / Renovation	Concrete Pump	8	190	0.62																						1		
		Crane	4	190	0.43																						1		
		Forklift / Cherry Picker	8	94	0.475																						1	1	1
		Rubber Tired Loader	8	165	0.465																						1	1	1
		Skid Steer Loader	8	62	0.515																						1	1	1
		Tar Kettle	8	50	0.62																							1	
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																						3	3	2
		Trencher	8	82	0.695																						1	1	1
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																							2	2	5	5	6
		Offsite Haul Trucks (Roundtrips)																							31	21	26	13	11
	Worker Trips	Worker Trips - Calculated Total																							26	36	37	54	42
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																										0.25	
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																							0.5	0.5			
		Fugitive Dust (square footage per month) - Demo																							1000				
		Fugitive Dust (yd3 per day) - Normal																							12.2	12.2			
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																				1	1			
		Drill Rig	8	218	0.75																				1	1			
		Excavator	8	180	0.58																				1	1			
		Forklift / Cherry Picker	8	94	0.475																				1	1			
		Rubber Tired / Tracked Loader	8	165	0.465																				2	2			
		Rubber Tired Dozer	8	352	0.465																				1	1			
		Sheepsfoot Vibratory Compactor	8	50	0.62																				1	1			
		Skid Steer Loader	8	62	0.515																				1	1			
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																				2	2			
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62																						1	2	2
		Crane	4	190	0.43																						1		
		Excavator	8	180	0.58																						1		
		Forklift / Cherry Picker	8	94	0.475																						1	1	1
		Grader	8	174	0.575																								
		Rubber Tired Loader	8	165	0.465																						1	1	1
		Sheepsfoot Vibratory Compactor	8	50	0.62																						1	1	1
		Skid Steer Loader	8	62	0.515																						1	1	1
		Tar Kettle	8	50	0.62																							1	1
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																						1	1	1
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																							3	4	6	6	6
		Offsite Haul Trucks (Roundtrips)																							25	32	36	20	11
	Worker Trips	Worker Trips - Calculated Total																							19	45	39	42	35
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																										0.25	0.25
	Fugitive Dust	Fugitive Dust (acres per day) - Max																							0.25	0.25			

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Drill Rig	8	218	0.75															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	352	0.59															
		Skid Steer Loader	8	62	0.515															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465															
	Building Construction	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Skid Steer Loader	8	62	0.515															
		Tar Kettle	8	50	0.62															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465															
		Trencher	8	82	0.695															
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																		
		Offsite Haul Trucks (Roundtrips)																		
	Worker Trips	Worker Trips - Calculated Total																		
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Drill Rig	8	218	0.75															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	352	0.59															
		Skid Steer Loader	8	62	0.515															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465															
	Building Construction / Renovation	Concrete Pump	8	190	0.62							1								
		Crane	4	190	0.43															
		Forklift / Cherry Picker	8	94	0.475	1	1	1	1	1	1	1								
		Rubber Tired Loader	8	165	0.465	1	1	1	1	1		1								
		Skid Steer Loader	8	62	0.515	1	1	1	1	1	1									
		Tar Kettle	8	50	0.62															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465	1	1				1	1								
		Trencher	8	82	0.695						1	1								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				6	6	8	7	6	7	6								
		Offsite Haul Trucks (Roundtrips)				7	8	10	5	5	13	19								
	Worker Trips	Worker Trips - Calculated Total				42	43	41	43	42	43	52								
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month									7000									
	Asphalt	Asphalt (acres per month)																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62															
		Drill Rig	8	218	0.75															
		Excavator	8	180	0.58															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	165	0.465															
		Sheepsfoot Vibratory Compactor	8	50	0.62															
		Skid Steer Loader	8	62	0.515															
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465															
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62	1	2	2	2	2										
		Crane	4	190	0.43															
		Excavator	8	180	0.58															
		Forklift / Cherry Picker	8	94	0.475	1	1	1	1	1	1									
		Grader	8	174	0.575		1	1	1	1										
		Rubber Tired Loader	8	165	0.465		1	1	1	1	1									
		Sheepsfoot Vibratory Compactor	8	50	0.62															
		Skid Steer Loader	8	62	0.515	1	1	1	1	1	1									
		Tar Kettle	8	50	0.62															
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465	1	1	1	1	1	1									
		Trencher	8	82	0.695		1	1	1	1										
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				6	6	6	4	5	3									
		Offsite Haul Trucks (Roundtrips)				8	11	5	15	9	5									
	Worker Trips	Worker Trips - Calculated Total				36	41	44	44	42	30									
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month						832.5	832.5	832.5	832.5									
	Asphalt	Asphalt (acres per month)																		
	Fugitive Dust	Fugitive Dust (acres per day) - Max																		

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	Trip Len (mi.)	Year Month	2009 1	2009 2	2009 3	2009 4	2009 5	2009 6	2009 7	2009 8	2009 9	2009 10	2009 11	2009 12	2010 1	2010 2	2010 3	2010 4	2010 5	2010 6	2010 7	2010 8	2010 9
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62																							
		Drill Rig	8	218	0.75																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	352	0.59																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62																							
		Forklift / Cherry Picker	8	94	0.475																							
		Grader	8	174	0.575																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Sheepsfoot Vibratory Compactor	8	50	0.62																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																										
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																										
Phase 3D (Lower School Renovations) - Scenario 2	Demolition and Structure	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465																							
	Building Construction	Concrete Pump	8	190	0.62																							
		Forklift	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Stinger Crane	4	190	0.43																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																										

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2010 10	2010 11	2010 12	2011 1	2011 2	2011 3	2011 4	2011 5	2011 6	2011 7	2011 8	2011 9	2011 10	2011 11	2011 12	2012 1	2012 2	2012 3	2012 4	2012 5	2012 6	2012 7	2012 8	2012 9
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																											
Phase 3D (Lower School Renovations) - Scenario 2	Demolition and Structure	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465																								
	Building Construction	Concrete Pump	8	190	0.62																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger Crane	4	190	0.43																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																											

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2012 10	2012 11	2012 12	2013 1	2013 2	2013 3	2013 4	2013 5	2013 6	2013 7	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																											
Phase 3D (Lower School Renovations) - Scenario 2	Demolition and Structure	Concrete Pump	8	190	0.62																			1					
		Crane	4	190	0.43																			1					
		Forklift	8	94	0.475																			1					
		Rubber Tired Loader	8	165	0.465																			1					
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465																			1					
	Building Construction	Concrete Pump	8	190	0.62																				1				
		Forklift	8	94	0.475																				1	1	1	1	
		Rubber Tired Loader	8	165	0.465																								1
		Stinger Crane	4	190	0.43																				1	1	1		
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																						3	3	3	2	3	
		Offsite Haul Trucks (Roundtrips)																						6	7	7	5	5	
	Worker Trips	Worker Trips - Calculated Total																						35	37	45	44	15	
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																							5750	5750	5750		
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																						2000					

Buckley School
Construction Phasing Schedule - Scenario 2
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62							1								
		Drill Rig	8	218	0.75							1								
		Forklift / Cherry Picker	8	94	0.475						1	1								
		Rubber Tired / Tracked Loader	8	165	0.465						2	1								
		Rubber Tired Dozer	8	352	0.59						1	1								
		Skid Steer Loader	8	62	0.515						1	1								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465						2	3								
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62								2	2	1	2	2	2	2	2
		Forklift / Cherry Picker	8	94	0.475								1	1	1	1	1	1	1	1
		Grader	8	174	0.575											1	1	1	1	1
		Rubber Tired / Tracked Loader	8	165	0.465								1	1	1	1	1	1	1	1
		Sheepsfoot Vibratory Compactor	8	50	0.62								1	1						
		Skid Steer Loader	8	62	0.515								1	1	1	1	1	1	1	1
		Tar Kettle	8	50	0.62								1	1						
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465								1	1		1	1	1	1	1
		Trencher	8	82	0.695											1	1	1	1	1
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)									3	4	6	6	6	6	6	6	6	6
		Offsite Haul Trucks (Roundtrips)									15	23	26	14	9	8	11	5	11	5
	Worker Trips	Worker Trips - Calculated Total									19	45	49	53	50	50	50	42	42	38
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																9666.7	9666.7	9666.7
	Asphalt	Asphalt (acres per month)											0.25	0.25						
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo									1000	1000								
Phase 3D (Lower School Renovations) - Scenario 2	Demolition and Structure	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Forklift	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465															
	Building Construction	Concrete Pump	8	190	0.62															
		Forklift	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Stinger Crane	4	190	0.43															
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																		
		Offsite Haul Trucks (Roundtrips)																		
	Worker Trips	Worker Trips - Calculated Total																		
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																		
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																		

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	Trip Len (mi.)	Year Month	2009 1	2009 2	2009 3	2009 4	2009 5	2009 6	2009 7	2009 8	2009 9	2009 10	2009 11	2009 12	2010 1	2010 2	2010 3	2010 4	2010 5	2010 6	2010 7	2010 8	2010 9
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62							1																
		Crane	2	190	0.43							1																
		Excavator	8	180	0.58							1																
		Rubber Tired Loader	8	165	0.465							2																
		Stinger	8	79	0.465							1																
		Tracked Loader	8	165	0.465							2																
	Foundation / Structure	Concrete Pump	8	190	0.62								1	1	1													
		Crane	2	190	0.43								1	1	1													
		Drill Rig	8	218	0.75								2															
		Forklift	8	94	0.475										1													
		Rubber Tired Loader	8	165	0.465								2	1	1													
		Stinger	8	79	0.465								1															
		Tracked Loader	8	165	0.465								2															
		Tractor/Loader/Backhoe	8	79	0.465									1	1													
	Building Construction	Backhoe	8	79	0.465												1	1	1	1	1							
		Forklift	8	94	0.475											2	1	1	1	1	1							
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62																	2	2					
		Forklift	8	94	0.475																	1	1					
		Rubber Tired Loader	8	165	0.465																	1	1					
		Stinger	8	79	0.465																	1	1					
		Tractor/Loader/Backhoe	8	79	0.465																	1	1					
		Trencher	8	82	0.695																	1	1					
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20						2	2	5	5	6	6	6	8	7	6	7	6					
		Offsite Haul Trucks (Roundtrips)				20						27	29	33	12	12	7	8	10	5	5	13	19					
	Worker Trips	Worker Trips - Calculated Total				20						26	24	30	37	37	37	42	44	43	53	52	40					
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																				9385	9385					
	Fugitive Dust	Fugitive Dust (acres per day) - Normal										0.5	0.5	0.5	0.5													
		Fugitive Dust (square footage per month) - Demo										1000																
		Fugitive Dust (yd3 per day) - Normal										143.3	143.3	143.3	143.3													
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58																			2				
		Forklift/Cherry Picker	8	94	0.475																			2				
		Ram Hoe	8	79	0.465																			1				
		Rubber Tired Loader	8	165	0.465																			2				
		Tracked Loader	8	165	0.465																			2				
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59																					1	1	
		Concrete Pump	8	190	0.62																			1	1	1	1	
		Concrete Screed Machine	8	190	0.62																					1	1	
		Crane	2	190	0.43																			1	1		1	
		Drill Rig	8	218	0.75																			1	1			
		Earth Mover / Scraper	8	313	0.66																			1	1			
		Excavator	8	180	0.58																			1	1			
		Forklift / Cherry Picker	8	94	0.475																			1	1	1	1	
		Grader	8	174	0.575																			2	2			
		Roller	8	114	0.43																				1	1		
		Rubber Tired / Tracked Loader	8	165	0.465																			2	2	1		
		Rubber Tired Dozer	8	352	0.59																			1	1			
		Sheepsfoot Vibrator	8	50	0.62																			1	1			
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																			2	2	2	1	
		Trencher	8	82	0.695																			1	1			
	Building Construction	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift / Cherry Picker	8	94	0.475																							
		Grader	8	174	0.575																							
		Paver	8	132	0.59																							
		Roller	8	114	0.43																							
		Rubber Tired Loader	8	165	0.465																							
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20														8	7	7	9	9				
		Offsite Haul Trucks (Roundtrips)				20														36	56	80	32	71				
	Worker Trips	Worker Trips - Calculated Total				20														60	72	74	85	83				
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																								1	1	
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																			0.5	0.5						
		Fugitive Dust (square footage per month) - Demo																		25650								
		Fugitive Dust (yd3 per day) - Normal																			562.9	562.9						

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2010 10	2010 11	2010 12	2011 1	2011 2	2011 3	2011 4	2011 5	2011 6	2011 7	2011 8	2011 9	2011 10	2011 11	2011 12	2012 1	2012 2	2012 3	2012 4	2012 5	2012 6	2012 7	2012 8	2012 9
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Excavator	8	180	0.58																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
	Foundation / Structure	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Drill Rig	8	218	0.75																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
	Building Construction	Backhoe	8	79	0.465																								
		Forklift	8	94	0.475																								
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58																								
		Forklift/Cherry Picker	8	94	0.475																								
		Ram Hoe	8	79	0.465																								
		Rubber Tired Loader	8	165	0.465																								
		Tracked Loader	8	165	0.465																								
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59																								
		Concrete Pump	8	190	0.62	1																							
		Concrete Screed Machine	8	190	0.62																								
		Crane	2	190	0.43	1																							
		Drill Rig	8	218	0.75																								
		Earth Mover / Scraper	8	313	0.66																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475	1																							
		Grader	8	174	0.575	1																							
		Roller	8	114	0.43																								
		Rubber Tired / Tracked Loader	8	165	0.465	1																							
		Rubber Tired Dozer	8	352	0.59																								
		Sheepsfoot Vibrator	8	50	0.62																								
		Tractor/Loader/Backhoe/Stinger	8	79	0.465	1																							
		Trencher	8	82	0.695	1																							
	Building Construction	Concrete Pump	8	190	0.62		1					1	1	1	1	1	1	1	1										
		Crane	4	190	0.43		2	1	1	2				1	1	1													
		Forklift / Cherry Picker	8	94	0.475		2	2	2	2	2	2	2	2	2	2	2	2	2										
		Grader	8	174	0.575							1	1	1	1	1	1	1	1										
		Paver	8	132	0.59									1	1	1													
		Roller	8	114	0.43									1	1	1													
		Rubber Tired Loader	8	165	0.465		1	1	1	1	1	1	1	1	1	1	1	1	1										
		Tractor/Loader/Backhoe/Stinger	8	79	0.465			1	1	1	1	2	2	2	2	2	2	2	2										
		Trencher	8	82	0.695							1	1	1	1	1	1	1	1										
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				9	9	10	9	6	7	8	8	12	12	10	6	3											
		Offsite Haul Trucks (Roundtrips)				30	31	34	19	23	10	12	12	18	18	16	12	6											
	Worker Trips	Worker Trips - Calculated Total				78	72	72	74	96	95	110	110	117	119	117	112	102											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month										12284	12284	12284	12284	12284													
	Asphalt	Asphalt (acres per month)												1	1	1													
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2012 10	2012 11	2012 12	2013 1	2013 2	2013 3	2013 4	2013 5	2013 6	2013 7	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Excavator	8	180	0.58																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
	Foundation / Structure	Concrete Pump	8	190	0.62																								
		Crane	2	190	0.43																								
		Drill Rig	8	218	0.75																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tracked Loader	8	165	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
	Building Construction	Backhoe	8	79	0.465																								
		Forklift	8	94	0.475																								
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger	8	79	0.465																								
		Tractor/Loader/Backhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58																								
		Forklift/Cherry Picker	8	94	0.475																								
		Ram Hoe	8	79	0.465																								
		Rubber Tired Loader	8	165	0.465																								
		Tracked Loader	8	165	0.465																								
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59																								
		Concrete Pump	8	190	0.62																								
		Concrete Screed Machine	8	190	0.62																								
		Crane	2	190	0.43																								
		Drill Rig	8	218	0.75																								
		Earth Mover / Scraper	8	313	0.66																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Roller	8	114	0.43																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Sheepsfoot Vibrator	8	50	0.62																								
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Building Construction	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Paver	8	132	0.59																								
		Roller	8	114	0.43																								
		Rubber Tired Loader	8	165	0.465																								
		Tractor/Loader/Backhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12
Phase 1 (New Library and Technology Center)	Demolition / Site Prep/ Grading	Concrete Pump	8	190	0.62															
		Crane	2	190	0.43															
		Excavator	8	180	0.58															
		Rubber Tired Loader	8	165	0.465															
		Stinger	8	79	0.465															
		Tracked Loader	8	165	0.465															
	Foundation / Structure	Concrete Pump	8	190	0.62															
		Crane	2	190	0.43															
		Drill Rig	8	218	0.75															
		Forklift	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Stinger	8	79	0.465															
		Tracked Loader	8	165	0.465															
		Tractor/Loader/Backhoe	8	79	0.465															
	Building Construction	Backhoe	8	79	0.465															
		Forklift	8	94	0.475															
	Finishing / Architectural Coatings	Concrete Pump	8	190	0.62															
		Forklift	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Stinger	8	79	0.465															
		Tractor/Loader/Backhoe	8	79	0.465															
		Trencher	8	82	0.695															
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																		
		Offsite Haul Trucks (Roundtrips)																		
	Worker Trips	Worker Trips - Calculated Total																		
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	Demolition	Excavator	8	180	0.58															
		Forklift/Cherry Picker	8	94	0.475															
		Ram Hoe	8	79	0.465															
		Rubber Tired Loader	8	165	0.465															
		Tracked Loader	8	165	0.465															
	Shoring and Parking Structure Construction	Asphalt Paver	8	132	0.59															
		Concrete Pump	8	190	0.62															
		Concrete Screed Machine	8	190	0.62															
		Crane	2	190	0.43															
		Drill Rig	8	218	0.75															
		Earth Mover / Scraper	8	313	0.66															
		Excavator	8	180	0.58															
		Forklift / Cherry Picker	8	94	0.475															
		Grader	8	174	0.575															
		Roller	8	114	0.43															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	352	0.59															
		Sheepsfoot Vibrator	8	50	0.62															
		Tractor/Loader/Backhoe/Stinger	8	79	0.465															
		Trencher	8	82	0.695															
	Building Construction	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Forklift / Cherry Picker	8	94	0.475															
		Grader	8	174	0.575															
		Paver	8	132	0.59															
		Roller	8	114	0.43															
		Rubber Tired Loader	8	165	0.465															
		Tractor/Loader/Backhoe/Stinger	8	79	0.465															
		Trencher	8	82	0.695															
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																		
		Offsite Haul Trucks (Roundtrips)																		
	Worker Trips	Worker Trips - Calculated Total																		
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																		
	Asphalt	Asphalt (acres per month)																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	Trip Len (mi.)	Year Month	2009 1	2009 2	2009 3	2009 4	2009 5	2009 6	2009 7	2009 8	2009 9	2009 10	2009 11	2009 12	2010 1	2010 2	2010 3	2010 4	2010 5	2010 6	2010 7	2010 8	2010 9
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Drill Rig	8	218	0.75																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	352	0.59																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
	Building Construction	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																										
		Fugitive Dust (square footage per month) - Demo																										
		Fugitive Dust (yd3 per day) - Normal																										
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Drill Rig	8	218	0.75																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	352	0.59																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
	Building Construction / Renovation	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																										
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																										
		Fugitive Dust (square footage per month) - Demo																										
		Fugitive Dust (yd3 per day) - Normal																										
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																							
		Drill Rig	8	218	0.75																							
		Excavator	8	180	0.58																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	165	0.465																							
		Sheepsfoot Vibratory Compactor	8	50	0.62																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Excavator	8	180	0.58																							
		Forklift / Cherry Picker	8	94	0.475																							
		Grader	8	174	0.575																							
		Rubber Tired Loader	8	165	0.465																							
		Sheepsfoot Vibratory Compactor	8	50	0.62																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																										
	Fugitive Dust	Fugitive Dust (acres per day) - Max																										

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2010 10	2010 11	2010 12	2011 1	2011 2	2011 3	2011 4	2011 5	2011 6	2011 7	2011 8	2011 9	2011 10	2011 11	2011 12	2012 1	2012 2	2012 3	2012 4	2012 5	2012 6	2012 7	2012 8	2012 9
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
	Building Construction	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
	Building Construction / Renovation	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																											
		Fugitive Dust (square footage per month) - Demo																											
		Fugitive Dust (yd3 per day) - Normal																											
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																								
		Drill Rig	8	218	0.75																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Excavator	8	180	0.58																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Rubber Tired Loader	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (acres per day) - Max																											

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2012 10	2012 11	2012 12	2013 1	2013 2	2013 3	2013 4	2013 5	2013 6	2013 7	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62								1	1															
		Crane	4	190	0.43								1	1															
		Drill Rig	8	218	0.75								1																
		Forklift / Cherry Picker	8	94	0.475								1	1															
		Rubber Tired / Tracked Loader	8	165	0.465								2	1															
		Rubber Tired Dozer	8	352	0.59								1																
		Skid Steer Loader	8	62	0.515								1	1															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465									2															
	Building Construction	Concrete Pump	8	190	0.62										1									1					
		Crane	4	190	0.43										1														
		Forklift / Cherry Picker	8	94	0.475										1	1	1	1	1	1	1	1	1	1					
		Rubber Tired Loader	8	165	0.465										1	1	1	1	1	1	1	1		1					
		Skid Steer Loader	8	62	0.515										1	1	1	1	1	1	1	1	1						
		Tar Kettle	8	50	0.62											1													
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465										3	3	2	1	1				1	1					
		Trencher	8	82	0.695										1	1	1						1	1					
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)											2	2	5	5	6	6	6	8	7	6	7	6					
		Offsite Haul Trucks (Roundtrips)											33	22	33	13	11	7	8	10	5	5	13	19					
	Worker Trips	Worker Trips - Calculated Total											26	29	30	44	37	37	36	43	43	42	41	40					
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																					5180						
	Fugitive Dust	Fugitive Dust (acres per day) - Normal												0.5															
		Fugitive Dust (square footage per month) - Demo											1000																
		Fugitive Dust (yd3 per day) - Normal												9															
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62																				1	1			
		Crane	4	190	0.43																				1	1			
		Drill Rig	8	218	0.75																				1				
		Forklift / Cherry Picker	8	94	0.475																				1	1			
		Rubber Tired / Tracked Loader	8	165	0.465																				2	1			
		Rubber Tired Dozer	8	352	0.59																				1				
		Skid Steer Loader	8	62	0.515																				1	1			
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																					3			
	Building Construction / Renovation	Concrete Pump	8	190	0.62																						1		
		Crane	4	190	0.43																						1		
		Forklift / Cherry Picker	8	94	0.475																						1	1	1
		Rubber Tired Loader	8	165	0.465																						1	1	1
		Skid Steer Loader	8	62	0.515																						1	1	1
		Tar Kettle	8	50	0.62																							1	
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465																						3	3	2
		Trencher	8	82	0.695																						1	1	1
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																							2	2	5	5	6
		Offsite Haul Trucks (Roundtrips)																							31	21	26	13	11
	Worker Trips	Worker Trips - Calculated Total																							26	36	37	54	42
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																										0.25	
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																							0.5	0.5			
		Fugitive Dust (square footage per month) - Demo																							1000				
		Fugitive Dust (yd3 per day) - Normal																							12.2	12.2			
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62																				1	1			
		Drill Rig	8	218	0.75																				1	1			
		Excavator	8	180	0.58																				1	1			
		Forklift / Cherry Picker	8	94	0.475																				1	1			
		Rubber Tired / Tracked Loader	8	165	0.465																				2	2			
		Rubber Tired Dozer	8	165	0.465																				1	1			
		Sheepsfoot Vibratory Compactor	8	50	0.62																				1	1			
		Skid Steer Loader	8	62	0.515																				1	1			
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																				2	2			
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62																						1	2	2
		Crane	4	190	0.43																						1		
		Excavator	8	180	0.58																						1		
		Forklift / Cherry Picker	8	94	0.475																						1	1	1
		Grader	8	174	0.575																								
		Rubber Tired Loader	8	165	0.465																						1	1	1
		Sheepsfoot Vibratory Compactor	8	50	0.62																						1	1	1
		Skid Steer Loader	8	62	0.515																						1	1	1
		Tar Kettle	8	50	0.62																							1	1
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																						1	1	1
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																							3	4	6	6	6
		Offsite Haul Trucks (Roundtrips)																							25	32	36	20	11
	Worker Trips	Worker Trips - Calculated Total																							19	45	39	42	35
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																										0.25	0.25
	Fugitive Dust	Fugitive Dust (acres per day) - Max																							0.25	0.25			

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12
Phase 3 (New Academic Building West)	Selective Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Drill Rig	8	218	0.75															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	352	0.59															
		Skid Steer Loader	8	62	0.515															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465															
	Building Construction	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired Loader	8	165	0.465															
		Skid Steer Loader	8	62	0.515															
		Tar Kettle	8	50	0.62															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465															
		Trencher	8	82	0.695															
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																		
		Offsite Haul Trucks (Roundtrips)																		
	Worker Trips	Worker Trips - Calculated Total																		
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		
Phase 3B (Addition and Renovation of Existing Academic Building South)	Selective Demolition / Site Prep	Concrete Pump	8	190	0.62															
		Crane	4	190	0.43															
		Drill Rig	8	218	0.75															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	352	0.59															
		Skid Steer Loader	8	62	0.515															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465															
	Building Construction / Renovation	Concrete Pump	8	190	0.62							1								
		Crane	4	190	0.43															
		Forklift / Cherry Picker	8	94	0.475	1	1	1	1	1	1	1								
		Rubber Tired Loader	8	165	0.465	1	1	1	1	1		1								
		Skid Steer Loader	8	62	0.515	1	1	1	1	1	1									
		Tar Kettle	8	50	0.62															
		Tractor/Loader/Backhoe/Ramhoe	8	79	0.465	1	1				1	1								
		Trencher	8	82	0.695						1	1								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				6	6	8	7	6	7	6								
		Offsite Haul Trucks (Roundtrips)				7	8	10	5	5	13	19								
	Worker Trips	Worker Trips - Calculated Total				42	43	41	43	42	43	52								
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month									7000									
	Asphalt	Asphalt (acres per month)																		
	Fugitive Dust	Fugitive Dust (acres per day) - Normal																		
		Fugitive Dust (square footage per month) - Demo																		
		Fugitive Dust (yd3 per day) - Normal																		
Phase 3C (New Outdoor Aquatic Center)	Demolition / Site Prep / Retaining Walls	Concrete Pump	8	190	0.62															
		Drill Rig	8	218	0.75															
		Excavator	8	180	0.58															
		Forklift / Cherry Picker	8	94	0.475															
		Rubber Tired / Tracked Loader	8	165	0.465															
		Rubber Tired Dozer	8	165	0.465															
		Sheepsfoot Vibratory Compactor	8	50	0.62															
		Skid Steer Loader	8	62	0.515															
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465															
	Building Construction	Concrete/Stucco/Sot Crete Pump	8	190	0.62	1	2	2	2	2										
		Crane	4	190	0.43															
		Excavator	8	180	0.58															
		Forklift / Cherry Picker	8	94	0.475	1	1	1	1	1	1									
		Grader	8	174	0.575		1	1	1	1										
		Rubber Tired Loader	8	165	0.465		1	1	1	1	1									
		Sheepsfoot Vibratory Compactor	8	50	0.62															
		Skid Steer Loader	8	62	0.515	1	1	1	1	1	1									
		Tar Kettle	8	50	0.62															
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465	1	1	1	1	1	1									
		Trencher	8	82	0.695		1	1	1	1										
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				6	6	6	4	5	3									
		Offsite Haul Trucks (Roundtrips)				8	11	5	15	9	5									
	Worker Trips	Worker Trips - Calculated Total				36	41	44	44	42	30									
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month						832.5	832.5	832.5	832.5									
	Asphalt	Asphalt (acres per month)																		
	Fugitive Dust	Fugitive Dust (acres per day) - Max																		

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	Trip Len (mi.)	Year Month	2009 1	2009 2	2009 3	2009 4	2009 5	2009 6	2009 7	2009 8	2009 9	2009 10	2009 11	2009 12	2010 1	2010 2	2010 3	2010 4	2010 5	2010 6	2010 7	2010 8	2010 9
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62																							
		Drill Rig	8	218	0.75																							
		Forklift / Cherry Picker	8	94	0.475																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Rubber Tired Dozer	8	352	0.59																							
		Skid Steer Loader	8	62	0.515																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62																							
		Forklift / Cherry Picker	8	94	0.475																							
		Grader	8	174	0.575																							
		Rubber Tired / Tracked Loader	8	165	0.465																							
		Sheepsfoot Vibratory Compactor	8	50	0.62																							
		Skid Steer Loader	8	62	0.515																							
		Tar Kettle	8	50	0.62																							
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																							
		Trencher	8	82	0.695																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Asphalt	Asphalt (acres per month)																										
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																										
Phase 3D (Lower School Renovations) - Scenario 3	Demolition and Structure	Concrete Pump	8	190	0.62																							
		Crane	4	190	0.43																							
		Forklift	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465																							
	Building Construction	Concrete Pump	8	190	0.62																							
		Forklift	8	94	0.475																							
		Rubber Tired Loader	8	165	0.465																							
		Stinger Crane	4	190	0.43																							
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)				20																						
		Offsite Haul Trucks (Roundtrips)				20																						
	Worker Trips	Worker Trips - Calculated Total				20																						
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																										
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																										

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2010 10	2010 11	2010 12	2011 1	2011 2	2011 3	2011 4	2011 5	2011 6	2011 7	2011 8	2011 9	2011 10	2011 11	2011 12	2012 1	2012 2	2012 3	2012 4	2012 5	2012 6	2012 7	2012 8	2012 9
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																											
Phase 3D (Lower School Renovations) - Scenario 3	Demolition and Structure	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465																								
	Building Construction	Concrete Pump	8	190	0.62																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger Crane	4	190	0.43																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																											

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2012 10	2012 11	2012 12	2013 1	2013 2	2013 3	2013 4	2013 5	2013 6	2013 7	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62																								
		Drill Rig	8	218	0.75																								
		Forklift / Cherry Picker	8	94	0.475																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Rubber Tired Dozer	8	352	0.59																								
		Skid Steer Loader	8	62	0.515																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62																								
		Forklift / Cherry Picker	8	94	0.475																								
		Grader	8	174	0.575																								
		Rubber Tired / Tracked Loader	8	165	0.465																								
		Sheepsfoot Vibratory Compactor	8	50	0.62																								
		Skid Steer Loader	8	62	0.515																								
		Tar Kettle	8	50	0.62																								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465																								
		Trencher	8	82	0.695																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Asphalt	Asphalt (acres per month)																											
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																											
Phase 3D (Lower School Renovations) - Scenario 3	Demolition and Structure	Concrete Pump	8	190	0.62																								
		Crane	4	190	0.43																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465																								
	Building Construction	Concrete Pump	8	190	0.62																								
		Forklift	8	94	0.475																								
		Rubber Tired Loader	8	165	0.465																								
		Stinger Crane	4	190	0.43																								
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)																											
		Offsite Haul Trucks (Roundtrips)																											
	Worker Trips	Worker Trips - Calculated Total																											
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																											
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo																											

Buckley School
Construction Phasing Schedule - Scenario 3
Pieces of Equipment per Day

Project	Phase	EquipmentName	Hours	HP	Load	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12
Phase 3C (Disney Pavilion Rennovation)	Demolition/Retaining Walls/Foundation	Concrete Pump	8	190	0.62							1								
		Drill Rig	8	218	0.75							1								
		Forklift / Cherry Picker	8	94	0.475						1	1								
		Rubber Tired / Tracked Loader	8	165	0.465						2	1								
		Rubber Tired Dozer	8	352	0.59						1	1								
		Skid Steer Loader	8	62	0.515						1	1								
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465						2	3								
	Building Construction	Concrete/Sot Crete/Stucco Pump	8	190	0.62								2	2	1	2	2	2	2	2
		Forklift / Cherry Picker	8	94	0.475								1	1	1	1	1	1	1	1
		Grader	8	174	0.575											1	1	1	1	1
		Rubber Tired / Tracked Loader	8	165	0.465								1	1	1	1	1	1	1	1
		Sheepsfoot Vibratory Compactor	8	50	0.62								1	1						
		Skid Steer Loader	8	62	0.515								1	1	1	1	1	1	1	1
		Tar Kettle	8	50	0.62								1	1						
		Tractor/Loader/Backhoe/Ramhoe/Stinger	8	79	0.465								1	1		1	1	1	1	1
		Trencher	8	82	0.695											1	1	1	1	1
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)									3	4	6	6	6	6	6	6	6	6
		Offsite Haul Trucks (Roundtrips)									15	23	26	14	9	8	11	5	11	5
	Worker Trips	Worker Trips - Calculated Total									19	45	49	53	50	50	50	42	42	38
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month																9666.7	9666.7	9666.7
	Asphalt	Asphalt (acres per month)											0.25	0.25						
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo									1000	1000								
Phase 3D (Lower School Renovations) - Scenario 3	Demolition and Structure	Concrete Pump	8	190	0.62								1							
		Crane	4	190	0.43								1							
		Forklift	8	94	0.475								1							
		Rubber Tired Loader	8	165	0.465								1							
		Tractor/Loader/Backhoe/Breaker/Stinger	8	79	0.465								1							
	Building Construction	Concrete Pump	8	190	0.62									1						
		Forklift	8	94	0.475									1	1	1	1			
		Rubber Tired Loader	8	165	0.465												1			
		Stinger Crane	4	190	0.43									1	1	1				
	Off-site Truck Trips	Offsite Delivery Trucks (Roundtrips)											3	3	3	2	3			
		Offsite Haul Trucks (Roundtrips)											6	7	7	5	5			
	Worker Trips	Worker Trips - Calculated Total											35	37	45	44	15			
	Architectural Coatings	Architectural Coatings - Commercial Square Footage per month												5750	5750	5750				
	Fugitive Dust	Fugitive Dust (square footage per month) - Demo											2000							

Buckley School -
Construction Emissions - (Scenario 1)
(lbs/day)

			Year	2009	2009	2009	2009	2009	2009	2009	2009	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2013	2013	2013
Project	**EmissionType**	**Pollutant**	**Month**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**5**	**6**	**7**
Phase 1 (New Library and Technology Center)	ConstructionEquipment	CO		86.4																																
		NOx		62.9																																
		PM10		1.0																																
		ROG		10.3																																
	ConstructionEquipment	CO			119.8	36.2	42.9																													
		NOx			85.7	28.7	33.3																														
		PM10			1.3	0.5	0.6																														
		ROG			14.3	4.4	5.2																														
	ConstructionEquipment	CO						13.4	11.8	11.8	11.8	12.0	12.0																								
		NOx						9.1	9.0	9.0	9.0	8.8	8.8																								
		PM10						0.1	0.2	0.2	0.2	0.1	0.1																								
		ROG						1.6	1.4	1.4	1.4	1.4	1.4																								
	ConstructionEquipment	CO												71.5	71.5																					
		NOx												53.7	53.7																					
		PM10												1.0	1.0																					
		ROG												8.6	8.6																					
	MobileConstruction	CO		6.3	6.7	9.2	5.2	5.8	4.8	5.0	6.5	4.6	4.0	5.9	6.5																					
		NOx		33.5	35.9	43.2	18.4	19.3	13.4	14.6	18.7	10.6	9.8	18.8	24.3																					
		PM10		0.6	0.7	0.8	0.3	0.4	0.3	0.3	0.4	0.2	0.2	0.4	0.5																					
		ROG		1.3	1.4	1.8	1.0	1.1	0.8	0.9	1.2	0.8	0.7	1.1	1.2																					
		SOx		0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																					
	MobileWorker	CO		11.3	10.4	13.0	16.1	16.1	16.1	18.2	19.1	17.1	21.1	20.7	15.9																					
		NOx		1.2	1.1	1.4	1.7	1.7	1.7	1.9	2.0	1.8	2.2	2.2	1.7																					
		PM10		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1																					
		ROG		1.2	1.1	1.4	1.7	1.7	1.7	2.0	2.1	1.9	2.3	2.3	1.7																					
		SOx		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																					
	Fugitive PM10	PM10		9.9	9.7	9.7	9.7																													
	Fugitive ROG	ROG												15.8	15.8																					
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	ConstructionEquipment	CO														96.0																				
		NOx														66.1																				
		PM10														0.9																				
		ROG														11.3																				
	ConstructionEquipment	CO															204.8	223.8	82.0	49.2	67.2															
		NOx															147.2	160.2	60.9	37.9	48.3															
		PM10															2.4	2.6	1.1	0.7	0.8															
		ROG															24.3	26.6	9.8	6.0	8.0															
	ConstructionEquipment	CO																				54.2	36.3	36.3	42.5	30.2	76.2	76.2	101.3	101.3	101.3	76.2	76.2			
		NOx																				38.9	25.4	25.4	29.6	21.2	55.0	55.0	72.2	72.2	72.2	55.0	55.0			
		PM10																				0.6	0.4	0.4	0.4	0.3	0.9	0.9	1.1	1.1	1.1	0.9	0.9			
		ROG																				6.4	4.3	4.3	5.0	3.6	9.1	9.1	12.0	12.0	12.0	9.1	9.1			
	MobileConstruction	CO										10.5	13.4	17.6	10.3	17.1	9.9	10.1	11.2	7.4	6.6	5.0	5.8	5.8	8.7	8.7	7.4	4.8	2.4							
		NOx										43.3	63.2	88.0	40.0	80.2	37.9	39.0	42.8	22.9	24.4	13.6	16.1	16.1	24.1	24.1	21.0	14.7	7.4							
		PM10										0.8	1.2	1.7	0.8	1.6	0.7	0.8	0.8	0.5	0.5	0.3	0.3	0.3	0.5	0.5	0.4	0.3	0.2							
		ROG										2.1	2.7	3.6	2.0	3.5	1.9	1.9	2.1	1.4	1.3	0.9	1.1	1.1	1.6	1.6	1.4	0.9	0.5							
		SOx										0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	MobileWorker	CO										23.9	28.7	29.5	33.8	33.0	31.1	28.7	28.7	27.4	35.6	35.2	40.8	40.8	43.4	44.1	43.4	41.5	37.8							
		NOx										2.5	3.0	3.1	3.5	3.4	3.2	3.0	3.0	2.8	3.7	3.6	4.2	4.2	4.5	4.5	4.5	4.3	3.9							
		PM10										0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3							
		ROG										2.6	3.1	3.2	3.7	3.6	3.4	3.1	3.1	3.0	3.9	3.9	4.5	4.5	4.8	4.8	4.8	4.5	4.1							
		SOx										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	Fugitive PM10	PM10										4.9	34.5	34.5																						
	Fugitive ROG	ROG												2.6	2.6												20.7	20.7	23.3	23.3	23.3					

Buckley School -
Construction Emissions - (Scenario 1)
(lbs/day)

Project	EmissionType	Pollutant	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12	Max (lbs/day)
Phase 1 (New Library and Technology Center)	ConstructionEquipment	CO																														86.4
		NOx																														62.9
		PM10																														1.0
		ROG																														10.3
	ConstructionEquipment	CO																														119.8
		NOx																														85.7
		PM10																														1.3
		ROG																														14.3
	ConstructionEquipment	CO																														13.4
		NOx																														9.1
		PM10																														0.2
		ROG																														1.6
	ConstructionEquipment	CO																														71.5
		NOx																														53.7
		PM10																														1.0
		ROG																														8.6
	MobileConstruction	CO																														9.2
		NOx																														43.2
		PM10																														0.8
		ROG																														1.8
		SOx																														0.1
	MobileWorker	CO																														21.1
		NOx																														2.2
		PM10																														0.2
		ROG																														2.3
		SOx																														0.0
	Fugitive PM10	PM10																														9.9
	Fugitive ROG	ROG																														15.8
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	ConstructionEquipment	CO																														96.0
		NOx																														66.1
		PM10																														0.9
		ROG																														11.3
	ConstructionEquipment	CO																														223.8
		NOx																														160.2
		PM10																														2.6
		ROG																														26.6
	ConstructionEquipment	CO																														101.3
		NOx																														72.2
		PM10																														1.1
		ROG																														12.0
	MobileConstruction	CO																														17.6
		NOx																														88.0
		PM10																														1.7
		ROG																														3.6
		SOx																														0.2
	MobileWorker	CO																														44.1
		NOx																														4.5
		PM10																														0.4
		ROG																														4.8
		SOx																														0.0
	Fugitive PM10	PM10																														34.5
	Fugitive ROG	ROG																														23.3

Buckley School -
Construction Emissions - (Scenario 1)
(lbs/day)

			Year	2009	2009	2009	2009	2009	2009	2009	2009	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2013	2013	2013
Project	**EmissionType**	**Pollutant**	**Month**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**5**	**6**	**7**
Phase 3 (New Academic Building West)	ConstructionEquipment	CO																																112.3	56.8	
		NOx																																81.8	41.8	
		PM10																																1.4	0.7	
		ROG																																13.4	6.8	
	ConstructionEquipment	CO																																		70.7
		NOx																																		51.9
		PM10																																		0.9
		ROG																																		8.5
	MobileConstruction	CO																																5.5	3.9	6.7
		NOx																																23.6	16.1	25.3
		PM10																																0.6	0.4	0.6
		ROG																																1.1	0.8	1.3
		SOx																																0.1	0.0	0.1
	MobileWorker	CO																																8.1	9.1	9.4
		NOx																																0.8	0.9	0.9
		PM10																																0.1	0.1	0.1
		ROG																																0.9	1.0	1.0
		SOx																																0.0	0.0	0.0
	Fugitive PM10	PM10																																0.2	1.8	
	Fugitive ROG	ROG																																		
Phase 3B (Addition and Renovation of Existing Academic Building South)	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	MobileConstruction	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	MobileWorker	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	Fugitive PM10	PM10																																		
	Fugitive ROG	ROG																																		
Phase 3C (New Outdoor Aquatic Center)	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	MobileConstruction	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	MobileWorker	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	Fugitive PM10	PM10																																		
	Fugitive ROG	ROG																																		

Buckley School -
Construction Emissions - (Scenario 1)
(lbs/day)

Project	EmissionType	Pollutant	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12	Max (lbs/day)
Phase 3 (New Academic Building West)	ConstructionEquipment	CO																													112.3
		NOx																													81.8
		PM10																													1.4
		ROG																													13.4
	ConstructionEquipment	CO	52.0	42.2	28.3	28.3	23.0	23.0	23.0	25.3	49.1																				70.7
		NOx	37.7	29.9	19.9	19.9	15.7	15.7	15.7	17.9	36.0																				51.9
		PM10	0.6	0.5	0.3	0.3	0.2	0.2	0.2	0.3	0.6																				0.9
		ROG	6.2	5.0	3.4	3.4	2.7	2.7	2.7	3.0	5.9																				8.5
	MobileConstruction	CO	3.9	4.0	3.4	3.5	4.6	3.3	2.9	4.3	4.8																				6.7
		NOx	11.6	10.8	8.1	8.8	11.2	6.5	6.0	11.3	14.4																				25.3
		PM10	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.3	0.4																				0.6
		ROG	0.7	0.8	0.6	0.7	0.9	0.6	0.5	0.8	0.9																				1.3
		SOx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																				0.1
	MobileWorker	CO	13.8	11.6	11.6	11.3	13.4	12.4	12.1	11.8	11.5																				13.8
		NOx	1.4	1.2	1.2	1.1	1.4	1.2	1.2	1.2	1.2																				1.4
		PM10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1																				0.1
		ROG	1.5	1.3	1.3	1.3	1.5	1.4	1.4	1.3	1.3																				1.5
		SOx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																				0.0
	Fugitive PM10	PM10																													1.8
	Fugitive ROG	ROG								8.7																					8.7
Phase 3B (Addition and Renovation of Existing Academic Building South)	ConstructionEquipment	CO										112.3	62.2																		112.3
		NOx										81.8	46.0																		81.8
		PM10										1.4	0.8																		1.4
		ROG										13.4	7.4																		13.4
	ConstructionEquipment	CO												70.7	52.0	42.2	28.3	28.3	23.0	23.0	23.0	25.3	49.1								70.7
		NOx												51.9	37.7	29.9	19.9	19.9	15.7	15.7	15.7	17.9	36.0								51.9
		PM10												0.9	0.6	0.5	0.3	0.3	0.2	0.2	0.2	0.3	0.6								0.9
		ROG												8.5	6.2	5.0	3.4	3.4	2.7	2.7	2.7	3.0	5.9								8.5
	MobileConstruction	CO										4.9	3.6	5.4	3.6	3.7	3.2	3.3	4.3	3.0	2.7	4.1	4.5								5.4
		NOx										19.7	13.7	18.2	10.3	9.6	7.2	7.8	10.0	5.8	5.4	10.1	12.9								19.7
		PM10										0.5	0.3	0.5	0.3	0.2	0.2	0.2	0.3	0.2	0.1	0.3	0.3								0.5
		ROG										1.0	0.7	1.1	0.7	0.7	0.6	0.6	0.8	0.6	0.5	0.8	0.9								1.1
		SOx										0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								0.1
	MobileWorker	CO										7.5	10.3	10.6	15.5	12.1	12.1	12.4	11.8	11.4	11.1	11.4	13.8								15.5
		NOx										0.7	1.0	1.1	1.6	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.4								1.6
		PM10										0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2								0.2
		ROG										0.8	1.2	1.2	1.8	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.6								1.8
		SOx										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								0.0
	Fugitive PM10	PM10										2.2	2.0																		2.2
	Fugitive ROG	ROG													0.7							11.8									11.8
Phase 3C (New Outdoor Aquatic Center)	ConstructionEquipment	CO										118.4	118.4																		118.4
		NOx										84.3	84.3																		84.3
		PM10										1.3	1.3																		1.3
		ROG										14.1	14.1																		14.1
	ConstructionEquipment	CO												71.7	71.5	71.5	33.9	86.0	86.0	86.0	86.0	28.3									86.0
		NOx												51.8	54.1	54.1	25.6	63.0	63.0	63.0	63.0	19.9									63.0
		PM10												0.8	1.0	1.0	0.5	1.1	1.1	1.1	1.1	0.3									1.1
		ROG												8.5	8.6	8.6	4.1	10.3	10.3	10.3	10.3	3.4									10.3
	MobileConstruction	CO										4.5	5.8	7.1	4.9	3.7	3.3	3.7	2.9	3.3	2.9	1.7									7.1
		NOx										16.6	21.3	24.7	15.0	9.6	7.8	9.6	6.0	9.8	7.1	4.0									24.7
		PM10										0.4	0.5	0.6	0.4	0.2	0.2	0.2	0.1	0.3	0.2	0.1									0.6
		ROG										0.9	1.2	1.4	1.0	0.7	0.6	0.7	0.5	0.7	0.6	0.3									1.4
		SOx										0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									0.1
	MobileWorker	CO										5.5	12.9	11.2	12.1	10.1	10.3	11.8	12.6	11.6	11.1	7.9									12.9
		NOx										0.5	1.3	1.1	1.2	1.0	1.0	1.2	1.3	1.2	1.1	0.8									1.3
		PM10										0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1									0.2
		ROG										0.6	1.5	1.3	1.4	1.1	1.2	1.3	1.4	1.3	1.3	0.9									1.5
		SOx										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									0.0
	Fugitive PM10	PM10										2.4	2.4																		2.4
	Fugitive ROG	ROG													0.7	0.7			1.4	1.4	1.4	1.4									1.4

Buckley School -
Construction Emissions - (Scenario 1)
(lbs/day)

			Year	2009	2009	2009	2009	2009	2009	2009	2009	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2013	2013	2013
Project	**EmissionType**	**Pollutant**	**Month**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**5**	**6**	**7**
Phase 3C (Disney Pavilion Rennovation)	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	MobileConstruction	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	MobileWorker	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	Fugitive PM10	PM10																																		
	Fugitive ROG	ROG																																		
Phase 3D (Lower School Renovations) - Scenario 1	ConstructionEquipment	CO																																46.7		
		NOx																																34.3		
		PM10																																0.6		
		ROG																																5.6		
	ConstructionEquipment	CO																																	29.9	12.8
		NOx																																	22.3	8.7
		PM10																																	0.4	0.1
		ROG																																	3.6	1.5
	MobileConstruction	CO																																2.1	2.2	2.2
		NOx																																5.7	6.4	6.4
		PM10																																0.1	0.2	0.2
		ROG																																0.4	0.4	0.4
		SOx																																0.0	0.0	0.0
	MobileWorker	CO																																10.9	11.6	14.1
		NOx																																1.1	1.2	1.4
		PM10																																0.1	0.1	0.1
		ROG																																1.2	1.3	1.6
		SOx																																0.0	0.0	0.0
	Fugitive PM10	PM10																																0.4		
	Fugitive ROG	ROG																																	9.7	9.7
Grand Total		CO Sum		104.0	136.8	58.4	64.2	35.2	32.7	35.1	37.5	33.7	37.1	98.2	93.9	130.4	246.8	270.8	126.2	99.3	108.2	93.0	76.2	71.2	84.7	70.4	122.8	122.8	153.4	154.1	152.1	122.5	116.4	185.7	113.5	115.9
		NOx Sum		97.6	122.7	73.2	53.4	30.1	24.1	25.5	29.7	21.1	20.8	74.7	79.6	111.9	213.4	251.2	104.4	121.6	89.5	80.8	71.2	51.1	57.7	38.4	75.3	75.3	100.7	100.8	97.6	74.0	66.2	147.4	88.7	94.7
		PM10 Sum		11.6	11.8	11.2	10.8	0.6	0.5	0.6	0.7	0.5	0.5	1.5	1.6	6.9	38.3	39.0	2.1	2.6	1.8	1.6	1.4	1.1	1.3	0.9	1.6	1.6	2.0	2.0	2.0	1.6	1.4	3.4	3.6	2.0
		ROG Sum		12.9	16.8	7.7	7.9	4.4	4.0	4.3	4.7	4.1	4.4	27.7	27.4	16.0	30.2	36.0	18.1	13.0	13.3	11.5	9.6	8.7	10.2	8.4	35.3	35.3	41.7	41.8	41.4	14.5	13.7	22.6	23.6	24.0
		SOx Sum		0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Buckley School -
Construction Emissions - (Scenario 1)
(lbs/day)

Project	EmissionType	Pollutant	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12	Max (lbs/day)
Phase 3C (Disney Pavilion Rennovation)	ConstructionEquipment	CO																				75.2	110.7									110.7
		NOx																				55.8	82.4									82.4
		PM10																				1.0	1.4									1.4
		ROG																				9.0	13.3									13.3
	ConstructionEquipment	CO																						71.5	71.5	40.1	86.0	86.0	86.0	86.0	86.0	86.0
		NOx																						54.1	54.1	29.2	63.0	63.0	63.0	63.0	63.0	63.0
		PM10																						1.0	1.0	0.5	1.1	1.1	1.1	1.1	1.1	1.1
		ROG																						8.6	8.6	4.8	10.3	10.3	10.3	10.3	10.3	10.3
	MobileConstruction	CO																				3.0	4.3	5.4	3.9	3.2	3.1	3.5	2.7	3.5	2.7	5.4
		NOx																				9.4	14.1	16.7	10.2	7.5	7.0	8.6	5.4	8.6	5.4	16.7
		PM10																				0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.4
		ROG																				0.6	0.9	1.1	0.8	0.6	0.6	0.7	0.5	0.7	0.5	1.1
		SOx																				0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	MobileWorker	CO																				5.0	11.9	13.0	14.0	13.2	13.2	13.2	11.1	11.1	10.0	14.0
		NOx																				0.5	1.2	1.3	1.4	1.3	1.3	1.3	1.1	1.1	1.0	1.4
		PM10																				0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2
		ROG																				0.6	1.4	1.5	1.6	1.5	1.5	1.5	1.3	1.3	1.2	1.6
		SOx																				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Fugitive PM10	PM10																				0.2	0.2									0.2
	Fugitive ROG	ROG																						0.7	0.7				16.3	16.3	16.3	16.3
Phase 3D (Lower School Renovations) - Scenario 1	ConstructionEquipment	CO																														46.7
		NOx																														34.3
		PM10																														0.6
		ROG																														5.6
	ConstructionEquipment	CO	12.8	18.2																												29.9
		NOx	8.7	12.4																												22.3
		PM10	0.1	0.2																												0.4
		ROG	1.5	2.1																												3.6
	MobileConstruction	CO	1.5	1.9																												2.2
		NOx	4.5	5.1																												6.4
		PM10	0.1	0.1																												0.2
		ROG	0.3	0.4																												0.4
		SOx	0.0	0.0																												0.0
	MobileWorker	CO	13.8	4.7																												14.1
		NOx	1.4	0.5																												1.4
		PM10	0.1	0.0																												0.1
		ROG	1.5	0.5																												1.6
		SOx	0.0	0.0																												0.0
	Fugitive PM10	PM10																														0.4
	Fugitive ROG	ROG	9.7																													9.7
Grand Total		CO Sum	97.7	82.5	43.3	43.1	41.1	38.6	38.0	41.5	65.4	253.0	213.2	176.6	159.6	143.2	91.1	145.5	140.6	138.3	136.8	161.9	194.3	89.8	89.3	56.5	102.3	102.7	99.8	100.6	98.8	270.8
		NOx Sum	65.4	59.9	29.1	29.8	28.3	23.4	22.9	30.4	51.6	203.7	167.7	148.8	119.9	105.5	62.7	102.8	97.1	96.7	93.3	119.6	148.0	72.0	65.7	38.0	71.3	72.9	69.5	72.7	69.4	251.2
		PM10 Sum	1.4	1.2	0.6	0.6	0.6	0.5	0.5	0.7	1.1	8.3	7.6	3.1	2.6	2.2	1.4	2.1	2.0	2.0	1.9	2.7	3.3	1.6	1.4	0.9	1.4	1.5	1.3	1.4	1.3	39.0
		ROG Sum	21.5	10.1	5.3	5.3	5.1	4.7	4.6	13.9	8.1	30.8	26.0	21.9	20.9	18.2	11.2	17.7	18.5	18.3	18.0	33.0	23.8	11.8	11.6	6.9	12.4	12.5	28.3	28.5	28.2	41.8
		SOx Sum	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Buckley School -
Construction Emissions - (Scenario 2)
(lbs/day)

			Year	2009	2009	2009	2009	2009	2009	2009	2009	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2013	2013	2013
Project	**EmissionType**	**Pollutant**	**Month**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**5**	**6**	**7**
Phase 1 (New Library and Technology Center)	ConstructionEquipment	CO		86.4																																
		NOx		62.9																																
		PM10		1.0																																
		ROG		10.3																																
	ConstructionEquipment	CO			119.8	36.2	42.9																													
		NOx			85.7	28.7	33.3																														
		PM10			1.3	0.5	0.6																														
		ROG			14.3	4.4	5.2																														
	ConstructionEquipment	CO						13.4	11.8	11.8	11.8	12.0	12.0																								
		NOx						9.1	9.0	9.0	9.0	8.8	8.8																								
		PM10						0.1	0.2	0.2	0.2	0.1	0.1																								
		ROG						1.6	1.4	1.4	1.4	1.4	1.4																								
	ConstructionEquipment	CO												71.5	71.5																					
		NOx												53.7	53.7																					
		PM10												1.0	1.0																					
		ROG												8.6	8.6																					
	MobileConstruction	CO		6.3	6.7	9.2	5.2	5.8	4.8	5.0	6.5	4.6	4.0	5.9	6.5																					
		NOx		33.5	35.9	43.2	18.4	19.3	13.4	14.6	18.7	10.6	9.8	18.8	24.3																					
		PM10		0.6	0.7	0.8	0.3	0.4	0.3	0.3	0.4	0.2	0.2	0.4	0.5																					
		ROG		1.3	1.4	1.8	1.0	1.1	0.8	0.9	1.2	0.8	0.7	1.1	1.2																					
		SOx		0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																					
	MobileWorker	CO		11.3	10.4	13.0	16.1	16.1	16.1	18.2	19.1	17.1	21.1	20.7	15.9																					
		NOx		1.2	1.1	1.4	1.7	1.7	1.7	1.9	2.0	1.8	2.2	2.2	1.7																					
		PM10		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1																					
		ROG		1.2	1.1	1.4	1.7	1.7	1.7	2.0	2.1	1.9	2.3	2.3	1.7																					
		SOx		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																					
	Fugitive PM10	PM10		9.9	9.7	9.7	9.7																													
	Fugitive ROG	ROG												15.8	15.8																					
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	ConstructionEquipment	CO														96.0																				
		NOx														66.1																				
		PM10														0.9																				
		ROG														11.3																				
	ConstructionEquipment	CO															204.8	223.8	82.0	49.2	67.2															
		NOx															147.2	160.2	60.9	37.9	48.3															
		PM10															2.4	2.6	1.1	0.7	0.8															
		ROG															24.3	26.6	9.8	6.0	8.0															
	ConstructionEquipment	CO																				54.2	36.3	36.3	42.5	30.2	76.2	76.2	101.3	101.3	101.3	76.2	76.2			
		NOx																				38.9	25.4	25.4	29.6	21.2	55.0	55.0	72.2	72.2	72.2	55.0	55.0			
		PM10																				0.6	0.4	0.4	0.4	0.3	0.9	0.9	1.1	1.1	1.1	0.9	0.9			
		ROG																				6.4	4.3	4.3	5.0	3.6	9.1	9.1	12.0	12.0	12.0	9.1	9.1			
	MobileConstruction	CO														10.5	13.4	17.6	10.3	17.1	9.9	10.1	11.2	7.4	6.6	5.0	5.8	5.8	8.7	8.7	7.4	4.8	2.4			
		NOx														43.3	63.2	88.0	40.0	80.2	37.9	39.0	42.8	22.9	24.4	13.6	16.1	16.1	24.1	24.1	21.0	14.7	7.4			
		PM10														0.8	1.2	1.7	0.8	1.6	0.7	0.8	0.8	0.5	0.5	0.3	0.3	0.3	0.5	0.5	0.4	0.3	0.2			
		ROG														2.1	2.7	3.6	2.0	3.5	1.9	1.9	2.1	1.4	1.3	0.9	1.1	1.1	1.6	1.6	1.4	0.9	0.5			
		SOx														0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	MobileWorker	CO														23.9	28.7	29.5	33.8	33.0	31.1	28.7	28.7	27.4	35.6	35.2	40.8	40.8	43.4	44.1	43.4	41.5	37.8			
		NOx														2.5	3.0	3.1	3.5	3.4	3.2	3.0	3.0	2.8	3.7	3.6	4.2	4.2	4.5	4.5	4.5	4.3	3.9			
		PM10														0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3			
		ROG														2.6	3.1	3.2	3.7	3.6	3.4	3.1	3.1	3.0	3.9	3.9	4.5	4.5	4.8	4.8	4.8	4.5	4.1			
		SOx														0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	Fugitive PM10	PM10														4.9	34.5	34.5																		
	Fugitive ROG	ROG																2.6	2.6								20.7	20.7	23.3	23.3	23.3					

Buckley School -
Construction Emissions - (Scenario 2)
(lbs/day)

Project	EmissionType	Pollutant	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12	Max (lbs/day)
Phase 1 (New Library and Technology Center)	ConstructionEquipment	CO																													86.4
		NOx																													62.9
		PM10																													1.0
		ROG																													10.3
	ConstructionEquipment	CO																													119.8
		NOx																													85.7
		PM10																													1.3
		ROG																													14.3
	ConstructionEquipment	CO																													13.4
		NOx																													9.1
		PM10																													0.2
		ROG																													1.6
	ConstructionEquipment	CO																													71.5
		NOx																													53.7
		PM10																													1.0
		ROG																													8.6
	MobileConstruction	CO																													9.2
		NOx																													43.2
		PM10																													0.8
		ROG																													1.8
		SOx																													0.1
	MobileWorker	CO																													21.1
		NOx																													2.2
		PM10																													0.2
		ROG																													2.3
		SOx																													0.0
	Fugitive PM10	PM10																													9.9
	Fugitive ROG	ROG																													15.8
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	ConstructionEquipment	CO																													96.0
		NOx																													66.1
		PM10																													0.9
		ROG																													11.3
	ConstructionEquipment	CO																													223.8
		NOx																													160.2
		PM10																													2.6
		ROG																													26.6
	ConstructionEquipment	CO																													101.3
		NOx																													72.2
		PM10																													1.1
		ROG																													12.0
	MobileConstruction	CO																													17.6
		NOx																													88.0
		PM10																													1.7
		ROG																													3.6
		SOx																													0.2
	MobileWorker	CO																													44.1
		NOx																													4.5
		PM10																													0.4
		ROG																													4.8
		SOx																													0.0
	Fugitive PM10	PM10																													34.5
	Fugitive ROG	ROG																													23.3

Buckley School -
Construction Emissions - (Scenario 2)
(lbs/day)

			Year	2009	2009	2009	2009	2009	2009	2009	2009	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2013	2013	2013
Project	**EmissionType**	**Pollutant**	**Month**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**5**	**6**	**7**
Phase 3 (New Academic Building West)	ConstructionEquipment	CO																																112.3	56.8	
		NOx																																81.8	41.8	
		PM10																																1.4	0.7	
		ROG																																13.4	6.8	
	ConstructionEquipment	CO																																		70.7
		NOx																																		51.9
		PM10																																		0.9
		ROG																																		8.5
	MobileConstruction	CO																																5.5	3.9	6.7
		NOx																																23.6	16.1	25.3
		PM10																																0.6	0.4	0.6
		ROG																																1.1	0.8	1.3
		SOx																																0.1	0.0	0.1
	MobileWorker	CO																																8.1	9.1	9.4
		NOx																																0.8	0.9	0.9
		PM10																																0.1	0.1	0.1
		ROG																																0.9	1.0	1.0
		SOx																																0.0	0.0	0.0
	Fugitive PM10	PM10																																0.2	1.8	
	Fugitive ROG	ROG																																		
Phase 3B (Addition and Renovation of Existing Academic Building South)	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	MobileConstruction	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	MobileWorker	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	Fugitive PM10	PM10																																		
	Fugitive ROG	ROG																																		
Phase 3C (New Outdoor Aquatic Center)	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	MobileConstruction	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	MobileWorker	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	Fugitive PM10	PM10																																		
	Fugitive ROG	ROG																																		

Buckley School -
Construction Emissions - (Scenario 2)
(lbs/day)

Project	EmissionType	Pollutant	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12	Max (lbs/day)
Phase 3 (New Academic Building West)	ConstructionEquipment	CO																													112.3
		NOx																													81.8
		PM10																													1.4
		ROG																													13.4
	ConstructionEquipment	CO	52.0	42.2	28.3	28.3	23.0	23.0	23.0	25.3	49.1																				70.7
		NOx	37.7	29.9	19.9	19.9	15.7	15.7	15.7	17.9	36.0																				51.9
		PM10	0.6	0.5	0.3	0.3	0.2	0.2	0.2	0.3	0.6																				0.9
		ROG	6.2	5.0	3.4	3.4	2.7	2.7	2.7	3.0	5.9																				8.5
	MobileConstruction	CO	3.9	4.0	3.4	3.5	4.6	3.3	2.9	4.3	4.8																				6.7
		NOx	11.6	10.8	8.1	8.8	11.2	6.5	6.0	11.3	14.4																				25.3
		PM10	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.3	0.4																				0.6
		ROG	0.7	0.8	0.6	0.7	0.9	0.6	0.5	0.8	0.9																				1.3
		SOx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																				0.1
	MobileWorker	CO	13.8	11.6	11.6	11.3	13.4	12.4	12.1	11.8	11.5																				13.8
		NOx	1.4	1.2	1.2	1.1	1.4	1.2	1.2	1.2	1.2																				1.4
		PM10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1																				0.1
		ROG	1.5	1.3	1.3	1.3	1.5	1.4	1.4	1.3	1.3																				1.5
		SOx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																				0.0
	Fugitive PM10	PM10																													1.8
	Fugitive ROG	ROG								8.7																					8.7
Phase 3B (Addition and Renovation of Existing Academic Building South)	ConstructionEquipment	CO										112.3	62.2																		112.3
		NOx										81.8	46.0																		81.8
		PM10										1.4	0.8																		1.4
		ROG										13.4	7.4																		13.4
	ConstructionEquipment	CO												70.7	52.0	42.2	28.3	28.3	23.0	23.0	23.0	25.3	49.1								70.7
		NOx												51.9	37.7	29.9	19.9	19.9	15.7	15.7	15.7	17.9	36.0								51.9
		PM10												0.9	0.6	0.5	0.3	0.3	0.2	0.2	0.2	0.3	0.6								0.9
		ROG												8.5	6.2	5.0	3.4	3.4	2.7	2.7	2.7	3.0	5.9								8.5
	MobileConstruction	CO										4.9	3.6	5.4	3.6	3.7	3.2	3.3	4.3	3.0	2.7	4.1	4.5								5.4
		NOx										19.7	13.7	18.2	10.3	9.6	7.2	7.8	10.0	5.8	5.4	10.1	12.9								19.7
		PM10										0.5	0.3	0.5	0.3	0.2	0.2	0.2	0.3	0.2	0.1	0.3	0.3								0.5
		ROG										1.0	0.7	1.1	0.7	0.7	0.6	0.6	0.8	0.6	0.5	0.8	0.9								1.1
		SOx										0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								0.1
	MobileWorker	CO										7.5	10.3	10.6	15.5	12.1	12.1	12.4	11.8	11.4	11.1	11.4	13.8								15.5
		NOx										0.7	1.0	1.1	1.6	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.4								1.6
		PM10										0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2								0.2
		ROG										0.8	1.2	1.2	1.8	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.6								1.8
		SOx										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								0.0
	Fugitive PM10	PM10										2.2	2.0																		2.2
	Fugitive ROG	ROG													0.7							11.8									11.8
Phase 3C (New Outdoor Aquatic Center)	ConstructionEquipment	CO										118.4	118.4																		118.4
		NOx										84.3	84.3																		84.3
		PM10										1.3	1.3																		1.3
		ROG										14.1	14.1																		14.1
	ConstructionEquipment	CO												71.7	71.5	71.5	33.9	86.0	86.0	86.0	86.0	28.3									86.0
		NOx												51.8	54.1	54.1	25.6	63.0	63.0	63.0	63.0	19.9									63.0
		PM10												0.8	1.0	1.0	0.5	1.1	1.1	1.1	1.1	0.3									1.1
		ROG												8.5	8.6	8.6	4.1	10.3	10.3	10.3	10.3	3.4									10.3
	MobileConstruction	CO										4.5	5.8	7.1	4.9	3.7	3.3	3.7	2.9	3.3	2.9	1.7									7.1
		NOx										16.6	21.3	24.7	15.0	9.6	7.8	9.6	6.0	9.8	7.1	4.0									24.7
		PM10										0.4	0.5	0.6	0.4	0.2	0.2	0.2	0.1	0.3	0.2	0.1									0.6
		ROG										0.9	1.2	1.4	1.0	0.7	0.6	0.7	0.5	0.7	0.6	0.3									1.4
		SOx										0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									0.1
	MobileWorker	CO										5.5	12.9	11.2	12.1	10.1	10.3	11.8	12.6	11.6	11.1	7.9									12.9
		NOx										0.5	1.3	1.1	1.2	1.0	1.0	1.2	1.3	1.2	1.1	0.8									1.3
		PM10										0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1									0.2
		ROG										0.6	1.5	1.3	1.4	1.1	1.2	1.3	1.4	1.3	1.3	0.9									1.5
		SOx										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									0.0
	Fugitive PM10	PM10										2.4	2.4																		2.4
	Fugitive ROG	ROG													0.7	0.7			1.4	1.4	1.4	1.4									1.4

Buckley School -
Construction Emissions - (Scenario 2)
(lbs/day)

			Year	2009	2009	2009	2009	2009	2009	2009	2009	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2013	2013	2013
Project	**EmissionType**	**Pollutant**	**Month**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**5**	**6**	**7**
Phase 3C (Disney Pavilion Rennovation)	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	MobileConstruction	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	MobileWorker	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	Fugitive PM10	PM10																																		
	Fugitive ROG	ROG																																		
Phase 3D (Lower School Renovations) - Scenario 1	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	MobileConstruction	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	MobileWorker	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	Fugitive PM10	PM10																																		
	Fugitive ROG	ROG																																		
Grand Total		CO Sum		104.0	136.8	58.4	64.2	35.2	32.7	35.1	37.5	33.7	37.1	98.2	93.9	130.4	246.8	270.8	126.2	99.3	108.2	93.0	76.2	71.2	84.7	70.4	122.8	122.8	153.4	154.1	152.1	122.5	116.4	125.9	69.8	86.8
		NOx Sum		97.6	122.7	73.2	53.4	30.1	24.1	25.5	29.7	21.1	20.8	74.7	79.6	111.9	213.4	251.2	104.4	121.6	89.5	80.8	71.2	51.1	57.7	38.4	75.3	75.3	100.7	100.8	97.6	74.0	66.2	106.2	58.8	78.1
		PM10 Sum		11.6	11.8	11.2	10.8	0.6	0.5	0.6	0.7	0.5	0.5	1.5	1.6	6.9	38.3	39.0	2.1	2.6	1.8	1.6	1.4	1.1	1.3	0.9	1.6	1.6	2.0	2.0	2.0	1.6	1.4	2.2	3.0	1.6
		ROG Sum		12.9	16.8	7.7	7.9	4.4	4.0	4.3	4.7	4.1	4.4	27.7	27.4	16.0	30.2	36.0	18.1	13.0	13.3	11.5	9.6	8.7	10.2	8.4	35.3	35.3	41.7	41.8	41.4	14.5	13.7	15.4	8.6	10.8
		SOx Sum		0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Buckley School -
Construction Emissions - (Scenario 2)
(lbs/day)

Project	EmissionType	Pollutant	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12	Max (lbs/day)
Phase 3C (Disney Pavilion Rennovation)	ConstructionEquipment	CO																				75.2	110.7									110.7
		NOx																				55.8	82.4									82.4
		PM10																				1.0	1.4									1.4
		ROG																				9.0	13.3									13.3
	ConstructionEquipment	CO																						71.5	71.5	40.1	86.0	86.0	86.0	86.0	86.0	86.0
		NOx																						54.1	54.1	29.2	63.0	63.0	63.0	63.0	63.0	63.0
		PM10																						1.0	1.0	0.5	1.1	1.1	1.1	1.1	1.1	1.1
		ROG																						8.6	8.6	4.8	10.3	10.3	10.3	10.3	10.3	10.3
	MobileConstruction	CO																				3.0	4.3	5.4	3.9	3.2	3.1	3.5	2.7	3.5	2.7	5.4
		NOx																				9.4	14.1	16.7	10.2	7.5	7.0	8.6	5.4	8.6	5.4	16.7
		PM10																				0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.4
		ROG																				0.6	0.9	1.1	0.8	0.6	0.6	0.7	0.5	0.7	0.5	1.1
		SOx																				0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	MobileWorker	CO																				5.0	11.9	13.0	14.0	13.2	13.2	13.2	11.1	11.1	10.0	14.0
		NOx																				0.5	1.2	1.3	1.4	1.3	1.3	1.3	1.1	1.1	1.0	1.4
		PM10																				0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2
		ROG																				0.6	1.4	1.5	1.6	1.5	1.5	1.5	1.3	1.3	1.2	1.6
		SOx																				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Fugitive PM10	PM10																				0.2	0.2									0.2
	Fugitive ROG	ROG																						0.7	0.7				16.3	16.3	16.3	16.3
Phase 3D (Lower School Renovations) - Scenario 1	ConstructionEquipment	CO										46.7																				46.7
		NOx										34.3																				34.3
		PM10										0.6																				0.6
		ROG										5.6																				5.6
	ConstructionEquipment	CO											29.9	12.8	12.8	18.2																29.9
		NOx											22.3	8.7	8.7	12.4																22.3
		PM10											0.4	0.1	0.1	0.2																0.4
		ROG											3.6	1.5	1.5	2.1																3.6
	MobileConstruction	CO										1.9	2.1	2.1	1.4	1.8																2.1
		NOx										5.1	5.7	5.7	4.0	4.5																5.7
		PM10										0.1	0.1	0.1	0.1	0.1																0.1
		ROG										0.4	0.4	0.4	0.3	0.3																0.4
		SOx										0.0	0.0	0.0	0.0	0.0																0.0
	MobileWorker	CO										10.1	10.6	12.9	12.6	4.3																12.9
		NOx										1.0	1.1	1.3	1.3	0.4																1.3
		PM10										0.1	0.1	0.2	0.1	0.1																0.2
		ROG										1.1	1.2	1.5	1.4	0.5																1.5
		SOx										0.0	0.0	0.0	0.0	0.0																0.0
	Fugitive PM10	PM10										0.4																				0.4
	Fugitive ROG	ROG											9.7	9.7	9.7																	9.7
Grand Total		CO Sum	69.6	57.7	43.3	43.1	41.1	38.6	38.0	41.5	65.4	311.7	255.8	204.4	186.4	167.5	91.1	145.5	140.6	138.3	136.8	161.9	194.3	89.8	89.3	56.5	102.3	102.7	99.8	100.6	98.8	311.7
		NOx Sum	50.7	41.9	29.1	29.8	28.3	23.4	22.9	30.4	51.6	244.2	196.7	164.6	134.0	122.8	62.7	102.8	97.1	96.7	93.3	119.6	148.0	72.0	65.7	38.0	71.3	72.9	69.5	72.7	69.4	251.2
		PM10 Sum	1.0	0.8	0.6	0.6	0.6	0.5	0.5	0.7	1.1	9.5	8.3	3.5	2.9	2.5	1.4	2.1	2.0	2.0	1.9	2.7	3.3	1.6	1.4	0.9	1.4	1.5	1.3	1.4	1.3	39.0
		ROG Sum	8.5	7.1	5.3	5.3	5.1	4.7	4.6	13.9	8.1	37.9	40.9	35.0	33.8	21.2	11.2	17.7	18.5	18.3	18.0	33.0	23.8	11.8	11.6	6.9	12.4	12.5	28.3	28.5	28.2	41.8
		SOx Sum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Buckley School -
Construction Emissions - (Scenario 3)
(lbs/day)

			Year	2009	2009	2009	2009	2009	2009	2009	2009	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2013	2013	2013
Project	**EmissionType**	**Pollutant**	**Month**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**5**	**6**	**7**
Phase 1 (New Library and Technology Center)	ConstructionEquipment	CO		86.4																																
		NOx		62.9																																
		PM10		1.0																																
		ROG		10.3																																
	ConstructionEquipment	CO			119.8	36.2	42.9																													
		NOx			85.7	28.7	33.3																														
		PM10			1.3	0.5	0.6																														
		ROG			14.3	4.4	5.2																														
	ConstructionEquipment	CO						13.4	11.8	11.8	11.8	12.0	12.0																								
		NOx						9.1	9.0	9.0	9.0	8.8	8.8																								
		PM10						0.1	0.2	0.2	0.2	0.1	0.1																								
		ROG						1.6	1.4	1.4	1.4	1.4	1.4																								
	ConstructionEquipment	CO												71.5	71.5																					
		NOx												53.7	53.7																					
		PM10												1.0	1.0																					
		ROG												8.6	8.6																					
	MobileConstruction	CO		6.3	6.7	9.2	5.2	5.8	4.8	5.0	6.5	4.6	4.0	5.9	6.5																					
		NOx		33.5	35.9	43.2	18.4	19.3	13.4	14.6	18.7	10.6	9.8	18.8	24.3																					
		PM10		0.6	0.7	0.8	0.3	0.4	0.3	0.3	0.4	0.2	0.2	0.4	0.5																					
		ROG		1.3	1.4	1.8	1.0	1.1	0.8	0.9	1.2	0.8	0.7	1.1	1.2																					
		SOx		0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																					
	MobileWorker	CO		11.3	10.4	13.0	16.1	16.1	16.1	18.2	19.1	17.1	21.1	20.7	15.9																					
		NOx		1.2	1.1	1.4	1.7	1.7	1.7	1.9	2.0	1.8	2.2	2.2	1.7																					
		PM10		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1																					
		ROG		1.2	1.1	1.4	1.7	1.7	1.7	2.0	2.1	1.9	2.3	2.3	1.7																					
		SOx		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																					
	Fugitive PM10	PM10		9.9	9.7	9.7	9.7																													
	Fugitive ROG	ROG												15.8	15.8																					
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	ConstructionEquipment	CO														96.0																				
		NOx														66.1																				
		PM10														0.9																				
		ROG														11.3																				
	ConstructionEquipment	CO															204.8	223.8	82.0	49.2	67.2															
		NOx															147.2	160.2	60.9	37.9	48.3															
		PM10															2.4	2.6	1.1	0.7	0.8															
		ROG															24.3	26.6	9.8	6.0	8.0															
	ConstructionEquipment	CO																				54.2	36.3	36.3	42.5	30.2	76.2	76.2	101.3	101.3	101.3	76.2	76.2			
		NOx																				38.9	25.4	25.4	29.6	21.2	55.0	55.0	72.2	72.2	72.2	55.0	55.0			
		PM10																				0.6	0.4	0.4	0.4	0.3	0.9	0.9	1.1	1.1	1.1	0.9	0.9			
		ROG																				6.4	4.3	4.3	5.0	3.6	9.1	9.1	12.0	12.0	12.0	9.1	9.1			
	MobileConstruction	CO										10.5	13.4	17.6	10.3	17.1	9.9	10.1	11.2	7.4	6.6	5.0	5.8	5.8	8.7	8.7	7.4	4.8	2.4							
		NOx										43.3	63.2	88.0	40.0	80.2	37.9	39.0	42.8	22.9	24.4	13.6	16.1	16.1	24.1	24.1	21.0	14.7	7.4							
		PM10										0.8	1.2	1.7	0.8	1.6	0.7	0.8	0.8	0.5	0.5	0.3	0.3	0.3	0.5	0.5	0.4	0.3	0.2							
		ROG										2.1	2.7	3.6	2.0	3.5	1.9	1.9	2.1	1.4	1.3	0.9	1.1	1.1	1.6	1.6	1.4	0.9	0.5							
		SOx										0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	MobileWorker	CO										23.9	28.7	29.5	33.8	33.0	31.1	28.7	28.7	27.4	35.6	35.2	40.8	40.8	43.4	44.1	43.4	41.5	37.8							
		NOx										2.5	3.0	3.1	3.5	3.4	3.2	3.0	3.0	2.8	3.7	3.6	4.2	4.2	4.5	4.5	4.5	4.3	3.9							
		PM10										0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3							
		ROG										2.6	3.1	3.2	3.7	3.6	3.4	3.1	3.1	3.0	3.9	3.9	4.5	4.5	4.8	4.8	4.8	4.5	4.1							
		SOx										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	Fugitive PM10	PM10										4.9	34.5	34.5																						
	Fugitive ROG	ROG												2.6	2.6												20.7	20.7	23.3	23.3	23.3					

Buckley School -
Construction Emissions - (Scenario 3)
(lbs/day)

Project	EmissionType	Pollutant	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12	Max (lbs/day)
Phase 1 (New Library and Technology Center)	ConstructionEquipment	CO																														86.4
		NOx																														62.9
		PM10																														1.0
		ROG																														10.3
	ConstructionEquipment	CO																														119.8
		NOx																														85.7
		PM10																														1.3
		ROG																														14.3
	ConstructionEquipment	CO																														13.4
		NOx																														9.1
		PM10																														0.2
		ROG																														1.6
	ConstructionEquipment	CO																														71.5
		NOx																														53.7
		PM10																														1.0
		ROG																														8.6
	MobileConstruction	CO																														9.2
		NOx																														43.2
		PM10																														0.8
		ROG																														1.8
		SOx																														0.1
	MobileWorker	CO																														21.1
		NOx																														2.2
		PM10																														0.2
		ROG																														2.3
		SOx																														0.0
	Fugitive PM10	PM10																														9.9
	Fugitive ROG	ROG																														15.8
Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	ConstructionEquipment	CO																														96.0
		NOx																														66.1
		PM10																														0.9
		ROG																														11.3
	ConstructionEquipment	CO																														223.8
		NOx																														160.2
		PM10																														2.6
		ROG																														26.6
	ConstructionEquipment	CO																														101.3
		NOx																														72.2
		PM10																														1.1
		ROG																														12.0
	MobileConstruction	CO																														17.6
		NOx																														88.0
		PM10																														1.7
		ROG																														3.6
		SOx																														0.2
	MobileWorker	CO																														44.1
		NOx																														4.5
		PM10																														0.4
		ROG																														4.8
		SOx																														0.0
	Fugitive PM10	PM10																														34.5
	Fugitive ROG	ROG																														23.3

Buckley School -
Construction Emissions - (Scenario 3)
(lbs/day)

			Year	2009	2009	2009	2009	2009	2009	2009	2009	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2013	2013	2013
Project	**EmissionType**	**Pollutant**	**Month**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**5**	**6**	**7**
Phase 3 (New Academic Building West)	ConstructionEquipment	CO																																112.3	56.8	
		NOx																																81.8	41.8	
		PM10																																1.4	0.7	
		ROG																																13.4	6.8	
	ConstructionEquipment	CO																																		70.7
		NOx																																		51.9
		PM10																																		0.9
		ROG																																		8.5
	MobileConstruction	CO																																5.5	3.9	6.7
		NOx																																23.6	16.1	25.3
		PM10																																0.6	0.4	0.6
		ROG																																1.1	0.8	1.3
		SOx																																0.1	0.0	0.1
	MobileWorker	CO																																8.1	9.1	9.4
		NOx																																0.8	0.9	0.9
		PM10																																0.1	0.1	0.1
		ROG																																0.9	1.0	1.0
		SOx																																0.0	0.0	0.0
	Fugitive PM10	PM10																																0.2	1.8	
	Fugitive ROG	ROG																																		
Phase 3B (Addition and Renovation of Existing Academic Building South)	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	MobileConstruction	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	MobileWorker	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	Fugitive PM10	PM10																																		
	Fugitive ROG	ROG																																		
Phase 3C (New Outdoor Aquatic Center)	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	MobileConstruction	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	MobileWorker	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	Fugitive PM10	PM10																																		
	Fugitive ROG	ROG																																		

Buckley School -
Construction Emissions - (Scenario 3)
(lbs/day)

Project	EmissionType	Pollutant	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12	Max (lbs/day)
Phase 3 (New Academic Building West)	ConstructionEquipment	CO																													112.3
		NOx																													81.8
		PM10																													1.4
		ROG																													13.4
	ConstructionEquipment	CO	52.0	42.2	28.3	28.3	23.0	23.0	23.0	25.3	49.1																				70.7
		NOx	37.7	29.9	19.9	19.9	15.7	15.7	15.7	17.9	36.0																				51.9
		PM10	0.6	0.5	0.3	0.3	0.2	0.2	0.2	0.3	0.6																				0.9
		ROG	6.2	5.0	3.4	3.4	2.7	2.7	2.7	3.0	5.9																				8.5
	MobileConstruction	CO	3.9	4.0	3.4	3.5	4.6	3.3	2.9	4.3	4.8																				6.7
		NOx	11.6	10.8	8.1	8.8	11.2	6.5	6.0	11.3	14.4																				25.3
		PM10	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.3	0.4																				0.6
		ROG	0.7	0.8	0.6	0.7	0.9	0.6	0.5	0.8	0.9																				1.3
		SOx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																				0.1
	MobileWorker	CO	13.8	11.6	11.6	11.3	13.4	12.4	12.1	11.8	11.5																				13.8
		NOx	1.4	1.2	1.2	1.1	1.4	1.2	1.2	1.2	1.2																				1.4
		PM10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1																				0.1
		ROG	1.5	1.3	1.3	1.3	1.5	1.4	1.4	1.3	1.3																				1.5
		SOx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																				0.0
	Fugitive PM10	PM10																													1.8
	Fugitive ROG	ROG								8.7																					8.7
Phase 3B (Addition and Renovation of Existing Academic Building South)	ConstructionEquipment	CO										112.3	62.2																		112.3
		NOx										81.8	46.0																		81.8
		PM10										1.4	0.8																		1.4
		ROG										13.4	7.4																		13.4
	ConstructionEquipment	CO												70.7	52.0	42.2	28.3	28.3	23.0	23.0	23.0	25.3	49.1								70.7
		NOx												51.9	37.7	29.9	19.9	19.9	15.7	15.7	15.7	17.9	36.0								51.9
		PM10												0.9	0.6	0.5	0.3	0.3	0.2	0.2	0.2	0.3	0.6								0.9
		ROG												8.5	6.2	5.0	3.4	3.4	2.7	2.7	2.7	3.0	5.9								8.5
	MobileConstruction	CO										4.9	3.6	5.4	3.6	3.7	3.2	3.3	4.3	3.0	2.7	4.1	4.5								5.4
		NOx										19.7	13.7	18.2	10.3	9.6	7.2	7.8	10.0	5.8	5.4	10.1	12.9								19.7
		PM10										0.5	0.3	0.5	0.3	0.2	0.2	0.2	0.3	0.2	0.1	0.3	0.3								0.5
		ROG										1.0	0.7	1.1	0.7	0.7	0.6	0.6	0.8	0.6	0.5	0.8	0.9								1.1
		SOx										0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								0.1
	MobileWorker	CO										7.5	10.3	10.6	15.5	12.1	12.1	12.4	11.8	11.4	11.1	11.4	13.8								15.5
		NOx										0.7	1.0	1.1	1.6	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.4								1.6
		PM10										0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2								0.2
		ROG										0.8	1.2	1.2	1.8	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.6								1.8
		SOx										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								0.0
	Fugitive PM10	PM10										2.2	2.0																		2.2
	Fugitive ROG	ROG													0.7							11.8									11.8
Phase 3C (New Outdoor Aquatic Center)	ConstructionEquipment	CO										118.4	118.4																		118.4
		NOx										84.3	84.3																		84.3
		PM10										1.3	1.3																		1.3
		ROG										14.1	14.1																		14.1
	ConstructionEquipment	CO												71.7	71.5	71.5	33.9	86.0	86.0	86.0	86.0	28.3									86.0
		NOx												51.8	54.1	54.1	25.6	63.0	63.0	63.0	63.0	19.9									63.0
		PM10												0.8	1.0	1.0	0.5	1.1	1.1	1.1	1.1	0.3									1.1
		ROG												8.5	8.6	8.6	4.1	10.3	10.3	10.3	10.3	3.4									10.3
	MobileConstruction	CO										4.5	5.8	7.1	4.9	3.7	3.3	3.7	2.9	3.3	2.9	1.7									7.1
		NOx										16.6	21.3	24.7	15.0	9.6	7.8	9.6	6.0	9.8	7.1	4.0									24.7
		PM10										0.4	0.5	0.6	0.4	0.2	0.2	0.2	0.1	0.3	0.2	0.1									0.6
		ROG										0.9	1.2	1.4	1.0	0.7	0.6	0.7	0.5	0.7	0.6	0.3									1.4
		SOx										0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									0.1
	MobileWorker	CO										5.5	12.9	11.2	12.1	10.1	10.3	11.8	12.6	11.6	11.1	7.9									12.9
		NOx										0.5	1.3	1.1	1.2	1.0	1.0	1.2	1.3	1.2	1.1	0.8									1.3
		PM10										0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1									0.2
		ROG										0.6	1.5	1.3	1.4	1.1	1.2	1.3	1.4	1.3	1.3	0.9									1.5
		SOx										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									0.0
	Fugitive PM10	PM10										2.4	2.4																		2.4
	Fugitive ROG	ROG													0.7	0.7			1.4	1.4	1.4	1.4									1.4

Buckley School -
Construction Emissions - (Scenario 3)
(lbs/day)

			Year	2009	2009	2009	2009	2009	2009	2009	2009	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2013	2013	2013
Project	**EmissionType**	**Pollutant**	**Month**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**5**	**6**	**7**
Phase 3C (Disney Pavilion Rennovation)	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	MobileConstruction	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	MobileWorker	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	Fugitive PM10	PM10																																		
	Fugitive ROG	ROG																																		
Phase 3D (Lower School Renovations) - Scenario 1	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	ConstructionEquipment	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
	MobileConstruction	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	MobileWorker	CO																																		
		NOx																																		
		PM10																																		
		ROG																																		
		SOx																																		
	Fugitive PM10	PM10																																		
	Fugitive ROG	ROG																																		
Grand Total		CO Sum		104.0	136.8	58.4	64.2	35.2	32.7	35.1	37.5	33.7	37.1	98.2	93.9	130.4	246.8	270.8	126.2	99.3	108.2	93.0	76.2	71.2	84.7	70.4	122.8	122.8	153.4	154.1	152.1	122.5	116.4	125.9	69.8	86.8
		NOx Sum		97.6	122.7	73.2	53.4	30.1	24.1	25.5	29.7	21.1	20.8	74.7	79.6	111.9	213.4	251.2	104.4	121.6	89.5	80.8	71.2	51.1	57.7	38.4	75.3	75.3	100.7	100.8	97.6	74.0	66.2	106.2	58.8	78.1
		PM10 Sum		11.6	11.8	11.2	10.8	0.6	0.5	0.6	0.7	0.5	0.5	1.5	1.6	6.9	38.3	39.0	2.1	2.6	1.8	1.6	1.4	1.1	1.3	0.9	1.6	1.6	2.0	2.0	2.0	1.6	1.4	2.2	3.0	1.6
		ROG Sum		12.9	16.8	7.7	7.9	4.4	4.0	4.3	4.7	4.1	4.4	27.7	27.4	16.0	30.2	36.0	18.1	13.0	13.3	11.5	9.6	8.7	10.2	8.4	35.3	35.3	41.7	41.8	41.4	14.5	13.7	15.4	8.6	10.8
		SOx Sum		0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Buckley School -
Construction Emissions - (Scenario 3)
(lbs/day)

Project	EmissionType	Pollutant	2013 8	2013 9	2013 10	2013 11	2013 12	2014 1	2014 2	2014 3	2014 4	2014 5	2014 6	2014 7	2014 8	2014 9	2014 10	2014 11	2014 12	2015 1	2015 2	2015 3	2015 4	2015 5	2015 6	2015 7	2015 8	2015 9	2015 10	2015 11	2015 12	Max (lbs/day)
Phase 3C (Disney Pavilion Rennovation)	ConstructionEquipment	CO																				75.2	110.7									110.7
		NOx																				55.8	82.4									82.4
		PM10																				1.0	1.4									1.4
		ROG																				9.0	13.3									13.3
	ConstructionEquipment	CO																						71.5	71.5	40.1	86.0	86.0	86.0	86.0	86.0	86.0
		NOx																						54.1	54.1	29.2	63.0	63.0	63.0	63.0	63.0	63.0
		PM10																						1.0	1.0	0.5	1.1	1.1	1.1	1.1	1.1	1.1
		ROG																						8.6	8.6	4.8	10.3	10.3	10.3	10.3	10.3	10.3
	MobileConstruction	CO																				3.0	4.3	5.4	3.9	3.2	3.1	3.5	2.7	3.5	2.7	5.4
		NOx																				9.4	14.1	16.7	10.2	7.5	7.0	8.6	5.4	8.6	5.4	16.7
		PM10																				0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.4
		ROG																				0.6	0.9	1.1	0.8	0.6	0.6	0.7	0.5	0.7	0.5	1.1
		SOx																				0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	MobileWorker	CO																				5.0	11.9	13.0	14.0	13.2	13.2	13.2	11.1	11.1	10.0	14.0
		NOx																				0.5	1.2	1.3	1.4	1.3	1.3	1.3	1.1	1.1	1.0	1.4
		PM10																				0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2
		ROG																				0.6	1.4	1.5	1.6	1.5	1.5	1.5	1.3	1.3	1.2	1.6
		SOx																				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Fugitive PM10	PM10																				0.2	0.2									0.2
	Fugitive ROG	ROG																						0.7	0.7				16.3	16.3	16.3	16.3
Phase 3D (Lower School Renovations) - Scenario 1	ConstructionEquipment	CO																						46.7								46.7
		NOx																						34.3								34.3
		PM10																						0.6								0.6
		ROG																						5.6								5.6
	ConstructionEquipment	CO																							29.9	12.8	12.8	18.2				29.9
		NOx																							22.3	8.7	8.7	12.4				22.3
		PM10																							0.4	0.1	0.1	0.2				0.4
		ROG																							3.6	1.5	1.5	2.1				3.6
	MobileConstruction	CO																						1.8	1.9	1.9	1.3	1.7				1.9
		NOx																						4.6	5.1	5.1	3.6	4.0				5.1
		PM10																						0.1	0.1	0.1	0.1	0.1				0.1
		ROG																						0.4	0.4	0.4	0.3	0.3				0.4
		SOx																						0.0	0.0	0.0	0.0	0.0				0.0
	MobileWorker	CO																						9.3	9.8	11.9	11.6	4.0				11.9
		NOx																						0.9	1.0	1.2	1.2	0.4				1.2
		PM10																						0.1	0.1	0.2	0.1	0.1				0.2
		ROG																						1.1	1.1	1.4	1.3	0.5				1.4
		SOx																						0.0	0.0	0.0	0.0	0.0				0.0
	Fugitive PM10	PM10																						0.4								0.4
	Fugitive ROG	ROG																							9.7	9.7	9.7					9.7
Grand Total		CO Sum	69.6	57.7	43.3	43.1	41.1	38.6	38.0	41.5	65.4	253.0	213.2	176.6	159.6	143.2	91.1	145.5	140.6	138.3	136.8	161.9	194.3	147.6	130.9	83.1	128.1	126.5	99.8	100.6	98.8	270.8
		NOx Sum	50.7	41.9	29.1	29.8	28.3	23.4	22.9	30.4	51.6	203.7	167.7	148.8	119.9	105.5	62.7	102.8	97.1	96.7	93.3	119.6	148.0	111.8	94.0	53.1	84.8	89.8	69.5	72.7	69.4	251.2
		PM10 Sum	1.0	0.8	0.6	0.6	0.6	0.5	0.5	0.7	1.1	8.3	7.6	3.1	2.6	2.2	1.4	2.1	2.0	2.0	1.9	2.7	3.3	2.8	2.1	1.3	1.8	1.8	1.3	1.4	1.3	39.0
		ROG Sum	8.5	7.1	5.3	5.3	5.1	4.7	4.6	13.9	8.1	30.8	26.0	21.9	20.9	18.2	11.2	17.7	18.5	18.3	18.0	33.0	23.8	18.8	26.4	19.8	25.2	15.4	28.3	28.5	28.2	41.8
		SOx Sum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2

$PM_{2.5}$ Construction Emissions Calculation (Unmitigated)

PM2.5 emissions calculations are based on factors provided in the SCAQMD document titled: "Final -Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, October 2006".

PM2.5 is calculated by multiplying PM10 emissions by factors developed by the SCAQMD. For further information, please refer to: http://www.aqmd.gov/ceqa/handbook/PM2_5/finalmeth.doc

Phase	Emission Source	Maximum PM10 (lbs/day)	PM2.5 to PM10 Ratio/Percentage[a]	Maximum PM2.5 (lbs/day)
Buckley School - Phase 1 (New Library and Technology Center)	ConstructionEquipment	1.3	89%	1.2
	Fugitive PM10	9.9	21%	2.1
	MobileConstruction	0.8	99%	0.8
	MobileWorker	0.2	99%	0.2
Buckley School - Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)	ConstructionEquipment	2.6	89%	2.3
	Fugitive PM10	34.5	21%	7.2
	MobileConstruction	1.7	99%	1.7
	MobileWorker	0.4	99%	0.4
Buckley School - Phase 3 (New Academic Building West)	ConstructionEquipment	1.4	89%	1.2
	Fugitive PM10	1.8	21%	0.4
	MobileConstruction	0.6	99%	0.6
	MobileWorker	0.1	99%	0.1
Buckley School - Phase 3B (Addition and Renovation of Existing Academic Building South)	ConstructionEquipment	1.4	89%	1.2
	Fugitive PM10	2.2	21%	0.5
	MobileConstruction	0.5	99%	0.5
	MobileWorker	0.2	99%	0.2
Buckley School - Phase 3C (New Outdoor Aquatic Center)	ConstructionEquipment	1.3	89%	1.2
	Fugitive PM10	2.4	21%	0.5
	MobileConstruction	0.6	99%	0.6
	MobileWorker	0.2	99%	0.1
Buckley School - Phase 3C (Disney Pavilion Rennovation)	ConstructionEquipment	1.4	89%	1.3
	Fugitive PM10	0.2	21%	0.0
	MobileConstruction	0.4	99%	0.4
	MobileWorker	0.2	99%	0.2
Buckley School - Phase 3D (Lower School Renovations)	ConstructionEquipment	0.6	89%	0.5
	Fugitive PM10	0.4	21%	0.1
	MobileConstruction	0.2	99%	0.2
	MobileWorker	0.1	99%	0.1

[a]http://www.aqmd.gov/ceqa/handbook/PM2_5/finalmeth.doc and http://www.aqmd.gov/ceqa/handbook/PM2_5/pm2_5ratio.xls

Buckley School
ISCST3 Dispersion Modeling
Input Calculations

Buckley School - Phase 1 (New Library and Technology Center)

	ConstructionEquipment	Fugitive PM10
Emission Rate (lbs/day)	1.31842738	9.896681818
Grams per Pound	453.59237	453.59237
Emission Rate (g/day)	598.0286	4489.059361
Hours per Day	8	8
Seconds per Day	28800	28800
Emission Rate (g/s)	**0.020764882**	**0.155870117**

Buckley School - Phase 2 (New Middle and Upper School Main Academic Building and Parking Facility)

	ConstructionEquipment	Fugitive PM10
Emission Rate (lbs/day)	2.578256773	34.45895455
Grams per Pound	453.59237	453.59237
Emission Rate (g/day)	1169.4776	15630.31886
Hours per Day	8	8
Seconds per Day	28800	28800
Emission Rate (g/s)	**0.040606861**	**0.542719405**

Buckley School - Phase 3B (Addition and Renovation of Existing Academic Building South)

	ConstructionEquipment	Fugitive PM10
Emission Rate (lbs/day)	1.359155137	2.162318182
Grams per Pound	453.59237	453.59237
Emission Rate (g/day)	616.5024	980.8110288
Hours per Day	8	8
Seconds per Day	28800	28800
Emission Rate (g/s)	**0.021406333**	**0.034055938**

Buckley School - Phase 3C (New Outdoor Aquatic Center)

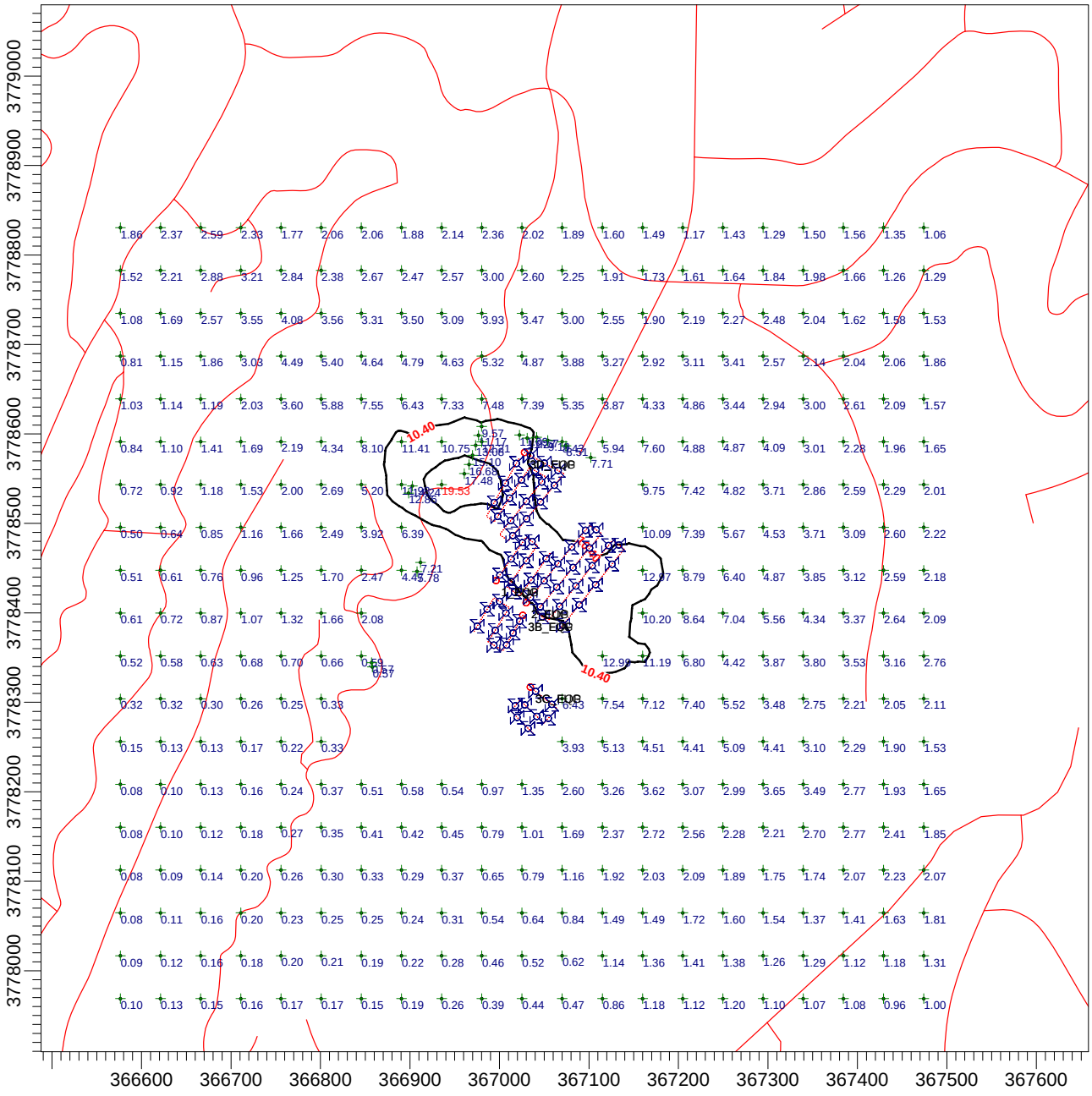
	ConstructionEquipment	Fugitive PM10
Emission Rate (lbs/day)	1.320436673	2.3875
Grams per Pound	453.59237	453.59237
Emission Rate (g/day)	598.94	1082.951783
Hours per Day	8	8
Seconds per Day	28800	28800
Emission Rate (g/s)	**0.020796528**	**0.037602492**

Buckley School - Phase 3D (Lower School Renovations)

	ConstructionEquipment	Fugitive PM10
Emission Rate (lbs/day)	0.58321175	0.381818182
Grams per Pound	453.59237	453.59237
Emission Rate (g/day)	264.5404	173.189814
Hours per Day	8	8
Seconds per Day	28800	28800
Emission Rate (g/s)	**0.009185431**	**0.006013535**

PROJECT TITLE:

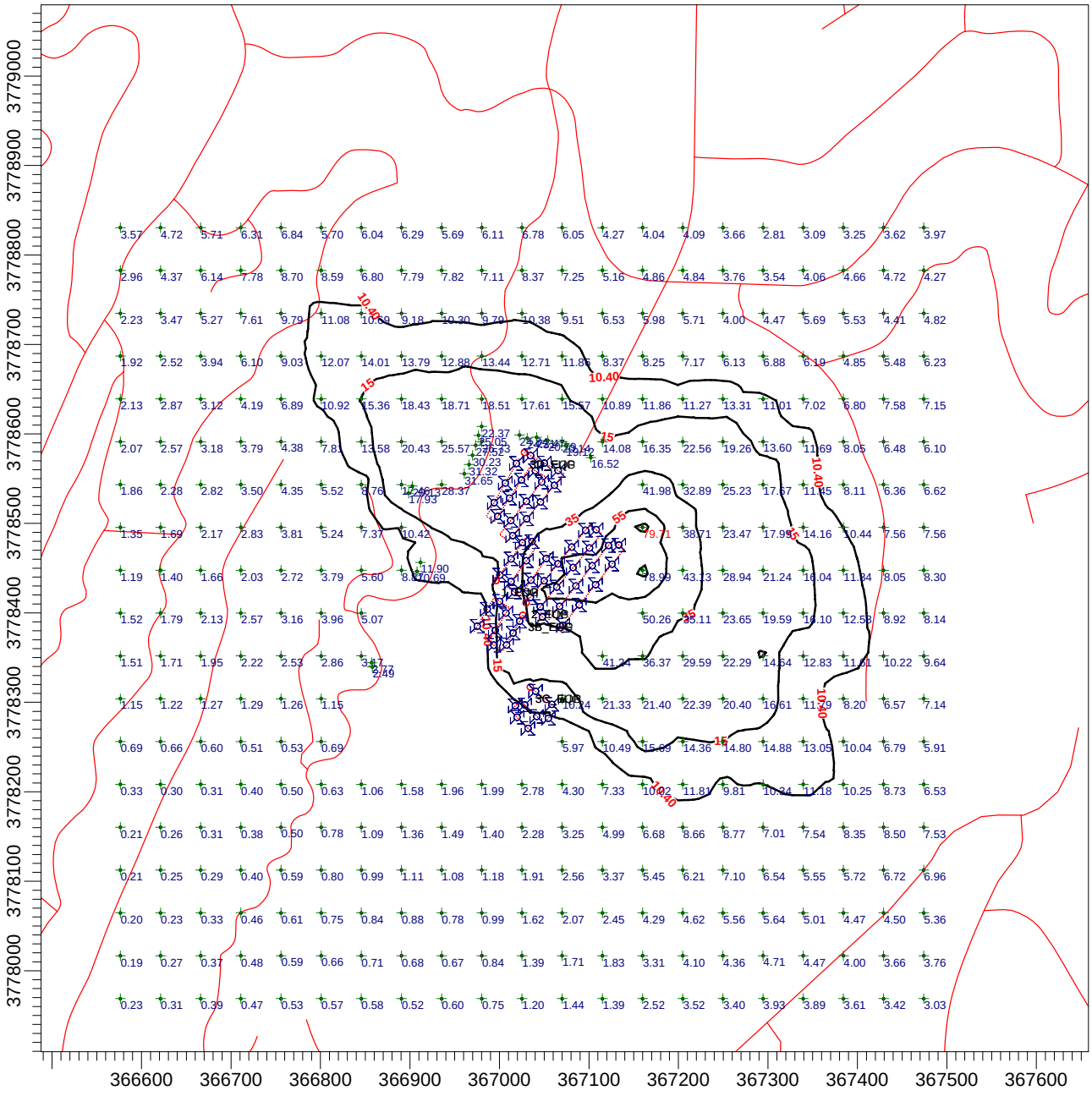
Buckley School
Construction PM10 Emissions



COMMENTS: Buckley School Phase 1 Construction PM10 Concentrations (Unmitigated)	SOURCES: **10**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **381**	MODELER:	
	OUTPUT TYPE: **CONC**	SCALE: 1:7,143 0 0.2 km	
	MAX: **19.53353 ug/m^3**	DATE: **5/15/2006**	PROJECT NO.:

PROJECT TITLE:

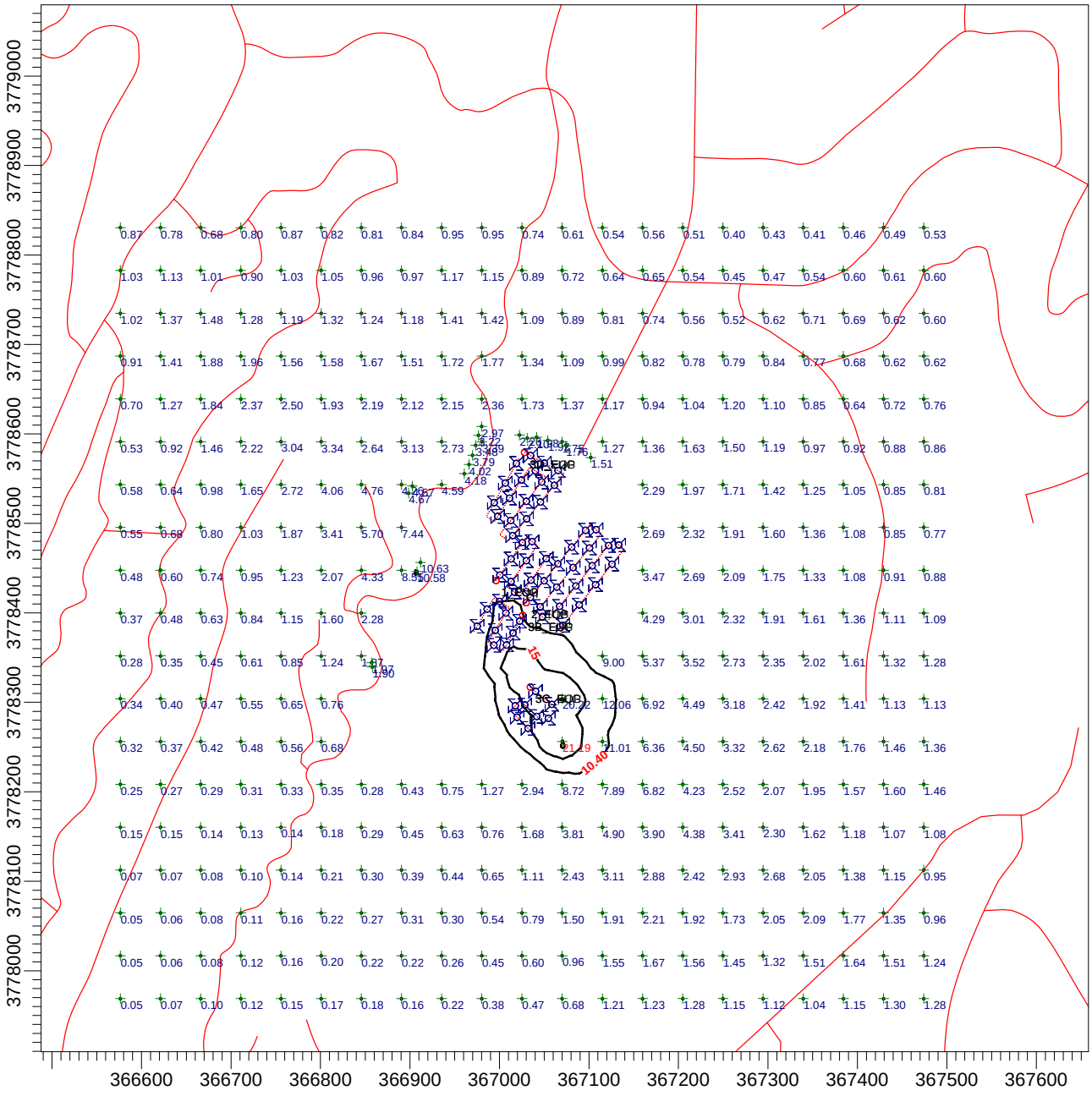
Buckley School
Construction PM10 Emissions



COMMENTS: Buckley School Phase 2 Construction PM10 Concentrations (Unmitigated)	SOURCES: **10**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **381**	MODELER:	
	OUTPUT TYPE: **CONC**	SCALE: 1:7,143 0 0.2 km	
	MAX: **79.7077 ug/m^3**	DATE: **5/15/2006**	PROJECT NO.:

PROJECT TITLE:

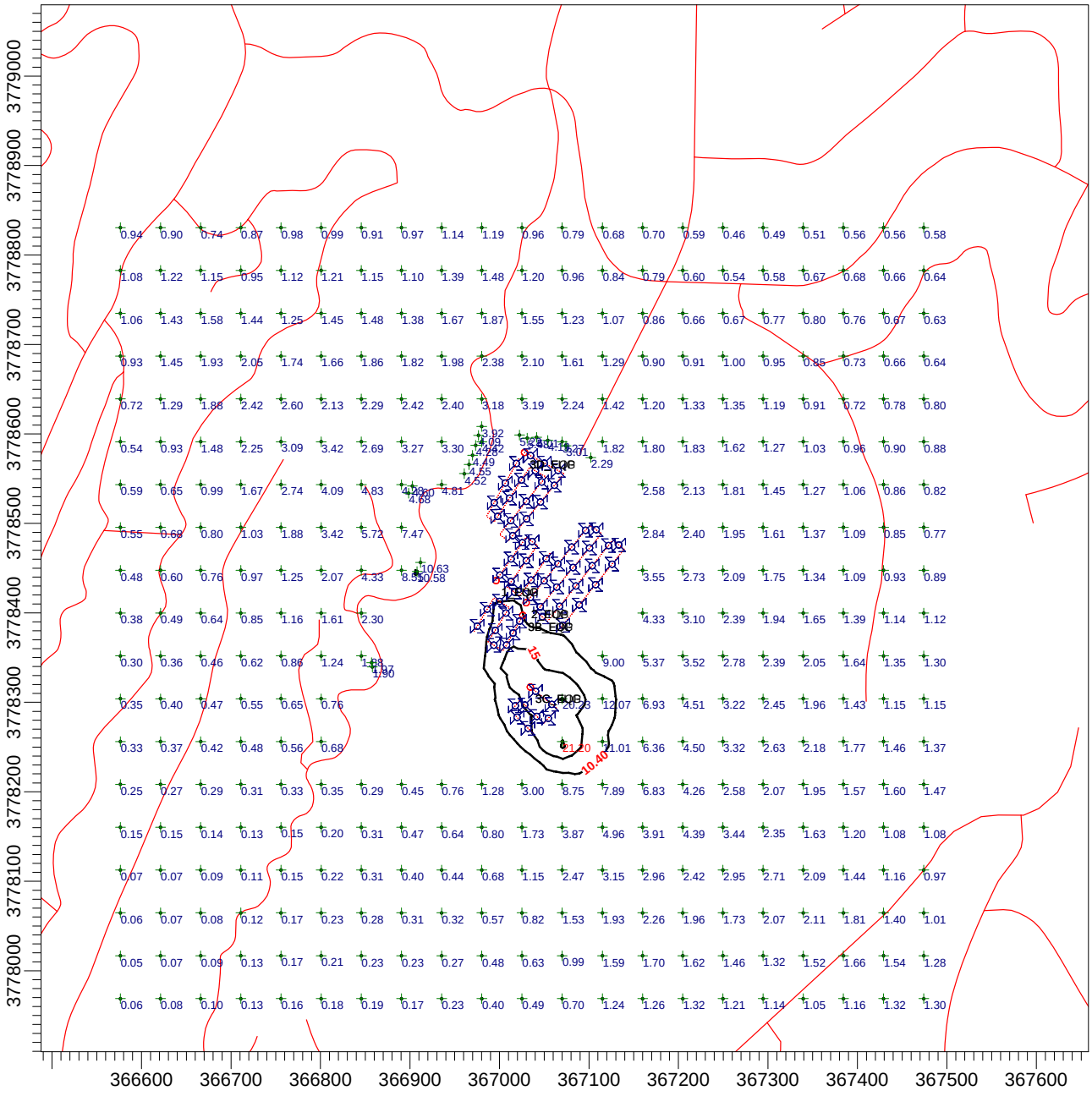
Buckley School
Construction PM10 Emissions



COMMENTS: Buckley School Phase 3B + 3C Construction PM10 Concentrations (Unmitigated)	SOURCES: **10**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **381**	MODELER:	
	OUTPUT TYPE: **CONC**	SCALE: 1:7,143 0 0.2 km	
	MAX: **21.19461 ug/m^3**	DATE: **5/15/2006**	PROJECT NO.:

PROJECT TITLE:

Buckley School
Construction PM10 Emissions



COMMENTS: Buckley School Phase 3B + 3C + 3D Construction PM10 Concentrations (Unmitigated)	SOURCES: **10**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **381**	MODELER:	
	OUTPUT TYPE: **CONC**	SCALE: 1:7,143 0 0.2 km	
	MAX: **21.19667 ug/m^3**	DATE: **5/15/2006**	PROJECT NO.:

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** ISCST3 Input Produced by:
** ISC-AERMOD View Ver. 5.1
** Lakes Environmental Software Inc.
** Date: 5/15/2006
** File: C:\ISC Models\Revised ISC\PM10.INP
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**
**
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** ISCST3 Control Pathway
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**
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CO STARTING
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   MODELOPT CONC  URBAN NOCALM
   AVERTIME 24
   POLLUTID PM
   TERRHGTS ELEV
   FLAGPOLE 2.00
   RUNORNOT RUN
CO FINISHED
**
**********
** ISCST3 Source Pathway
**********
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** Line Source represented by Separated Volume Sources
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** LINE Source ID = 3C_EQP
** DESCRSRC Phase 3C Equipment Emissions
** Length of Side = 15.00
** Emission Rate = 0.020796528
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 6
** 367034.51, 3778316.93, 276.30, 0.00, 0.0
** 367064.41, 3778292.89, 286.30, 0.00, 10.86
** 367049.71, 3778276.58, 278.70, 0.00, 10.27
** 367022.87, 3778302.26, 272.30, 0.00, 8.65
** 367012.86, 3778290.13, 266.00, 0.00, 7.27
** 367037.24, 3778265.57, 266.60, 0.00, 8.08
** ----------
   LOCATION L0001343 VOLUME 367040.349 3778312.306 278.26
   LOCATION L0001344 VOLUME 367058.557 3778297.694 284.34
   LOCATION L0001345 VOLUME 367054.705 3778282.102 281.28
   LOCATION L0001346 VOLUME 367041.709 3778284.183 276.79
   LOCATION L0001347 VOLUME 367028.287 3778297.058 273.59
   LOCATION L0001348 VOLUME 367017.676 3778296.012 269.02
   LOCATION L0001349 VOLUME 367019.800 3778283.219 266.17
   LOCATION L0001350 VOLUME 367031.987 3778270.844 266.47
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = 3B_EQP
** DESCRSRC Phase 3B Equipment Emissions
** Length of Side = 15.00
** Emission Rate = 0.021406333
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 6
** 367026.24, 3778397.21, 247.60, 0.00, 0.0
** 367004.31, 3778357.57, 252.30, 0.00, 7.07
** 366987.28, 3778367.62, 242.10, 0.00, 9.19
** 367011.11, 3778405.89, 242.10, 0.00, 10.53
** 366993.84, 3778416.72, 239.00, 0.00, 9.47
** 366971.39, 3778378.44, 241.30, 0.00, 10.32
** ----------
   LOCATION L0001351 VOLUME 367022.626 3778390.684 248.38
   LOCATION L0001352 VOLUME 367015.281 3778377.375 249.95
   LOCATION L0001353 VOLUME 367007.936 3778364.066 251.52
   LOCATION L0001354 VOLUME 366993.749 3778363.703 245.97
   LOCATION L0001355 VOLUME 366995.254 3778380.374 242.10
   LOCATION L0001356 VOLUME 367007.176 3778399.624 242.10
   LOCATION L0001357 VOLUME 367000.212 3778412.788 240.14
   LOCATION L0001358 VOLUME 366986.408 3778404.092 239.76
   LOCATION L0001359 VOLUME 366975.174 3778384.967 240.91
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = 3B_FUG
** DESCRSRC Phase 3B Fugitive Emissions
** Length of Side = 15.00
** Emission Rate = 0.034055938
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 6
** 367026.24, 3778397.21, 247.60, 0.00, 0.0
** 367004.31, 3778357.57, 252.30, 0.00, 7.07
** 366987.28, 3778367.62, 242.10, 0.00, 9.19
** 367011.11, 3778405.89, 242.10, 0.00, 10.53
** 366993.84, 3778416.72, 239.00, 0.00, 9.47
** 366971.39, 3778378.44, 241.30, 0.00, 10.32
** ----------
   LOCATION L0001360 VOLUME 367022.626 3778390.684 248.38
   LOCATION L0001361 VOLUME 367015.281 3778377.375 249.95
   LOCATION L0001362 VOLUME 367007.936 3778364.066 251.52
   LOCATION L0001363 VOLUME 366993.749 3778363.703 245.97
   LOCATION L0001364 VOLUME 366995.254 3778380.374 242.10
   LOCATION L0001365 VOLUME 367007.176 3778399.624 242.10
   LOCATION L0001366 VOLUME 367000.212 3778412.788 240.14
   LOCATION L0001367 VOLUME 366986.408 3778404.092 239.76
   LOCATION L0001368 VOLUME 366975.174 3778384.967 240.91
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = 3C_FUG
** DESCRSRC Phase 3C Fugitive Emissions
** Length of Side = 15.00
** Emission Rate = 0.037602492
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 6
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** 367022.87, 3778302.26, 272.30, 0.00, 8.65
** 367012.86, 3778290.13, 266.00, 0.00, 7.27
** 367037.24, 3778265.57, 266.60, 0.00, 8.08
** ----------
   LOCATION L0001369 VOLUME 367040.349 3778312.306 278.26
   LOCATION L0001370 VOLUME 367058.557 3778297.694 284.34
   LOCATION L0001371 VOLUME 367054.705 3778282.102 281.28
   LOCATION L0001372 VOLUME 367041.709 3778284.183 276.79
   LOCATION L0001373 VOLUME 367028.287 3778297.058 273.59
   LOCATION L0001374 VOLUME 367017.676 3778296.012 269.02
   LOCATION L0001375 VOLUME 367019.800 3778283.219 266.17
   LOCATION L0001376 VOLUME 367031.987 3778270.844 266.47
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = 1_EQP
** DESCRSRC Phase 1 Equipment Emissions
** Length of Side = 15.00
** Emission Rate = 0.020764882
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 6
** 366996.28, 3778436.02, 239.30, 0.00, 0.0
** 367029.78, 3778484.42, 236.10, 0.00, 10.22
** 367042.61, 3778475.32, 234.60, 0.00, 7.36
** 367008.69, 3778428.99, 237.80, 0.00, 13.34
** 367022.75, 3778418.65, 240.30, 0.00, 8.09
** 367056.67, 3778466.63, 236.60, 0.00, 13.67
** ----------
   LOCATION L0001377 VOLUME 367000.544 3778442.171 238.89
   LOCATION L0001378 VOLUME 367013.031 3778460.250 237.70
   LOCATION L0001379 VOLUME 367025.519 3778478.329 236.51
   LOCATION L0001380 VOLUME 367036.539 3778479.633 235.31
   LOCATION L0001381 VOLUME 367030.093 3778458.172 235.78
   LOCATION L0001382 VOLUME 367013.124 3778435.047 237.38
   LOCATION L0001383 VOLUME 367016.689 3778423.168 239.22
   LOCATION L0001384 VOLUME 367035.376 3778436.624 238.92
   LOCATION L0001385 VOLUME 367052.329 3778460.624 237.07
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = 2_EQP
** DESCRSRC Phase 2 Equipment Emissions
** Length of Side = 15.00
** Emission Rate = 0.040606861
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 8
** 367029.78, 3778411.20, 242.60, 0.00, 0.0
** 367100.94, 3778498.07, 248.30, 0.00, 11.30
** 367114.17, 3778488.56, 256.50, 0.00, 7.57
** 367040.95, 3778401.27, 250.80, 0.00, 13.24
** 367053.78, 3778390.52, 259.80, 0.00, 7.79
** 367126.58, 3778481.11, 263.60, 0.00, 13.51
** 367139.41, 3778471.19, 275.60, 0.00, 7.49
** 367066.19, 3778380.18, 271.00, 0.00, 13.58
** ----------
   LOCATION L0001386 VOLUME 367034.538 3778417.049 242.98
   LOCATION L0001387 VOLUME 367049.949 3778435.837 244.22
   LOCATION L0001388 VOLUME 367065.359 3778454.625 245.45
   LOCATION L0001389 VOLUME 367080.770 3778473.413 246.68
   LOCATION L0001390 VOLUME 367096.181 3778492.201 247.92
   LOCATION L0001391 VOLUME 367108.066 3778492.877 252.72
   LOCATION L0001392 VOLUME 367100.673 3778472.433 255.45
   LOCATION L0001393 VOLUME 367082.368 3778450.620 254.03
   LOCATION L0001394 VOLUME 367064.063 3778428.808 252.60
   LOCATION L0001395 VOLUME 367045.759 3778406.995 251.18
   LOCATION L0001396 VOLUME 367048.030 3778395.314 255.77
   LOCATION L0001397 VOLUME 367067.283 3778407.281 260.50
   LOCATION L0001398 VOLUME 367085.486 3778429.906 261.45
   LOCATION L0001399 VOLUME 367103.689 3778452.532 262.40
   LOCATION L0001400 VOLUME 367121.892 3778475.156 263.35
   LOCATION L0001401 VOLUME 367133.438 3778475.792 270.01
   LOCATION L0001402 VOLUME 367125.803 3778454.343 274.75
   LOCATION L0001403 VOLUME 367107.498 3778431.593 273.60
   LOCATION L0001404 VOLUME 367089.194 3778408.843 272.45
   LOCATION L0001405 VOLUME 367070.889 3778386.093 271.30
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = 1_FUG
** DESCRSRC Phase 1 Fugitive Emissions
** Length of Side = 15.00
** Emission Rate = 0.155870117
** Vertical Dimension = 5.00
** SZINIT = 2.33
** Nodes = 6
** 366996.28, 3778436.02, 239.30, 0.00, 0.0
** 367029.78, 3778484.42, 236.10, 0.00, 10.22
** 367042.61, 3778475.32, 234.60, 0.00, 7.36
** 367008.69, 3778428.99, 237.80, 0.00, 13.34
** 367022.75, 3778418.65, 240.30, 0.00, 8.09
** 367056.67, 3778466.63, 236.60, 0.00, 13.67
** ----------
   LOCATION L0001406 VOLUME 367000.544 3778442.171 238.89
   LOCATION L0001407 VOLUME 367013.031 3778460.250 237.70
   LOCATION L0001408 VOLUME 367025.519 3778478.329 236.51
   LOCATION L0001409 VOLUME 367036.539 3778479.633 235.31
   LOCATION L0001410 VOLUME 367030.093 3778458.172 235.78
   LOCATION L0001411 VOLUME 367013.124 3778435.047 237.38
   LOCATION L0001412 VOLUME 367016.689 3778423.168 239.22
   LOCATION L0001413 VOLUME 367035.376 3778436.624 238.92
   LOCATION L0001414 VOLUME 367052.329 3778460.624 237.07
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = 2_FUG
** DESCRSRC Phase 2 Fugitive Emissions
** Length of Side = 15.00
** Emission Rate = 0.542719405
** Vertical Dimension = 5.00
** SZINIT = 2.33
** Nodes = 8
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** 367029.78, 3778411.20, 242.60, 0.00, 0.0
** 367100.94, 3778498.07, 248.30, 0.00, 11.30
** 367114.17, 3778488.56, 256.50, 0.00, 7.57
** 367040.95, 3778401.27, 250.80, 0.00, 13.24
** 367053.78, 3778390.52, 259.80, 0.00, 7.79
** 367126.58, 3778481.11, 263.60, 0.00, 13.51
** 367139.41, 3778471.19, 275.60, 0.00, 7.49
** 367066.19, 3778380.18, 271.00, 0.00, 13.58
** ----------
   LOCATION L0001415 VOLUME 367034.538 3778417.049 242.98
   LOCATION L0001416 VOLUME 367049.949 3778435.837 244.22
   LOCATION L0001417 VOLUME 367065.359 3778454.625 245.45
   LOCATION L0001418 VOLUME 367080.770 3778473.413 246.68
   LOCATION L0001419 VOLUME 367096.181 3778492.201 247.92
   LOCATION L0001420 VOLUME 367108.066 3778492.877 252.72
   LOCATION L0001421 VOLUME 367100.673 3778472.433 255.45
   LOCATION L0001422 VOLUME 367082.368 3778450.620 254.03
   LOCATION L0001423 VOLUME 367064.063 3778428.808 252.60
   LOCATION L0001424 VOLUME 367045.759 3778406.995 251.18
   LOCATION L0001425 VOLUME 367048.030 3778395.314 255.77
   LOCATION L0001426 VOLUME 367067.283 3778407.281 260.50
   LOCATION L0001427 VOLUME 367085.486 3778429.906 261.45
   LOCATION L0001428 VOLUME 367103.689 3778452.532 262.40
   LOCATION L0001429 VOLUME 367121.892 3778475.156 263.35
   LOCATION L0001430 VOLUME 367133.438 3778475.792 270.01
   LOCATION L0001431 VOLUME 367125.803 3778454.343 274.75
   LOCATION L0001432 VOLUME 367107.498 3778431.593 273.60
   LOCATION L0001433 VOLUME 367089.194 3778408.843 272.45
   LOCATION L0001434 VOLUME 367070.889 3778386.093 271.30
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = 3D_EQP
** DESCRSRC Phase 3D Equpment Exhaust
** Length of Side = 15.00
** Emission Rate = 0.006013535
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 9
** 367028.19, 3778579.19, 241.00, 0.00, 0.0
** 367072.26, 3778555.40, 233.00, 0.00, 8.15
** 367010.00, 3778480.55, 238.30, 0.00, 11.33
** 367051.98, 3778551.90, 235.60, 0.00, 12.82
** 367033.79, 3778562.40, 239.00, 0.00, 9.77
** 366993.91, 3778501.53, 242.10, 0.00, 11.30
** 367022.59, 3778573.59, 241.00, 0.00, 11.70
** ----------
   LOCATION L0001435 VOLUME 367034.790 3778575.691 239.80
   LOCATION L0001436 VOLUME 367050.219 3778567.375 237.00
   LOCATION L0001437 VOLUME 367065.648 3778559.059 234.20
   LOCATION L0001438 VOLUME 367061.478 3778542.521 233.92
   LOCATION L0001439 VOLUME 367045.915 3778523.771 235.24
   LOCATION L0001440 VOLUME 367030.353 3778505.021 236.57
   LOCATION L0001441 VOLUME 367014.790 3778486.271 237.89
   LOCATION L0001442 VOLUME 367012.775 3778503.150 239.16
   LOCATION L0001443 VOLUME 367030.025 3778524.650 237.59
   LOCATION L0001444 VOLUME 367047.275 3778546.150 236.03
   LOCATION L0001445 VOLUME 367040.277 3778558.750 237.79
   LOCATION L0001446 VOLUME 367024.593 3778548.444 239.71
   LOCATION L0001447 VOLUME 367011.302 3778528.111 240.75
   LOCATION L0001448 VOLUME 366998.010 3778507.778 241.78
   LOCATION L0001449 VOLUME 366994.203 3778523.133 243.30
   LOCATION L0001450 VOLUME 367006.557 3778545.050 242.30
   LOCATION L0001451 VOLUME 367018.911 3778566.967 241.30
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = 3D_FUG
** DESCRSRC Phase 3D Fugitive Emissions
** Length of Side = 15.00
** Emission Rate = 0.006013535
** Vertical Dimension = 5.00
** SZINIT = 2.33
** Nodes = 9
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** 367072.26, 3778555.40, 233.00, 0.00, 8.15
** 367010.00, 3778480.55, 238.30, 0.00, 11.33
** 367051.98, 3778551.90, 235.60, 0.00, 12.82
** 367033.79, 3778562.40, 239.00, 0.00, 9.77
** 366993.91, 3778501.53, 242.10, 0.00, 11.30
** 367022.59, 3778573.59, 241.00, 0.00, 11.70
** ----------
   LOCATION L0001326 VOLUME 367034.790 3778575.691 239.10
   LOCATION L0001327 VOLUME 367050.219 3778567.375 237.30
   LOCATION L0001328 VOLUME 367065.648 3778559.059 234.30
   LOCATION L0001329 VOLUME 367061.478 3778542.521 234.30
   LOCATION L0001330 VOLUME 367045.915 3778523.771 236.80
   LOCATION L0001331 VOLUME 367030.353 3778505.021 237.10
   LOCATION L0001332 VOLUME 367014.790 3778486.271 237.30
   LOCATION L0001333 VOLUME 367012.775 3778503.150 238.80
   LOCATION L0001334 VOLUME 367030.025 3778524.650 238.60
   LOCATION L0001335 VOLUME 367047.275 3778546.150 237.10
   LOCATION L0001336 VOLUME 367040.277 3778558.750 238.80
   LOCATION L0001337 VOLUME 367024.593 3778548.444 239.80
   LOCATION L0001338 VOLUME 367011.302 3778528.111 242.30
   LOCATION L0001339 VOLUME 366998.010 3778507.778 242.10
   LOCATION L0001340 VOLUME 366994.203 3778523.133 244.60
   LOCATION L0001341 VOLUME 367006.557 3778545.050 243.50
   LOCATION L0001342 VOLUME 367018.911 3778566.967 242.60
** End of Line Source
** Source Parameters **
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   SRCPARAM L0001344 0.002599566 0.00 10.86 1.16
   SRCPARAM L0001345 0.002599566 0.00 10.27 1.16
   SRCPARAM L0001346 0.002599566 0.00 8.65 1.16
   SRCPARAM L0001347 0.002599566 0.00 8.65 1.16
   SRCPARAM L0001348 0.002599566 0.00 7.27 1.16
   SRCPARAM L0001349 0.002599566 0.00 8.08 1.16
   SRCPARAM L0001350 0.002599566 0.00 8.08 1.16
   SRCPARAM L0001351 0.00237848144444444 0.00 7.07 1.16
   SRCPARAM L0001352 0.00237848144444444 0.00 7.07 1.16
   SRCPARAM L0001353 0.00237848144444444 0.00 7.07 1.16
   SRCPARAM L0001354 0.00237848144444444 0.00 9.19 1.16
   SRCPARAM L0001355 0.00237848144444444 0.00 10.53 1.16
   SRCPARAM L0001356 0.00237848144444444 0.00 10.53 1.16
   SRCPARAM L0001357 0.00237848144444444 0.00 9.47 1.16
   SRCPARAM L0001358 0.00237848144444444 0.00 10.32 1.16
   SRCPARAM L0001359 0.00237848144444444 0.00 10.32 1.16
   SRCPARAM L0001360 0.00378399311111111 0.00 7.07 1.16
   SRCPARAM L0001361 0.00378399311111111 0.00 7.07 1.16
   SRCPARAM L0001362 0.00378399311111111 0.00 7.07 1.16
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   SRCPARAM L0001364 0.00378399311111111 0.00 10.53 1.16
   SRCPARAM L0001365 0.00378399311111111 0.00 10.53 1.16
   SRCPARAM L0001366 0.00378399311111111 0.00 9.47 1.16
   SRCPARAM L0001367 0.00378399311111111 0.00 10.32 1.16
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   SRCPARAM L0001369 0.0047003115 0.00 10.86 1.16
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   SRCPARAM L0001371 0.0047003115 0.00 10.27 1.16
   SRCPARAM L0001372 0.0047003115 0.00 8.65 1.16
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   SRCPARAM L0001375 0.0047003115 0.00 8.08 1.16
   SRCPARAM L0001376 0.0047003115 0.00 8.08 1.16
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   SRCPARAM L0001379 0.00230720911111111 0.00 10.22 1.16
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   SRCPARAM L0001382 0.00230720911111111 0.00 13.34 1.16
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   SRCPARAM L0001384 0.00230720911111111 0.00 13.67 1.16
   SRCPARAM L0001385 0.00230720911111111 0.00 13.67 1.16
   SRCPARAM L0001386 0.00203034305 0.00 11.30 1.16
   SRCPARAM L0001387 0.00203034305 0.00 11.30 1.16
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   SRCPARAM L0001407 0.01731890188888889 0.00 10.22 2.33
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   SRCPARAM L0001414 0.01731890188888889 0.00 13.67 2.33
   SRCPARAM L0001415 0.02713597025 0.00 11.30 2.33
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   SRCPARAM L0001422 0.02713597025 0.00 13.24 2.33
   SRCPARAM L0001423 0.02713597025 0.00 13.24 2.33
   SRCPARAM L0001424 0.02713597025 0.00 13.24 2.33
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   SRCPARAM L0001429 0.02713597025 0.00 13.51 2.33
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   SRCPARAM L0001431 0.02713597025 0.00 13.58 2.33
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   SRCPARAM L0001436 0.000353737352941177 0.00 8.15 1.16
   SRCPARAM L0001437 0.000353737352941177 0.00 8.15 1.16
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   SRCPARAM L0001447 0.000353737352941177 0.00 11.30 1.16
   SRCPARAM L0001448 0.000353737352941177 0.00 11.30 1.16
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   SRCPARAM L0001327 0.000353737352941177 0.00 8.15 2.33
   SRCPARAM L0001328 0.000353737352941177 0.00 8.15 2.33
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   SRCPARAM L0001341 0.000353737352941177 0.00 11.70 2.33
   SRCPARAM L0001342 0.000353737352941177 0.00 11.70 2.33
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   EMISFACT L0001351 HROFDY 1.00 1.00 1.00 0.00 0.00 0.00
   EMISFACT L0001351 HROFDY 0.00 0.00 0.00 0.00 0.00 0.00
   EMISFACT L0001352 HROFDY 0.00 0.00 0.00 0.00 0.00 0.00
   EMISFACT L0001352 HROFDY 0.00 1.00 1.00 1.00 1.00 1.00
   EMISFACT L0001352 HROFDY 1.00 1.00 1.00 0.00 0.00 0.00
   EMISFACT L0001352 HROFDY 0.00 0.00 0.00 0.00 0.00 0.00
   EMISFACT L0001353 HROFDY 0.00 0.00 0.00 0.00 0.00 0.00
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   EMISFACT L0001354 HROFDY 0.00 0.00 0.00 0.00 0.00 0.00
   EMISFACT L0001354 HROFDY 0.00 1.00 1.00 1.00 1.00 1.00
   EMISFACT L0001354 HROFDY 1.00 1.00 1.00 0.00 0.00 0.00
   EMISFACT L0001354 HROFDY 0.00 0.00 0.00 0.00 0.00 0.00
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EMISFACT L0001355 HROFDY 0.00 0.00 0.00 0.00 0.00 0.00
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   DISCCART   367022.39  3778598.80  242.10   2.00
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   DISCCART   366845.69  3777968.86  282.70   2.00
   DISCCART   366890.58  3777968.86  290.70   2.00
   DISCCART   366935.47  3777968.86  305.00   2.00
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   DISCCART   367384.37  3777968.86  309.20   2.00
   DISCCART   367429.26  3777968.86  327.70   2.00
   DISCCART   367474.15  3777968.86  355.10   2.00
   DISCCART   366576.35  3778016.73  356.20   2.00
   DISCCART   366621.24  3778016.73  330.80   2.00
   DISCCART   366666.13  3778016.73  305.60   2.00
   DISCCART   366711.02  3778016.73  280.20   2.00
   DISCCART   366755.91  3778016.73  273.60   2.00
   DISCCART   366800.80  3778016.73  277.80   2.00
   DISCCART   366845.69  3778016.73  276.60   2.00
   DISCCART   366890.58  3778016.73  284.80   2.00
   DISCCART   366935.47  3778016.73  289.70   2.00
   DISCCART   366980.36  3778016.73  303.60   2.00
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   DISCCART   367115.03  3778016.73  350.00   2.00
   DISCCART   367159.92  3778016.73  369.00   2.00
   DISCCART   367204.81  3778016.73  348.00   2.00
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   DISCCART   367474.15  3778016.73  340.00   2.00
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DISCCART   366800.80  3778830.52 267.20   2.00
DISCCART   366845.69  3778830.52 273.50   2.00
DISCCART   366890.58  3778830.52 260.60   2.00
DISCCART   366935.47  3778830.52 248.00   2.00
DISCCART   366980.36  3778830.52 265.30   2.00
DISCCART   367025.25  3778830.52 243.80   2.00
DISCCART   367070.14  3778830.52 234.60   2.00
DISCCART   367115.03  3778830.52 223.80   2.00
DISCCART   367159.92  3778830.52 223.60   2.00
DISCCART   367204.81  3778830.52 224.00   2.00
DISCCART   367249.70  3778830.52 226.80   2.00
DISCCART   367294.59  3778830.52 229.10   2.00
DISCCART   367339.48  3778830.52 231.10   2.00
DISCCART   367384.37  3778830.52 228.10   2.00
DISCCART   367429.26  3778830.52 226.30   2.00
DISCCART   367474.15  3778830.52 235.00   2.00
RE FINISHED
**
****************************************
** ISCST3 Meteorology Pathway
****************************************
**
**
ME STARTING
   INPUTFIL V:\AQNOIS~1\Metdata\AQMD\BURBANK.ASC
   ANEMHGHT 10 METERS
   SURFDATA 51100 1981
   UAIRDATA 99999 1981
ME FINISHED
**
****************************************
** ISCST3 Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 Phase1 1ST PM10.IS\24H1G001.PLT
   PLOTFILE 24 Phase2 1ST PM10.IS\24H1G002.PLT
   PLOTFILE 24 Phase3 1ST PM10.IS\24H1G003.PLT
   PLOTFILE 24 Phase3BC 1ST PM10.IS\24H1G004.PLT
OU FINISHED


 *** Message Summary For ISC3 Model Setup ***

 --------- Summary of Total Messages --------

A Total of          0 Fatal Error Message(s)
A Total of          1 Warning Message(s)
A Total of          0 Informational Message(s)


  ******** FATAL ERROR MESSAGES ********
           ***  NONE  ***


  ********   WARNING MESSAGES   ********
RE W282  1395 CHK_EL:RecElev < SrcBase; See non-DFAULT HE>ZI option in  MCB#9

***********************************
*** SETUP Finishes Successfully ***
***********************************


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                      ***                                          ***       17:42:49
**MODELOPTs:                                                                  PAGE   1
CONC                URBAN ELEV  FLGPOL                    NOCALM

                          ***    MODEL SETUP OPTIONS SUMMARY      ***
------------------------------------------------------------------------


**Intermediate Terrain Processing is Selected

**Model Is Setup For Calculation of Average CONCentration Values.


  --  SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION.  DDPLETE =  F
**Model Uses NO WET DEPLETION.  WDPLETE =  F
**NO WET SCAVENGING Data Provided.
**NO GAS DRY DEPOSITION Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations
```

**Model Uses URBAN Dispersion.

**Model Uses User-Specified Options:
1. Final Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-induced Dispersion.
4. Not Use Calms Processing Routine.
5. Not Use Missing Data Processing Routine.
6. Default Wind Profile Exponents.
7. Default Vertical Potential Temperature Gradients.

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 126 Source(s); 4 Source Group(s); and 381 Receptor(s)

**The Model Assumes A Pollutant Type of: PM

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**Misc. Inputs: Anem. Hgt. (m) = 10.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 1.4 MB of RAM.

**Input Runstream File: PM10.INP
**Output Print File: PM10.OUT
*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06
*** *** 17:42:49
**MODELOPTs: PAGE 2
CONC URBAN ELEV FLGPOL NOCALM

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	INIT. SCALAR VARY BY
L0001343	0	0.25996E-02	367040.3	3778312.3	278.3	0.00	10.86	1.16	HROFDY
L0001344	0	0.25996E-02	367058.6	3778297.8	284.3	0.00	10.86	1.16	HROFDY
L0001345	0	0.25996E-02	367054.7	3778282.0	281.3	0.00	10.27	1.16	HROFDY
L0001346	0	0.25996E-02	367041.7	3778284.3	276.8	0.00	8.65	1.16	HROFDY
L0001347	0	0.25996E-02	367028.3	3778297.0	273.6	0.00	8.65	1.16	HROFDY
L0001348	0	0.25996E-02	367017.7	3778296.0	269.0	0.00	7.27	1.16	HROFDY
L0001349	0	0.25996E-02	367019.8	3778283.3	266.2	0.00	8.08	1.16	HROFDY
L0001350	0	0.25996E-02	367032.0	3778270.8	266.5	0.00	8.08	1.16	HROFDY
L0001351	0	0.23785E-02	367022.6	3778390.8	248.4	0.00	7.07	1.16	HROFDY
L0001352	0	0.23785E-02	367015.3	3778377.5	249.9	0.00	7.07	1.16	HROFDY
L0001353	0	0.23785E-02	367007.9	3778364.0	251.5	0.00	7.07	1.16	HROFDY
L0001354	0	0.23785E-02	366993.8	3778363.8	246.0	0.00	9.19	1.16	HROFDY
L0001355	0	0.23785E-02	366995.3	3778380.3	242.1	0.00	10.53	1.16	HROFDY
L0001356	0	0.23785E-02	367007.2	3778399.5	242.1	0.00	10.53	1.16	HROFDY
L0001357	0	0.23785E-02	367000.2	3778412.8	240.1	0.00	9.47	1.16	HROFDY
L0001358	0	0.23785E-02	366986.4	3778404.0	239.8	0.00	10.32	1.16	HROFDY
L0001359	0	0.23785E-02	366975.2	3778385.0	240.9	0.00	10.32	1.16	HROFDY
L0001360	0	0.37840E-02	367022.6	3778390.8	248.4	0.00	7.07	1.16	HROFDY
L0001361	0	0.37840E-02	367015.3	3778377.5	249.9	0.00	7.07	1.16	HROFDY
L0001362	0	0.37840E-02	367007.9	3778364.0	251.5	0.00	7.07	1.16	HROFDY
L0001363	0	0.37840E-02	366993.8	3778363.8	246.0	0.00	9.19	1.16	HROFDY
L0001364	0	0.37840E-02	366995.3	3778380.3	242.1	0.00	10.53	1.16	HROFDY
L0001365	0	0.37840E-02	367007.2	3778399.5	242.1	0.00	10.53	1.16	HROFDY
L0001366	0	0.37840E-02	367000.2	3778412.8	240.1	0.00	9.47	1.16	HROFDY
L0001367	0	0.37840E-02	366986.4	3778404.0	239.8	0.00	10.32	1.16	HROFDY
L0001368	0	0.37840E-02	366975.2	3778385.0	240.9	0.00	10.32	1.16	HROFDY
L0001369	0	0.47003E-02	367040.3	3778312.3	278.3	0.00	10.86	1.16	HROFDY
L0001370	0	0.47003E-02	367058.6	3778297.8	284.3	0.00	10.86	1.16	HROFDY
L0001371	0	0.47003E-02	367054.7	3778282.0	281.3	0.00	10.27	1.16	HROFDY
L0001372	0	0.47003E-02	367041.7	3778284.3	276.8	0.00	8.65	1.16	HROFDY
L0001373	0	0.47003E-02	367028.3	3778297.0	273.6	0.00	8.65	1.16	HROFDY
L0001374	0	0.47003E-02	367017.7	3778296.0	269.0	0.00	7.27	1.16	HROFDY
L0001375	0	0.47003E-02	367019.8	3778283.3	266.2	0.00	8.08	1.16	HROFDY
L0001376	0	0.47003E-02	367032.0	3778270.8	266.5	0.00	8.08	1.16	HROFDY
L0001377	0	0.23072E-02	367000.5	3778442.3	238.9	0.00	10.22	1.16	HROFDY
L0001378	0	0.23072E-02	367013.0	3778460.3	237.7	0.00	10.22	1.16	HROFDY
L0001379	0	0.23072E-02	367025.5	3778478.3	236.5	0.00	10.22	1.16	HROFDY
L0001380	0	0.23072E-02	367036.5	3778479.8	235.3	0.00	7.36	1.16	HROFDY
L0001381	0	0.23072E-02	367030.1	3778458.3	235.8	0.00	13.34	1.16	HROFDY
L0001382	0	0.23072E-02	367013.1	3778435.0	237.4	0.00	13.34	1.16	HROFDY

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*** *** 17:42:49
**MODELOPTs: PAGE 3
CONC URBAN ELEV FLGPOL NOCALM

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	INIT. SCALAR VARY BY
L0001383	0	0.23072E-02	367016.7	3778423.3	239.2	0.00	8.09	1.16	HROFDY
L0001384	0	0.23072E-02	367035.4	3778436.5	238.9	0.00	13.67	1.16	HROFDY
L0001385	0	0.23072E-02	367052.3	3778460.5	237.1	0.00	13.67	1.16	HROFDY
L0001386	0	0.20303E-02	367034.5	3778417.0	243.0	0.00	11.30	1.16	HROFDY
L0001387	0	0.20303E-02	367049.9	3778435.8	244.2	0.00	11.30	1.16	HROFDY
L0001388	0	0.20303E-02	367065.3	3778454.8	245.4	0.00	11.30	1.16	HROFDY
L0001389	0	0.20303E-02	367080.8	3778473.5	246.7	0.00	11.30	1.16	HROFDY
L0001390	0	0.20303E-02	367096.2	3778492.3	247.9	0.00	11.30	1.16	HROFDY
L0001391	0	0.20303E-02	367108.1	3778493.0	252.7	0.00	7.57	1.16	HROFDY
L0001392	0	0.20303E-02	367100.7	3778472.5	255.4	0.00	13.24	1.16	HROFDY
L0001393	0	0.20303E-02	367082.4	3778450.5	254.0	0.00	13.24	1.16	HROFDY
L0001394	0	0.20303E-02	367064.1	3778428.8	252.6	0.00	13.24	1.16	HROFDY
L0001395	0	0.20303E-02	367045.8	3778407.0	251.2	0.00	13.24	1.16	HROFDY
L0001396	0	0.20303E-02	367048.0	3778395.3	255.8	0.00	7.79	1.16	HROFDY
L0001397	0	0.20303E-02	367067.3	3778407.3	260.5	0.00	13.51	1.16	HROFDY
L0001398	0	0.20303E-02	367085.5	3778430.0	261.5	0.00	13.51	1.16	HROFDY
L0001399	0	0.20303E-02	367103.7	3778452.5	262.4	0.00	13.51	1.16	HROFDY
L0001400	0	0.20303E-02	367121.9	3778475.3	263.4	0.00	13.51	1.16	HROFDY
L0001401	0	0.20303E-02	367133.4	3778475.8	270.0	0.00	7.49	1.16	HROFDY
L0001402	0	0.20303E-02	367125.8	3778454.3	274.8	0.00	13.58	1.16	HROFDY
L0001403	0	0.20303E-02	367107.5	3778431.5	273.6	0.00	13.58	1.16	HROFDY
L0001404	0	0.20303E-02	367089.2	3778408.8	272.5	0.00	13.58	1.16	HROFDY
L0001405	0	0.20303E-02	367070.9	3778386.0	271.3	0.00	13.58	1.16	HROFDY
L0001406	0	0.17319E-01	367000.5	3778442.3	238.9	0.00	10.22	2.33	HROFDY
L0001407	0	0.17319E-01	367013.0	3778460.3	237.7	0.00	10.22	2.33	HROFDY
L0001408	0	0.17319E-01	367025.5	3778478.3	236.5	0.00	10.22	2.33	HROFDY
L0001409	0	0.17319E-01	367036.5	3778479.8	235.3	0.00	7.36	2.33	HROFDY
L0001410	0	0.17319E-01	367030.1	3778458.3	235.8	0.00	13.34	2.33	HROFDY
L0001411	0	0.17319E-01	367013.1	3778435.0	237.4	0.00	13.34	2.33	HROFDY
L0001412	0	0.17319E-01	367016.7	3778423.3	239.2	0.00	8.09	2.33	HROFDY
L0001413	0	0.17319E-01	367035.4	3778436.5	238.9	0.00	13.67	2.33	HROFDY
L0001414	0	0.17319E-01	367052.3	3778460.5	237.1	0.00	13.67	2.33	HROFDY
L0001415	0	0.27136E-01	367034.5	3778417.0	243.0	0.00	11.30	2.33	HROFDY
L0001416	0	0.27136E-01	367049.9	3778435.8	244.2	0.00	11.30	2.33	HROFDY
L0001417	0	0.27136E-01	367065.3	3778454.8	245.4	0.00	11.30	2.33	HROFDY
L0001418	0	0.27136E-01	367080.8	3778473.5	246.7	0.00	11.30	2.33	HROFDY
L0001419	0	0.27136E-01	367096.2	3778492.3	247.9	0.00	11.30	2.33	HROFDY
L0001420	0	0.27136E-01	367108.1	3778493.0	252.7	0.00	7.57	2.33	HROFDY
L0001421	0	0.27136E-01	367100.7	3778472.5	255.4	0.00	13.24	2.33	HROFDY
L0001422	0	0.27136E-01	367082.4	3778450.5	254.0	0.00	13.24	2.33	HROFDY

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**MODELOPTs: PAGE 4
CONC URBAN ELEV FLGPOL NOCALM

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	INIT. SCALAR VARY BY
L0001423	0	0.27136E-01	367064.1	3778428.8	252.6	0.00	13.24	2.33	HROFDY
L0001424	0	0.27136E-01	367045.8	3778407.0	251.2	0.00	13.24	2.33	HROFDY
L0001425	0	0.27136E-01	367048.0	3778395.3	255.8	0.00	7.79	2.33	HROFDY
L0001426	0	0.27136E-01	367067.3	3778407.3	260.5	0.00	13.51	2.33	HROFDY
L0001427	0	0.27136E-01	367085.5	3778430.0	261.5	0.00	13.51	2.33	HROFDY
L0001428	0	0.27136E-01	367103.7	3778452.5	262.4	0.00	13.51	2.33	HROFDY
L0001429	0	0.27136E-01	367121.9	3778475.3	263.4	0.00	13.51	2.33	HROFDY
L0001430	0	0.27136E-01	367133.4	3778475.8	270.0	0.00	7.49	2.33	HROFDY
L0001431	0	0.27136E-01	367125.8	3778454.3	274.8	0.00	13.58	2.33	HROFDY
L0001432	0	0.27136E-01	367107.5	3778431.5	273.6	0.00	13.58	2.33	HROFDY
L0001433	0	0.27136E-01	367089.2	3778408.8	272.5	0.00	13.58	2.33	HROFDY
L0001434	0	0.27136E-01	367070.9	3778386.0	271.3	0.00	13.58	2.33	HROFDY
L0001435	0	0.35374E-03	367034.8	3778575.8	239.8	0.00	8.15	1.16	HROFDY
L0001436	0	0.35374E-03	367050.2	3778567.5	237.0	0.00	8.15	1.16	HROFDY
L0001437	0	0.35374E-03	367065.7	3778559.0	234.2	0.00	8.15	1.16	HROFDY
L0001438	0	0.35374E-03	367061.5	3778542.5	233.9	0.00	11.33	1.16	HROFDY
L0001439	0	0.35374E-03	367045.9	3778523.8	235.2	0.00	11.33	1.16	HROFDY
L0001440	0	0.35374E-03	367030.3	3778505.0	236.6	0.00	11.33	1.16	HROFDY
L0001441	0	0.35374E-03	367014.8	3778486.3	237.9	0.00	11.33	1.16	HROFDY
L0001442	0	0.35374E-03	367012.8	3778503.3	239.2	0.00	12.82	1.16	HROFDY
L0001443	0	0.35374E-03	367030.0	3778524.8	237.6	0.00	12.82	1.16	HROFDY
L0001444	0	0.35374E-03	367047.3	3778546.3	236.0	0.00	12.82	1.16	HROFDY
L0001445	0	0.35374E-03	367040.3	3778558.8	237.8	0.00	9.77	1.16	HROFDY
L0001446	0	0.35374E-03	367024.6	3778548.5	239.7	0.00	11.30	1.16	HROFDY
L0001447	0	0.35374E-03	367011.3	3778528.0	240.8	0.00	11.30	1.16	HROFDY
L0001448	0	0.35374E-03	366998.0	3778507.8	241.8	0.00	11.30	1.16	HROFDY
L0001449	0	0.35374E-03	366994.2	3778523.3	243.3	0.00	11.70	1.16	HROFDY
L0001450	0	0.35374E-03	367006.6	3778545.0	242.3	0.00	11.70	1.16	HROFDY
L0001451	0	0.35374E-03	367018.9	3778567.0	241.3	0.00	11.70	1.16	HROFDY
L0001326	0	0.35374E-03	367034.8	3778575.8	239.1	0.00	8.15	2.33	HROFDY
L0001327	0	0.35374E-03	367050.2	3778567.5	237.3	0.00	8.15	2.33	HROFDY
L0001328	0	0.35374E-03	367065.7	3778559.0	234.3	0.00	8.15	2.33	HROFDY
L0001329	0	0.35374E-03	367061.5	3778542.5	234.3	0.00	11.33	2.33	HROFDY
L0001330	0	0.35374E-03	367045.9	3778523.8	236.8	0.00	11.33	2.33	HROFDY
L0001331	0	0.35374E-03	367030.3	3778505.0	237.1	0.00	11.33	2.33	HROFDY
L0001332	0	0.35374E-03	367014.8	3778486.3	237.3	0.00	11.33	2.33	HROFDY
L0001333	0	0.35374E-03	367012.8	3778503.3	238.8	0.00	12.82	2.33	HROFDY
L0001334	0	0.35374E-03	367030.0	3778524.8	238.6	0.00	12.82	2.33	HROFDY
L0001335	0	0.35374E-03	367047.3	3778546.3	237.1	0.00	12.82	2.33	HROFDY
L0001336	0	0.35374E-03	367040.3	3778558.8	238.8	0.00	9.77	2.33	HROFDY

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*** *** 17:42:49
**MODELOPTs: PAGE 5
CONC URBAN ELEV FLGPOL NOCALM

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	INIT. SCALAR VARY BY
L0001337	0	0.35374E-03	367024.6	3778548.5	239.8	0.00	11.30	2.33	HROFDY
L0001338	0	0.35374E-03	367011.3	3778528.0	242.3	0.00	11.30	2.33	HROFDY
L0001339	0	0.35374E-03	366998.0	3778507.8	242.1	0.00	11.30	2.33	HROFDY
L0001340	0	0.35374E-03	366994.2	3778523.3	244.6	0.00	11.70	2.33	HROFDY
L0001341	0	0.35374E-03	367006.6	3778545.0	243.5	0.00	11.70	2.33	HROFDY
L0001342	0	0.35374E-03	367018.9	3778567.0	242.6	0.00	11.70	2.33	HROFDY

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**MODELOPTs: PAGE 6
CONC URBAN ELEV FLGPOL NOCALM

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

PHASE1 L0001377, L0001378, L0001379, L0001380, L0001381, L0001382, L0001383, L0001384, L0001385, L0001406, L0001407, L0001408,
L0001409, L0001410, L0001411, L0001412, L0001413, L0001414,

PHASE2 L0001386, L0001387, L0001388, L0001389, L0001390, L0001391, L0001392, L0001393, L0001394, L0001395, L0001396, L0001397,

L0001398, L0001399, L0001400, L0001401, L0001402, L0001403, L0001404, L0001405, L0001415, L0001416, L0001417, L0001418,

L0001419, L0001420, L0001421, L0001422, L0001423, L0001424, L0001425, L0001426, L0001427, L0001428, L0001429, L0001430,

L0001431, L0001432, L0001433, L0001434,

PHASE3 L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349, L0001350, L0001351, L0001352, L0001353, L0001354,

L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361, L0001362, L0001363, L0001364, L0001365, L0001366,

L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, L0001373, L0001374, L0001375, L0001376, L0001435, L0001436,

L0001437, L0001438, L0001439, L0001440, L0001441, L0001442, L0001443, L0001444, L0001445, L0001446, L0001447, L0001448,

L0001449, L0001450, L0001451, L0001326, L0001327, L0001328, L0001329, L0001330, L0001331, L0001332, L0001333, L0001334,

L0001335, L0001336, L0001337, L0001338, L0001339, L0001340, L0001341, L0001342,

PHASE3BC L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349, L0001350, L0001351, L0001352, L0001353, L0001354,

L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361, L0001362, L0001363, L0001364, L0001365, L0001366,

L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, L0001373, L0001374, L0001375, L0001376,
*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06
*** *** 17:42:49
**MODELOPTS: PAGE 7
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001343 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001344 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001345 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001346 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001347 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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*** *** 17:42:49
**MODELOPTS: PAGE 8
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0001348 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001349 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001350 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001351 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001352 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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**MODELOPTS: PAGE 9
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0001353 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001354 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001355 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001356 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001357 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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**MODELOPTS: PAGE 10
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0001358 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001359 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001360 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001361 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0001362 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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**MODELOPTS: PAGE 11
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0001363 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01

13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001364 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001365 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001366 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001367 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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**MODELOPTs: PAGE 12
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0001368 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001369 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001370 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001371 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001372 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0001373 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001374 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001375 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001376 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001377 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06
*** *** 17:42:49
**MODELOPTs: PAGE 14
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001378 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001379 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001380 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001381 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001382 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06
*** *** 17:42:49
**MODELOPTs: PAGE 15
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001383 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001384 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001385 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001386 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001387 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06
*** *** 17:42:49
**MODELOPTs: PAGE 16
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001388 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001389 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001390 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001391 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001392 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06
*** *** 17:42:49
**MODELOPTs: PAGE 17
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001393 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001394 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001395 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001396 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001397 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06
*** *** 17:42:49
**MODELOPTs: PAGE 18
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001398 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001399 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001400 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001401 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001402 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06
*** *** 17:42:49
**MODELOPTs: PAGE 19
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001403 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001404 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001405 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001406 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001407 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06
*** *** 17:42:49
**MODELOPTs: PAGE 20
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001408 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001409 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001410 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001411 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001412 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06
*** *** 17:42:49
**MODELOPTs: PAGE 21
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001413 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001414 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00

19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001415 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001416 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001417 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001418 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001419 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001420 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001421 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001422 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001423 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001424 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001425 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001426 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001427 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001428 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001429 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001430 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001431 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001432 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001433 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001434 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001435 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001436 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001437 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001438 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001439 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001440 ; SOURCE TYPE = VOLUME :

1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001441 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001442 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 17:42:49
**MODELOPTs: PAGE 27
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001443 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001444 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001445 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001446 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001447 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 17:42:49
**MODELOPTs: PAGE 28
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001448 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001449 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001450 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001451 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001326 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 17:42:49
**MODELOPTs: PAGE 29
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001327 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001328 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001329 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001330 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001331 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 17:42:49
**MODELOPTs: PAGE 30
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001332 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001333 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001334 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001335 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001336 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 17:42:49
**MODELOPTs: PAGE 31
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001337 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001338 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001339 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001340 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0001341 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 17:42:49
**MODELOPTs: PAGE 32
CONC URBAN ELEV FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0001342 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06
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**MODELOPTs: PAGE 33
CONC URBAN ELEV FLGPOL NOCALM

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(367102.0, 3778573.5, 231.5, 2.0); (367074.3, 3778586.8, 232.8, 2.0);
(367054.1, 3778592.8, 235.8, 2.0); (367022.4, 3778598.8, 242.1, 2.0);
(367031.0, 3778595.3, 239.6, 2.0); (367041.5, 3778596.3, 237.6, 2.0);
(366980.1, 3778608.3, 258.2, 2.0); (366976.5, 3778598.3, 260.2, 2.0);
(366973.5, 3778587.3, 260.2, 2.0); (366970.0, 3778576.0, 264.2, 2.0);
(366898.4, 3778533.8, 262.1, 2.0); (366907.9, 3778446.3, 268.5, 2.0);
(366857.3, 3778344.3, 268.8, 2.0); (366966.0, 3778565.8, 262.2, 2.0);
(366960.8, 3778555.5, 259.7, 2.0); (366902.6, 3778541.8, 263.7, 2.0);
(366911.8, 3778456.3, 263.7, 2.0); (366858.0, 3778339.5, 268.8, 2.0);
(366576.3, 3777968.8, 352.2, 2.0); (366621.3, 3777968.8, 325.2, 2.0);
(366666.1, 3777968.8, 294.6, 2.0); (366711.0, 3777968.8, 286.7, 2.0);
(366755.9, 3777968.8, 287.1, 2.0); (366800.8, 3777968.8, 294.0, 2.0);
(366845.7, 3777968.8, 282.7, 2.0); (366890.6, 3777968.8, 290.7, 2.0);
(366935.5, 3777968.8, 305.0, 2.0); (366980.4, 3777968.8, 302.6, 2.0);
(367025.3, 3777968.8, 330.5, 2.0); (367070.1, 3777968.8, 348.0, 2.0);
(367115.0, 3777968.8, 362.1, 2.0); (367159.9, 3777968.8, 369.0, 2.0);
(367204.8, 3777968.8, 349.0, 2.0); (367249.7, 3777968.8, 324.7, 2.0);
(367294.6, 3777968.8, 295.2, 2.0); (367339.5, 3777968.8, 279.1, 2.0);
(367384.4, 3777968.8, 309.2, 2.0); (367429.3, 3777968.8, 327.7, 2.0);
(367474.2, 3777968.8, 355.1, 2.0); (366576.3, 3778016.8, 356.2, 2.0);
(366621.3, 3778016.8, 330.8, 2.0); (366666.1, 3778016.8, 305.6, 2.0);
(366711.0, 3778016.8, 280.2, 2.0); (366755.9, 3778016.8, 273.6, 2.0);
(366800.8, 3778016.8, 277.8, 2.0); (366845.7, 3778016.8, 276.6, 2.0);
(366890.6, 3778016.8, 284.8, 2.0); (366935.5, 3778016.8, 289.7, 2.0);
(366980.4, 3778016.8, 303.6, 2.0); (367025.3, 3778016.8, 320.2, 2.0);
(367070.1, 3778016.8, 329.5, 2.0); (367115.0, 3778016.8, 350.0, 2.0);
(367159.9, 3778016.8, 369.0, 2.0); (367204.8, 3778016.8, 348.0, 2.0);
(367249.7, 3778016.8, 333.2, 2.0); (367294.6, 3778016.8, 309.0, 2.0);
(367339.5, 3778016.8, 278.3, 2.0); (367384.4, 3778016.8, 292.7, 2.0);
(367429.3, 3778016.8, 317.1, 2.0); (367474.2, 3778016.8, 340.0, 2.0);
(366576.3, 3778064.5, 358.2, 2.0); (366621.3, 3778064.5, 336.7, 2.0);
(366666.1, 3778064.5, 309.3, 2.0); (366711.0, 3778064.5, 284.0, 2.0);
(366755.9, 3778064.5, 273.7, 2.0); (366800.8, 3778064.5, 267.3, 2.0);
(366845.7, 3778064.5, 275.2, 2.0); (366890.6, 3778064.5, 274.3, 2.0);
(366935.5, 3778064.5, 276.7, 2.0); (366980.4, 3778064.5, 291.2, 2.0);
(367025.3, 3778064.5, 314.2, 2.0); (367070.1, 3778064.5, 331.7, 2.0);
(367115.0, 3778064.5, 340.1, 2.0); (367159.9, 3778064.5, 366.7, 2.0);
(367204.8, 3778064.5, 358.5, 2.0); (367249.7, 3778064.5, 334.6, 2.0);
(367294.6, 3778064.5, 305.5, 2.0); (367339.5, 3778064.5, 287.5, 2.0);
(367384.4, 3778064.5, 277.2, 2.0); (367429.3, 3778064.5, 296.2, 2.0);
(367474.2, 3778064.5, 324.3, 2.0); (366576.3, 3778112.5, 354.5, 2.0);
(366621.3, 3778112.5, 352.7, 2.0); (366666.1, 3778112.5, 331.0, 2.0);
(366711.0, 3778112.5, 307.8, 2.0); (366755.9, 3778112.5, 281.7, 2.0);
(366800.8, 3778112.5, 262.0, 2.0); (366845.7, 3778112.5, 264.3, 2.0);
(366890.6, 3778112.5, 268.7, 2.0); (366935.5, 3778112.5, 287.7, 2.0);

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**MODELOPTs: PAGE 34
CONC URBAN ELEV FLGPOL NOCALM

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(366980.4, 3778112.5, 306.8, 2.0); (367025.3, 3778112.5, 316.0, 2.0);
(367070.1, 3778112.5, 316.1, 2.0); (367115.0, 3778112.5, 319.6, 2.0);
(367159.9, 3778112.5, 354.2, 2.0); (367204.8, 3778112.5, 354.7, 2.0);
(367249.7, 3778112.5, 328.7, 2.0); (367294.6, 3778112.5, 304.1, 2.0);
(367339.5, 3778112.5, 280.0, 2.0); (367384.4, 3778112.5, 268.0, 2.0);
(367429.3, 3778112.5, 295.0, 2.0); (367474.2, 3778112.5, 309.1, 2.0);
(366576.3, 3778160.3, 350.6, 2.0); (366621.3, 3778160.3, 348.7, 2.0);
(366666.1, 3778160.3, 337.0, 2.0); (366711.0, 3778160.3, 309.8, 2.0);
(366755.9, 3778160.3, 287.0, 2.0); (366800.8, 3778160.3, 269.6, 2.0);
(366845.7, 3778160.3, 256.0, 2.0); (366890.6, 3778160.3, 269.1, 2.0);
(366935.5, 3778160.3, 285.5, 2.0); (366980.4, 3778160.3, 294.5, 2.0);
(367025.3, 3778160.3, 299.3, 2.0); (367070.1, 3778160.3, 299.3, 2.0);
(367115.0, 3778160.3, 311.8, 2.0); (367159.9, 3778160.3, 337.6, 2.0);
(367204.8, 3778160.3, 351.1, 2.0); (367249.7, 3778160.3, 328.7, 2.0);
(367294.6, 3778160.3, 301.2, 2.0); (367339.5, 3778160.3, 285.2, 2.0);
(367384.4, 3778160.3, 259.5, 2.0); (367429.3, 3778160.3, 281.1, 2.0);
(367474.2, 3778160.3, 300.5, 2.0); (366576.3, 3778208.3, 341.5, 2.0);
(366621.3, 3778208.3, 344.0, 2.0); (366666.1, 3778208.3, 342.0, 2.0);
(366711.0, 3778208.3, 318.6, 2.0); (366755.9, 3778208.3, 297.5, 2.0);
(366800.8, 3778208.3, 277.2, 2.0); (366845.7, 3778208.3, 256.7, 2.0);
(366890.6, 3778208.3, 256.1, 2.0); (366935.5, 3778208.3, 272.5, 2.0);
(366980.4, 3778208.3, 278.2, 2.0); (367025.3, 3778208.3, 287.3, 2.0);
(367070.1, 3778208.3, 282.5, 2.0); (367115.0, 3778208.3, 298.8, 2.0);
(367159.9, 3778208.3, 323.8, 2.0); (367204.8, 3778208.3, 345.2, 2.0);
(367249.7, 3778208.3, 331.8, 2.0); (367294.6, 3778208.3, 303.7, 2.0);
(367339.5, 3778208.3, 284.8, 2.0); (367384.4, 3778208.3, 262.0, 2.0);
(367429.3, 3778208.3, 274.8, 2.0); (367474.2, 3778208.3, 296.6, 2.0);
(366576.3, 3778256.0, 328.2, 2.0); (366621.3, 3778256.0, 339.0, 2.0);
(366666.1, 3778256.0, 338.1, 2.0); (366711.0, 3778256.0, 313.8, 2.0);
(366755.9, 3778256.0, 299.7, 2.0); (366800.8, 3778256.0, 281.7, 2.0);
(367070.1, 3778256.0, 278.2, 2.0); (367115.0, 3778256.0, 295.5, 2.0);
(367159.9, 3778256.0, 322.1, 2.0); (367204.8, 3778256.0, 342.6, 2.0);
(367249.7, 3778256.0, 332.7, 2.0); (367294.6, 3778256.0, 302.7, 2.0);
(367339.5, 3778256.0, 288.7, 2.0); (367384.4, 3778256.0, 267.1, 2.0);
(367429.3, 3778256.0, 259.8, 2.0); (367474.2, 3778256.0, 288.2, 2.0);
(366576.3, 3778304.0, 308.0, 2.0); (366621.3, 3778304.0, 328.6, 2.0);
(366666.1, 3778304.0, 333.2, 2.0); (366711.0, 3778304.0, 327.2, 2.0);
(366755.9, 3778304.0, 304.1, 2.0); (366800.8, 3778304.0, 276.7, 2.0);
(367070.1, 3778304.0, 292.0, 2.0); (367115.0, 3778304.0, 311.3, 2.0);
(367159.9, 3778304.0, 330.5, 2.0); (367204.8, 3778304.0, 338.2, 2.0);
(367249.7, 3778304.0, 330.3, 2.0); (367294.6, 3778304.0, 311.3, 2.0);
(367339.5, 3778304.0, 289.7, 2.0); (367384.4, 3778304.0, 262.2, 2.0);
(367429.3, 3778304.0, 254.8, 2.0); (367474.2, 3778304.0, 273.0, 2.0);
(366576.3, 3778351.8, 290.2, 2.0); (366621.3, 3778351.8, 312.8, 2.0);
(366666.1, 3778351.8, 328.5, 2.0); (366711.0, 3778351.8, 327.3, 2.0);

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**MODELOPTs: PAGE 35
CONC URBAN ELEV FLGPOL NOCALM

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(366755.9, 3778351.8, 306.6, 2.0); (366800.8, 3778351.8, 292.0, 2.0);
(366845.7, 3778351.8, 273.2, 2.0); (367115.0, 3778351.8, 295.6, 2.0);
(367159.9, 3778351.8, 313.6, 2.0); (367204.8, 3778351.8, 328.1, 2.0);
(367249.7, 3778351.8, 320.2, 2.0); (367294.6, 3778351.8, 301.0, 2.0);
(367339.5, 3778351.8, 287.2, 2.0); (367384.4, 3778351.8, 263.7, 2.0);
(367429.3, 3778351.8, 257.2, 2.0); (367474.2, 3778351.8, 272.6, 2.0);
(366576.3, 3778399.8, 288.2, 2.0); (366621.3, 3778399.8, 304.0, 2.0);
(366666.1, 3778399.8, 325.3, 2.0); (366711.0, 3778399.8, 327.5, 2.0);
(366755.9, 3778399.8, 314.3, 2.0); (366800.8, 3778399.8, 289.7, 2.0);
(366845.7, 3778399.8, 266.2, 2.0); (367159.9, 3778399.8, 304.3, 2.0);
(367204.8, 3778399.8, 320.2, 2.0); (367249.7, 3778399.8, 311.2, 2.0);
(367294.6, 3778399.8, 291.2, 2.0); (367339.5, 3778399.8, 277.6, 2.0);
(367384.4, 3778399.8, 262.0, 2.0); (367429.3, 3778399.8, 248.6, 2.0);
(367474.2, 3778399.8, 263.6, 2.0); (366576.3, 3778447.5, 282.6, 2.0);
(366621.3, 3778447.5, 298.3, 2.0); (366666.1, 3778447.5, 324.0, 2.0);
(366711.0, 3778447.5, 327.7, 2.0); (366755.9, 3778447.5, 316.7, 2.0);
(366800.8, 3778447.5, 297.7, 2.0); (366845.7, 3778447.5, 279.6, 2.0);
(366890.6, 3778447.5, 275.2, 2.0); (367159.9, 3778447.5, 287.7, 2.0);
(367204.8, 3778447.5, 307.7, 2.0); (367249.7, 3778447.5, 300.0, 2.0);
(367294.6, 3778447.5, 283.3, 2.0); (367339.5, 3778447.5, 265.8, 2.0);
(367384.4, 3778447.5, 255.0, 2.0); (367429.3, 3778447.5, 241.8, 2.0);
(367474.2, 3778447.5, 255.5, 2.0); (366576.3, 3778495.5, 268.3, 2.0);
(366621.3, 3778495.5, 291.6, 2.0); (366666.1, 3778495.5, 309.2, 2.0);
(366711.0, 3778495.5, 327.7, 2.0); (366755.9, 3778495.5, 325.3, 2.0);
(366800.8, 3778495.5, 309.3, 2.0); (366845.7, 3778495.5, 291.2, 2.0);
(366890.6, 3778495.5, 271.0, 2.0); (367159.9, 3778495.5, 280.6, 2.0);
(367204.8, 3778495.5, 295.1, 2.0); (367249.7, 3778495.5, 288.2, 2.0);
(367294.6, 3778495.5, 278.2, 2.0); (367339.5, 3778495.5, 265.7, 2.0);
(367384.4, 3778495.5, 251.6, 2.0); (367429.3, 3778495.5, 241.1, 2.0);
(367474.2, 3778495.5, 249.8, 2.0); (366576.3, 3778543.3, 265.2, 2.0);
(366621.3, 3778543.3, 287.5, 2.0); (366666.1, 3778543.3, 313.6, 2.0);
(366711.0, 3778543.3, 324.3, 2.0); (366755.9, 3778543.3, 323.3, 2.0);
(366800.8, 3778543.3, 318.7, 2.0); (366845.7, 3778543.3, 288.1, 2.0);
(366890.6, 3778543.3, 268.1, 2.0); (366935.5, 3778543.3, 262.5, 2.0);
(367159.9, 3778543.3, 269.2, 2.0); (367204.8, 3778543.3, 280.6, 2.0);
(367249.7, 3778543.3, 281.5, 2.0); (367294.6, 3778543.3, 263.2, 2.0);
(367339.5, 3778543.3, 253.6, 2.0); (367384.4, 3778543.3, 245.8, 2.0);
(367429.3, 3778543.3, 240.1, 2.0); (367474.2, 3778543.3, 250.3, 2.0);
(366576.3, 3778591.3, 243.6, 2.0); (366621.3, 3778591.3, 274.5, 2.0);
(366666.1, 3778591.3, 290.3, 2.0); (366711.0, 3778591.3, 314.2, 2.0);
(366755.9, 3778591.3, 320.0, 2.0); (366800.8, 3778591.3, 319.0, 2.0);
(366845.7, 3778591.3, 300.2, 2.0); (366890.6, 3778591.3, 288.0, 2.0);
(366935.5, 3778591.3, 275.0, 2.0); (366980.4, 3778591.3, 260.2, 2.0);
(367070.1, 3778591.3, 234.1, 2.0); (367115.0, 3778591.3, 229.8, 2.0);
(367159.9, 3778591.3, 248.8, 2.0); (367204.8, 3778591.3, 267.0, 2.0);

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**MODELOPTs: PAGE 36
CONC URBAN ELEV FLGPOL NOCALM

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(367249.7, 3778591.3, 270.1, 2.0); (367294.6, 3778591.3, 255.3, 2.0);
(367339.5, 3778591.3, 247.3, 2.0); (367384.4, 3778591.3, 237.1, 2.0);
(367429.3, 3778591.3, 240.1, 2.0); (367474.2, 3778591.3, 252.6, 2.0);
(366576.3, 3778639.0, 237.6, 2.0); (366621.3, 3778639.0, 267.1, 2.0);
(366666.1, 3778639.0, 280.5, 2.0); (366711.0, 3778639.0, 286.0, 2.0);
(366755.9, 3778639.0, 312.5, 2.0); (366800.8, 3778639.0, 316.2, 2.0);
(366845.7, 3778639.0, 314.7, 2.0); (366890.6, 3778639.0, 292.0, 2.0);
(366935.5, 3778639.0, 267.2, 2.0); (366980.4, 3778639.0, 250.5, 2.0);
(367025.3, 3778639.0, 242.1, 2.0); (367070.1, 3778639.0, 233.8, 2.0);
(367115.0, 3778639.0, 228.8, 2.0); (367159.9, 3778639.0, 239.1, 2.0);
(367204.8, 3778639.0, 254.8, 2.0); (367249.7, 3778639.0, 250.8, 2.0);
(367294.6, 3778639.0, 247.8, 2.0); (367339.5, 3778639.0, 240.5, 2.0);
(367384.4, 3778639.0, 234.1, 2.0); (367429.3, 3778639.0, 244.1, 2.0);
(367474.2, 3778639.0, 257.0, 2.0); (366576.3, 3778687.0, 235.3, 2.0);
(366621.3, 3778687.0, 250.1, 2.0); (366666.1, 3778687.0, 267.2, 2.0);
(366711.0, 3778687.0, 276.8, 2.0); (366755.9, 3778687.0, 291.7, 2.0);
(366800.8, 3778687.0, 302.6, 2.0); (366845.7, 3778687.0, 312.1, 2.0);
(366890.6, 3778687.0, 292.6, 2.0); (366935.5, 3778687.0, 262.3, 2.0);
(366980.4, 3778687.0, 249.1, 2.0); (367025.3, 3778687.0, 242.3, 2.0);
(367070.1, 3778687.0, 233.3, 2.0); (367115.0, 3778687.0, 228.3, 2.0);
(367159.9, 3778687.0, 230.8, 2.0); (367204.8, 3778687.0, 241.6, 2.0);
(367249.7, 3778687.0, 236.6, 2.0); (367294.6, 3778687.0, 231.8, 2.0);
(367339.5, 3778687.0, 231.6, 2.0); (367384.4, 3778687.0, 234.1, 2.0);
(367429.3, 3778687.0, 243.5, 2.0); (367474.2, 3778687.0, 258.7, 2.0);
(366576.3, 3778734.8, 231.3, 2.0); (366621.3, 3778734.8, 242.8, 2.0);
(366666.1, 3778734.8, 252.1, 2.0); (366711.0, 3778734.8, 267.2, 2.0);
(366755.9, 3778734.8, 273.6, 2.0); (366800.8, 3778734.8, 285.7, 2.0);
(366845.7, 3778734.8, 297.2, 2.0); (366890.6, 3778734.8, 292.3, 2.0);
(366935.5, 3778734.8, 277.7, 2.0); (366980.4, 3778734.8, 258.7, 2.0);
(367025.3, 3778734.8, 245.1, 2.0); (367070.1, 3778734.8, 235.1, 2.0);

```
 ( 367115.0, 3778734.8,    227.8,     2.0);     ( 367159.9, 3778734.8,    225.5,     2.0);
 ( 367204.8, 3778734.8,    228.3,     2.0);     ( 367249.7, 3778734.8,    228.5,     2.0);
 ( 367294.6, 3778734.8,    230.1,     2.0);     ( 367339.5, 3778734.8,    232.3,     2.0);
 ( 367384.4, 3778734.8,    234.8,     2.0);     ( 367429.3, 3778734.8,    237.1,     2.0);
 ( 367474.2, 3778734.8,    253.3,     2.0);     ( 366576.3, 3778782.8,    230.6,     2.0);
 ( 366621.3, 3778782.8,    238.3,     2.0);     ( 366666.1, 3778782.8,    245.8,     2.0);
 ( 366711.0, 3778782.8,    250.8,     2.0);     ( 366755.9, 3778782.8,    254.5,     2.0);
 ( 366800.8, 3778782.8,    276.6,     2.0);     ( 366845.7, 3778782.8,    288.0,     2.0);
 ( 366890.6, 3778782.8,    273.7,     2.0);     ( 366935.5, 3778782.8,    273.8,     2.0);
 ( 366980.4, 3778782.8,    264.5,     2.0);     ( 367025.3, 3778782.8,    245.6,     2.0);
 ( 367070.1, 3778782.8,    231.8,     2.0);     ( 367115.0, 3778782.8,    225.3,     2.0);
 ( 367159.9, 3778782.8,    224.6,     2.0);     ( 367204.8, 3778782.8,    224.6,     2.0);
 ( 367249.7, 3778782.8,    227.0,     2.0);     ( 367294.6, 3778782.8,    230.8,     2.0);
 ( 367339.5, 3778782.8,    233.1,     2.0);     ( 367384.4, 3778782.8,    231.5,     2.0);
 ( 367429.3, 3778782.8,    235.8,     2.0);     ( 367474.2, 3778782.8,    247.1,     2.0);
*** ISCST3 - VERSION 02035 ***   *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc     ***
05/15/06
                 ***                                        ***     17:42:49
**MODELOPTs:                                                          PAGE  37
CONC            URBAN ELEV  FLGPOL                   NOCALM


                       *** DISCRETE CARTESIAN RECEPTORS ***
                        (X-COORD, Y-COORD, ZELEV, ZFLAG)
                                  (METERS)

 ( 366576.3, 3778830.5,    227.8,     2.0);     ( 366621.3, 3778830.5,    231.6,     2.0);
 ( 366666.1, 3778830.5,    233.8,     2.0);     ( 366711.0, 3778830.5,    237.0,     2.0);
 ( 366755.9, 3778830.5,    253.3,     2.0);     ( 366800.8, 3778830.5,    267.2,     2.0);
 ( 366845.7, 3778830.5,    273.5,     2.0);     ( 366890.6, 3778830.5,    260.6,     2.0);
 ( 366935.5, 3778830.5,    248.0,     2.0);     ( 366980.4, 3778830.5,    265.3,     2.0);
 ( 367025.3, 3778830.5,    243.8,     2.0);     ( 367070.1, 3778830.5,    234.6,     2.0);
 ( 367115.0, 3778830.5,    223.8,     2.0);     ( 367159.9, 3778830.5,    223.6,     2.0);
 ( 367204.8, 3778830.5,    224.0,     2.0);     ( 367249.7, 3778830.5,    226.8,     2.0);
 ( 367294.6, 3778830.5,    229.1,     2.0);     ( 367339.5, 3778830.5,    231.1,     2.0);
 ( 367384.4, 3778830.5,    228.1,     2.0);     ( 367429.3, 3778830.5,    226.3,     2.0);
 ( 367474.2, 3778830.5,    235.0,     2.0);
*** ISCST3 - VERSION 02035 ***   *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc     ***
05/15/06
                 ***                                        ***     17:42:49
**MODELOPTs:                                                          PAGE  38
CONC            URBAN ELEV  FLGPOL                   NOCALM

          * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
            LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE


              SOURCE      - - RECEPTOR LOCATION - -      DISTANCE
               ID       XR (METERS)  YR (METERS)       (METERS)
              - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

              L0001344      367070.1   3778304.0        -10.21
              L0001370      367070.1   3778304.0        -10.21
*** ISCST3 - VERSION 02035 ***   *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc     ***
05/15/06
                 ***                                        ***     17:42:49
**MODELOPTs:                                                          PAGE  39
CONC            URBAN ELEV  FLGPOL                   NOCALM


                    *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                      (1=YES; 0=NO)

     1111111111 1111111111 1111111111 1111111111 1111111111
     1111111111 1111111111 1111111111 1111111111 1111111111
     1111111111 1111111111 1111111111 1111111111 1111111111
     1111111111 1111111111 1111111111 1111111111 1111111111
     1111111111 1111111111 1111111111 1111111111 1111111111
     1111111111 1111111111 1111111111 1111111111 1111111111
     1111111111 1111111111 1111111111 1111111111 1111111111
     1111111111 111111

      NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN
THE DATA FILE.


              *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                  (METERS/SEC)

                         1.54,   3.09,   5.14,   8.23,  10.80,


                             *** WIND PROFILE EXPONENTS ***


        STABILITY                     WIND SPEED CATEGORY
        CATEGORY       1          2          3          4          5          6
           A      .15000E+00  .15000E+00  .15000E+00  .15000E+00  .15000E+00  .15000E+00
           B      .15000E+00  .15000E+00  .15000E+00  .15000E+00  .15000E+00  .15000E+00
           C      .20000E+00  .20000E+00  .20000E+00  .20000E+00  .20000E+00  .20000E+00
           D      .25000E+00  .25000E+00  .25000E+00  .25000E+00  .25000E+00  .25000E+00
           E      .30000E+00  .30000E+00  .30000E+00  .30000E+00  .30000E+00  .30000E+00
           F      .30000E+00  .30000E+00  .30000E+00  .30000E+00  .30000E+00  .30000E+00


                   *** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
                             (DEGREES KELVIN PER METER)


        STABILITY                     WIND SPEED CATEGORY
        CATEGORY       1          2          3          4          5          6
           A      .00000E+00  .00000E+00  .00000E+00  .00000E+00  .00000E+00  .00000E+00
           B      .00000E+00  .00000E+00  .00000E+00  .00000E+00  .00000E+00  .00000E+00
           C      .00000E+00  .00000E+00  .00000E+00  .00000E+00  .00000E+00  .00000E+00
           D      .00000E+00  .00000E+00  .00000E+00  .00000E+00  .00000E+00  .00000E+00
           E      .20000E-01  .20000E-01  .20000E-01  .20000E-01  .20000E-01  .20000E-01
           F      .35000E-01  .35000E-01  .35000E-01  .35000E-01  .35000E-01  .35000E-01
*** ISCST3 - VERSION 02035 ***   *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc     ***
05/15/06
                 ***                                        ***     17:42:49
**MODELOPTs:                                                          PAGE  40
CONC            URBAN ELEV  FLGPOL                   NOCALM


           *** THE FIRST  24 HOURS OF METEOROLOGICAL DATA ***

  FILE:  V:\AQNOIS~1\Metdata\AQMD\BURBANK.ASC
  FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
  SURFACE STATION NO.:  51100              UPPER AIR STATION NO.:  99999
          NAME: UNKNOWN                             NAME: UNKNOWN
          YEAR:  1981                               YEAR:  1981

            FLOW   SPEED  TEMP  STAB  MIXING HEIGHT (M)  USTAR  M-O LENGTH   Z-0 IPCODE PRATE
YR MN DY HR VECTOR  (M/S)   (K)  CLASS   RURAL   URBAN    (M/S)     (M)       (M)      (mm/HR)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

81 01 01 01  134.8   1.00  285.9   7     522.6   170.0    0.0000      0.0  0.0000   0   0.00
81 01 01 02   34.9   1.00  284.8   7     507.0   170.0    0.0000      0.0  0.0000   0   0.00
81 01 01 03  130.0   1.00  284.8   7     491.4   170.0    0.0000      0.0  0.0000   0   0.00
81 01 01 04  166.0   1.00  284.8   7     475.8   170.0    0.0000      0.0  0.0000   0   0.00
81 01 01 05  129.0   1.00  285.4   7     460.3   170.0    0.0000      0.0  0.0000   0   0.00
81 01 01 06   49.5   1.00  284.3   7     444.7   170.0    0.0000      0.0  0.0000   0   0.00
81 01 01 07   94.5   1.00  284.3   7     429.1   170.0    0.0000      0.0  0.0000   0   0.00
81 01 01 08  157.1   1.00  284.3   6      43.0   190.2    0.0000      0.0  0.0000   0   0.00
81 01 01 09  141.5   1.00  287.6   5      89.2   211.8    0.0000      0.0  0.0000   0   0.00
81 01 01 10   76.7   1.00  291.5   4     135.3   233.4    0.0000      0.0  0.0000   0   0.00
81 01 01 11   44.1   1.34  297.0   3     181.5   255.1    0.0000      0.0  0.0000   0   0.00
81 01 01 12   35.6   1.34  298.7   2     227.7   276.7    0.0000      0.0  0.0000   0   0.00
81 01 01 13  334.7   1.00  299.3   2     273.8   298.4    0.0000      0.0  0.0000   0   0.00
81 01 01 14  349.2   2.24  299.3   3     320.0   320.0    0.0000      0.0  0.0000   0   0.00
81 01 01 15  359.8   1.79  298.7   3     320.0   320.0    0.0000      0.0  0.0000   0   0.00
81 01 01 16   53.2   1.79  297.6   4     320.0   320.0    0.0000      0.0  0.0000   0   0.00
81 01 01 17  312.6   1.34  294.8   5     325.5   318.6    0.0000      0.0  0.0000   0   0.00
81 01 01 18  300.1   1.34  293.1   6     357.1   310.3    0.0000      0.0  0.0000   0   0.00
81 01 01 19  290.5   1.34  290.9   7     388.7   302.1    0.0000      0.0  0.0000   0   0.00
81 01 01 20   33.2   1.00  289.8   7     420.3   293.9    0.0000      0.0  0.0000   0   0.00
81 01 01 21   88.6   1.00  289.3   7     451.9   285.7    0.0000      0.0  0.0000   0   0.00
81 01 01 22  182.0   1.00  287.6   7     483.5   277.4    0.0000      0.0  0.0000   0   0.00
81 01 01 23   45.7   1.00  287.6   7     515.1   269.2    0.0000      0.0  0.0000   0   0.00
81 01 01 24   22.2   1.00  287.6   7     546.7   261.0    0.0000      0.0  0.0000   0   0.00


*** NOTES:  STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
        FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.
*** ISCST3 - VERSION 02035 ***   *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc     ***
05/15/06
                 ***                                        ***     17:42:49
**MODELOPTs:                                                          PAGE  41
CONC            URBAN ELEV  FLGPOL                   NOCALM

                 *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
PHASE1  ***
                   INCLUDING SOURCE(S):     L0001377, L0001378, L0001379, L0001380, L0001381, L0001382,
L0001383,
      L0001384, L0001385, L0001406, L0001407, L0001408, L0001409, L0001410, L0001411, L0001412, L0001413,
L0001414,

                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                           ** CONC OF PM      IN MICROGRAMS/M**3                  **

   X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)           X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     367102.00  3778573.50      7.71240  (81111424)        367074.28  3778586.75      8.50620  (81090624)
     367054.13  3778592.75      9.19495  (81092324)        367022.38  3778598.75     11.69230  (81051424)
     367030.97  3778595.25     11.26651  (81051424)        367041.53  3778596.25      9.66617  (81052924)
     366980.06  3778608.25      9.57287  (81100324)        366976.53  3778598.25     11.16553  (81100324)
     366973.53  3778587.25     13.07649  (81100324)        366970.00  3778576.00     15.09739  (81100324)
     366898.44  3778533.75     12.86463  (81010524)        366907.91  3778446.25      5.77964  (81081624)
     366857.25  3778344.25      0.56892  (81012624)        366966.03  3778565.75     16.68331  (81100324)
     366960.75  3778555.50     17.47770  (81100324)        366902.63  3778541.75     14.23530  (81010524)
     366911.75  3778456.25      7.21000  (81081624)        366857.97  3778339.50      0.56671  (81012624)
     366576.34  3777968.75      0.10250  (81112224)        366621.25  3777968.75      0.12669  (81112224)
     366666.13  3777968.75      0.14758  (81112224)        366711.03  3777968.75      0.15968  (81112224)
     366755.91  3777968.75      0.17156  (81111524)        366800.81  3777968.75      0.16586  (81111524)
     366845.69  3777968.75      0.14686  (81020824)        366890.59  3777968.75      0.19130  (81020724)
     366935.47  3777968.75      0.25947  (81111424)        366980.38  3777968.75      0.39413  (81111424)
     367025.25  3777968.75      0.44030  (81111424)        367070.13  3777968.75      0.47061  (81031824)
     367115.03  3777968.75      0.85728  (81010724)        367159.91  3777968.75      1.17742  (81010724)
     367204.81  3777968.75      1.12103  (81010124)        367249.69  3777968.75      1.20353  (81010124)
     367294.59  3777968.75      1.09893  (81010124)        367339.47  3777968.75      1.06699  (81112024)
     367384.38  3777968.75      1.07613  (81112024)        367429.25  3777968.75      0.96319  (81122524)
     367474.16  3777968.75      0.99807  (81122524)        366576.34  3778016.75      0.09406  (81112224)
     366621.25  3778016.75      0.12486  (81112224)        366666.13  3778016.75      0.15660  (81112224)
     366711.03  3778016.75      0.18269  (81112224)        366755.91  3778016.75      0.19937  (81111524)
     366800.81  3778016.75      0.20734  (81111524)        366845.69  3778016.75      0.18728  (81111524)
     366890.59  3778016.75      0.21629  (81020724)        366935.47  3778016.75      0.27994  (81111424)
     366980.38  3778016.75      0.45919  (81111424)        367025.25  3778016.75      0.52452  (81111424)
     367070.13  3778016.75      0.62474  (81031824)        367115.03  3778016.75      1.13724  (81010724)
     367159.91  3778016.75      1.35832  (81010724)        367204.81  3778016.75      1.40747  (81010124)
     367249.69  3778016.75      1.37719  (81010124)        367294.59  3778016.75      1.26221  (81010124)
     367339.47  3778016.75      1.28550  (81112024)        367384.38  3778016.75      1.11756  (81122524)
     367429.25  3778016.75      1.17538  (81122524)        367474.16  3778016.75      1.31401  (81011824)
     366576.34  3778064.50      0.07935  (81112224)        366621.25  3778064.50      0.11419  (81112224)
     366666.13  3778064.50      0.15589  (81112224)        366711.03  3778064.50      0.19865  (81112224)
     366755.91  3778064.50      0.23109  (81112224)        366800.81  3778064.50      0.25315  (81111524)
     366845.69  3778064.50      0.24849  (81111524)        366890.59  3778064.50      0.24196  (81020724)
     366935.47  3778064.50      0.30764  (81020724)        366980.38  3778064.50      0.54127  (81111424)
     367025.25  3778064.50      0.63647  (81111424)        367070.13  3778064.50      0.84314  (81031824)
     367115.03  3778064.50      1.49479  (81010724)        367159.91  3778064.50      1.48879  (81010724)
     367204.81  3778064.50      1.72009  (81010124)        367249.69  3778064.50      1.60007  (81010124)
     367294.59  3778064.50      1.54397  (81112024)        367339.47  3778064.50      1.37010  (81112024)
     367384.38  3778064.50      1.41072  (81122524)        367429.25  3778064.50      1.62927  (81011824)
*** ISCST3 - VERSION 02035 ***   *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc     ***
05/15/06
                 ***                                        ***     17:42:49
**MODELOPTs:                                                          PAGE  42
CONC            URBAN ELEV  FLGPOL                   NOCALM

                 *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
PHASE1  ***
                   INCLUDING SOURCE(S):     L0001377, L0001378, L0001379, L0001380, L0001381, L0001382,
L0001383,
      L0001384, L0001385, L0001406, L0001407, L0001408, L0001409, L0001410, L0001411, L0001412, L0001413,
L0001414,

                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                           ** CONC OF PM      IN MICROGRAMS/M**3                  **

   X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)           X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     367474.16  3778064.50      1.80796  (81011824)        366576.34  3778112.50      0.07850  (81012624)
     366621.25  3778112.50      0.09401  (81112224)        366666.13  3778112.50      0.14162  (81112224)
     366711.03  3778112.50      0.20038  (81112224)        366755.91  3778112.50      0.26003  (81112224)
     366800.81  3778112.50      0.29988  (81112224)        366845.69  3778112.50      0.32513  (81111524)
     366890.59  3778112.50      0.28963  (81111524)        366935.47  3778112.50      0.37331  (81020724)
     366980.38  3778112.50      0.64752  (81111424)        367025.25  3778112.50      0.79183  (81111424)
     367070.13  3778112.50      1.15944  (81031824)        367115.03  3778112.50      1.92492  (81010724)
     367159.91  3778112.50      2.03318  (81010124)        367204.81  3778112.50      2.09103  (81010124)
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367249.69	3778112.50	1.89273	(81010124)	367294.59	3778112.50	1.74606 (81112024)
367339.47	3778112.50	1.73734	(81122524)	367384.38	3778112.50	2.07204 (81011824)
367429.25	3778112.50	2.22632	(81011824)	367474.16	3778112.50	2.07057 (81011824)
366576.34	3778160.25	0.08256	(81012624)	366621.25	3778160.25	0.09922 (81012624)
366666.13	3778160.25	0.11728	(81012624)	366711.03	3778160.25	0.18061 (81112224)
366755.91	3778160.25	0.26733	(81112224)	366800.81	3778160.25	0.35397 (81112224)
366845.69	3778160.25	0.40958	(81111524)	366890.59	3778160.25	0.41557 (81111524)
366935.47	3778160.25	0.45326	(81020724)	366980.38	3778160.25	0.78558 (81111424)
367025.25	3778160.25	1.01410	(81111424)	367070.13	3778160.25	1.68927 (81010724)
367115.03	3778160.25	2.36543	(81010724)	367159.91	3778160.25	2.72368 (81010124)
367204.81	3778160.25	2.55716	(81010124)	367249.69	3778160.25	2.28266 (81112024)
367294.59	3778160.25	2.20717	(81122524)	367339.47	3778160.25	2.70221 (81011824)
367384.38	3778160.25	2.77288	(81011824)	367429.25	3778160.25	2.41305 (81011824)
367474.16	3778160.25	1.85062	(81011824)	366576.34	3778208.25	0.08155 (81012624)
366621.25	3778208.25	0.10266	(81012624)	366666.13	3778208.25	0.12828 (81012624)
366711.03	3778208.25	0.15774	(81012624)	366755.91	3778208.25	0.23803 (81112224)
366800.81	3778208.25	0.37491	(81112224)	366845.69	3778208.25	0.50748 (81112224)
366890.59	3778208.25	0.58378	(81111524)	366935.47	3778208.25	0.54417 (81020724)
366980.38	3778208.25	0.96862	(81111424)	367025.25	3778208.25	1.35288 (81111424)
367070.13	3778208.25	2.60315	(81010724)	367115.03	3778208.25	3.26459 (81010124)
367159.91	3778208.25	3.62071	(81010124)	367204.81	3778208.25	3.07343 (81112024)
367249.69	3778208.25	2.99255	(81011824)	367294.59	3778208.25	3.64625 (81011824)
367339.47	3778208.25	3.49063	(81011824)	367384.38	3778208.25	2.77287 (81011824)
367429.25	3778208.25	1.92703	(81011824)	367474.16	3778208.25	1.64620 (81112124)
366576.34	3778256.00	0.14803	(81100124)	366621.25	3778256.00	0.12903 (81071924)
366666.13	3778256.00	0.13327	(81071924)	366711.03	3778256.00	0.16985 (81012624)
366755.91	3778256.00	0.22088	(81012624)	366800.81	3778256.00	0.32852 (81112224)
367070.13	3778256.00	3.92891	(81010724)	367115.03	3778256.00	5.13105 (81010124)
367159.91	3778256.00	4.51078	(81010124)	367204.81	3778256.00	4.40766 (81011824)
367249.69	3778256.00	5.09117	(81011824)	367294.59	3778256.00	4.40766 (81011824)
367339.47	3778256.00	3.10179	(81011824)	367384.38	3778256.00	2.29485 (81112124)
367429.25	3778256.00	1.90089	(81112124)	367474.16	3778256.00	1.53285 (81011324)

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**MODELOPTs: PAGE 43

CONC URBAN ELEV FLGPOL NOCALM

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***

INCLUDING SOURCE(S): L0001377, L0001378, L0001379, L0001380, L0001381, L0001382, L0001383,
L0001384, L0001385, L0001406, L0001407, L0001408, L0001409, L0001410, L0001411, L0001412, L0001413, L0001414,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
366576.34	3778304.00	0.32192	(81100124)	366621.25	3778304.00	0.31608 (81100124)
366666.13	3778304.00	0.29520	(81100124)	366711.03	3778304.00	0.25507 (81100124)
366755.91	3778304.00	0.24908	(81071924)	366800.81	3778304.00	0.32543 (81012624)
367070.13	3778304.00	6.43261	(81010124)	367115.03	3778304.00	7.53699 (81010124)
367159.91	3778304.00	7.11901	(81011824)	367204.81	3778304.00	7.40026 (81011824)
367249.69	3778304.00	5.52458	(81011824)	367294.59	3778304.00	3.47920 (81112124)
367339.47	3778304.00	2.74573	(81112124)	367384.38	3778304.00	2.20674 (81122124)
367429.25	3778304.00	2.04688	(81122424)	367474.16	3778304.00	2.11042 (81122424)
366576.34	3778351.75	0.51803	(81100124)	366621.25	3778351.75	0.57510 (81100124)
366666.13	3778351.75	0.63102	(81100124)	366711.03	3778351.75	0.67698 (81100124)
366755.91	3778351.75	0.69674	(81100124)	366800.81	3778351.75	0.66470 (81100124)
366845.69	3778351.75	0.58848	(81071924)	367115.03	3778351.75	12.99028 (81011824)
367159.91	3778351.75	11.18911	(81011824)	367204.81	3778351.75	6.79516 (81011824)
367249.69	3778351.75	4.41704	(81112124)	367294.59	3778351.75	3.87228 (81122424)
367339.47	3778351.75	3.80156	(81122424)	367384.38	3778351.75	3.52781 (81122424)
367429.25	3778351.75	3.15594	(81122424)	367474.16	3778351.75	2.75861 (81122424)
366576.34	3778399.75	0.60653	(81100124)	366621.25	3778399.75	0.72326 (81100124)
366666.13	3778399.75	0.87345	(81100124)	366711.03	3778399.75	1.06898 (81100124)
366755.91	3778399.75	1.32459	(81100124)	366800.81	3778399.75	1.65726 (81100124)
366845.69	3778399.75	2.07659	(81100124)	367159.91	3778399.75	10.19680 (81122424)
367204.81	3778399.75	8.64018	(81122424)	367249.69	3778399.75	7.03518 (81122424)
367294.59	3778399.75	5.56112	(81122424)	367339.47	3778399.75	4.33588 (81122424)
367384.38	3778399.75	3.37387	(81122424)	367429.25	3778399.75	2.64042 (81122424)
367474.16	3778399.75	2.08568	(81122424)	366576.34	3778447.50	0.50661 (81100124)
366621.25	3778447.50	0.61249	(81100124)	366666.13	3778447.50	0.75585 (81100124)
366711.03	3778447.50	0.95689	(81100124)	366755.91	3778447.50	1.25022 (81100124)
366800.81	3778447.50	1.70164	(81100124)	366845.69	3778447.50	2.46552 (81081624)
366890.59	3778447.50	4.47069	(81081624)	367159.91	3778447.50	12.97105 (81012424)
367204.81	3778447.50	8.79335	(81012424)	367249.69	3778447.50	6.39531 (81012424)
367294.59	3778447.50	4.87392	(81012424)	367339.47	3778447.50	3.84696 (81012424)
367384.38	3778447.50	3.11969	(81012424)	367429.25	3778447.50	2.58628 (81012424)
367474.16	3778447.50	2.18271	(81012424)	366576.34	3778495.50	0.50140 (81081624)
366621.25	3778495.50	0.64363	(81081624)	366666.13	3778495.50	0.85047 (81081624)
366711.03	3778495.50	1.16435	(81081624)	366755.91	3778495.50	1.66233 (81081624)
366800.81	3778495.50	2.49176	(81081624)	366845.69	3778495.50	3.92310 (81081624)
366890.59	3778495.50	6.38868	(81081624)	367159.91	3778495.50	10.08734 (81110124)
367204.81	3778495.50	7.39234	(81020624)	367249.69	3778495.50	5.66752 (81022324)
367294.59	3778495.50	4.53157	(81012424)	367339.47	3778495.50	3.71198 (81012424)
367384.38	3778495.50	3.08522	(81012424)	367429.25	3778495.50	2.59911 (81012424)
367474.16	3778495.50	2.21618	(81012424)	366576.34	3778543.25	0.72296 (81112724)

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**MODELOPTs: PAGE 44

CONC URBAN ELEV FLGPOL NOCALM

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***

INCLUDING SOURCE(S): L0001377, L0001378, L0001379, L0001380, L0001381, L0001382, L0001383,
L0001384, L0001385, L0001406, L0001407, L0001408, L0001409, L0001410, L0001411, L0001412, L0001413, L0001414,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
366621.25	3778543.25	0.91917	(81112724)	366666.13	3778543.25	1.18183 (81112724)
366711.03	3778543.25	1.53264	(81112724)	366755.91	3778543.25	1.99751 (81081624)
366800.81	3778543.25	2.69487	(81112624)	366845.69	3778543.25	5.19744 (81010524)
366890.59	3778543.25	11.97751	(81010524)	366935.47	3778543.25	19.53353 (81010524)
367159.91	3778543.25	9.74744	(81011624)	367204.81	3778543.25	7.41501 (81011624)
367249.69	3778543.25	4.81528	(81110124)	367294.59	3778543.25	3.70628 (81110124)
367339.47	3778543.25	2.86322	(81020624)	367384.38	3778543.25	2.58725 (81020624)
367429.25	3778543.25	2.29316	(81020624)	367474.16	3778543.25	2.01080 (81020624)
366576.34	3778591.25	0.83875	(81112724)	366621.25	3778591.25	1.10051 (81112624)
366666.13	3778591.25	1.40717	(81112624)	366711.03	3778591.25	1.68696 (81112624)
366755.91	3778591.25	2.18878	(81010524)	366800.81	3778591.25	4.33955 (81010524)
366845.69	3778591.25	8.09787	(81010524)	366890.59	3778591.25	11.40540 (81010524)
366935.47	3778591.25	10.74601	(81100324)	366980.38	3778591.25	12.20706 (81100324)
367070.13	3778591.25	8.43203	(81090624)	367115.03	3778591.25	5.93501 (81111424)
367159.91	3778591.25	7.60492	(81011124)	367204.81	3778591.25	4.87903 (81111224)
367249.69	3778591.25	4.86777	(81011624)	367294.59	3778591.25	4.08568 (81011624)
367339.47	3778591.25	3.01001	(81011624)	367384.38	3778591.25	2.27817 (81110124)
367429.25	3778591.25	1.96078	(81110124)	367474.16	3778591.25	1.65045 (81110124)
366576.34	3778639.00	1.03295	(81112624)	366621.25	3778639.00	1.14487 (81112624)
366666.13	3778639.00	1.18541	(81010524)	366711.03	3778639.00	2.03247 (81010524)
366755.91	3778639.00	3.60239	(81010524)	366800.81	3778639.00	5.88319 (81010524)
366845.69	3778639.00	7.55285	(81010524)	366890.59	3778639.00	6.43446 (81010524)
366935.47	3778639.00	7.33096	(81100324)	366980.38	3778639.00	7.47776 (81051424)
367025.25	3778639.00	7.39024	(81051424)	367070.13	3778639.00	5.34920 (81092324)
367115.03	3778639.00	3.87361	(81090624)	367159.91	3778639.00	4.32702 (81011124)
367204.81	3778639.00	4.86289	(81011124)	367249.69	3778639.00	3.44283 (81011124)
367294.59	3778639.00	2.94167	(81011624)	367339.47	3778639.00	2.99514 (81011624)
367384.38	3778639.00	2.61291	(81011624)	367429.25	3778639.00	2.09121 (81011624)
367474.16	3778639.00	1.56610	(81011624)	366576.34	3778687.00	0.81118 (81112624)
366621.25	3778687.00	1.14726	(81010524)	366666.13	3778687.00	1.86197 (81010524)
366711.03	3778687.00	3.02739	(81010524)	366755.91	3778687.00	4.48873 (81010524)
366800.81	3778687.00	5.40170	(81010524)	366845.69	3778687.00	4.64323 (81010524)
366890.59	3778687.00	4.79418	(81100324)	366935.47	3778687.00	4.62509 (81100324)
366980.38	3778687.00	5.32490	(81051424)	367025.25	3778687.00	4.87175 (81051424)
367070.13	3778687.00	3.87929	(81122924)	367115.03	3778687.00	3.27156 (81090624)
367159.91	3778687.00	2.92354	(81022524)	367204.81	3778687.00	3.11444 (81011124)
367249.69	3778687.00	3.41108	(81011124)	367294.59	3778687.00	2.56586 (81011124)
367339.47	3778687.00	2.14137	(81111224)	367384.38	3778687.00	2.04286 (81011624)
367429.25	3778687.00	2.05772	(81011624)	367474.16	3778687.00	1.85523 (81011624)
366576.34	3778734.75	1.08373	(81010524)	366621.25	3778734.75	1.69353 (81010524)

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**MODELOPTs: PAGE 45

CONC URBAN ELEV FLGPOL NOCALM

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***

INCLUDING SOURCE(S): L0001377, L0001378, L0001379, L0001380, L0001381, L0001382, L0001383,
L0001384, L0001385, L0001406, L0001407, L0001408, L0001409, L0001410, L0001411, L0001412, L0001413, L0001414,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
366666.13	3778734.75	2.56894	(81010524)	366711.03	3778734.75	3.54832 (81010524)
366755.91	3778734.75	4.08490	(81010524)	366800.81	3778734.75	3.56498 (81010524)
366845.69	3778734.75	3.30813	(81100324)	366890.59	3778734.75	3.49514 (81100324)
366935.47	3778734.75	3.08749	(81051424)	366980.38	3778734.75	3.93498 (81051424)
367025.25	3778734.75	3.46702	(81051424)	367070.13	3778734.75	3.00174 (81122924)
367115.03	3778734.75	2.54646	(81090624)	367159.91	3778734.75	1.89588 (81090624)
367204.81	3778734.75	2.18706	(81022524)	367249.69	3778734.75	2.26870 (81011124)
367294.59	3778734.75	2.48381	(81011124)	367339.47	3778734.75	2.03991 (81011124)
367384.38	3778734.75	1.61932	(81111224)	367429.25	3778734.75	1.58312 (81111224)
367474.16	3778734.75	1.52911	(81011624)	366576.34	3778782.75	1.51780 (81010524)
366621.25	3778782.75	2.20716	(81010524)	366666.13	3778782.75	2.88319 (81010524)
366711.03	3778782.75	3.21110	(81010524)	366755.91	3778782.75	2.83899 (81010524)
366800.81	3778782.75	2.37796	(81100324)	366845.69	3778782.75	2.66575 (81100324)
366890.59	3778782.75	2.47182	(81100324)	366935.47	3778782.75	2.56820 (81051424)
366980.38	3778782.75	3.00258	(81051424)	367025.25	3778782.75	2.59513 (81051424)
367070.13	3778782.75	2.25211	(81122924)	367115.03	3778782.75	1.91315 (81090624)
367159.91	3778782.75	1.73436	(81090624)	367204.81	3778782.75	1.61094 (81122224)
367249.69	3778782.75	1.64441	(81022524)	367294.59	3778782.75	1.83601 (81011124)
367339.47	3778782.75	1.98004	(81011124)	367384.38	3778782.75	1.65844 (81011124)
367429.25	3778782.75	1.26213	(81103124)	367474.16	3778782.75	1.28623 (81111224)
366576.34	3778830.50	1.85815	(81010524)	366621.25	3778830.50	2.36525 (81010524)
366666.13	3778830.50	2.59104	(81010524)	366711.03	3778830.50	2.33088 (81010524)
366755.91	3778830.50	1.77340	(81100324)	366800.81	3778830.50	2.05751 (81100324)
366845.69	3778830.50	2.05668	(81100324)	366890.59	3778830.50	1.87612 (81081824)
366935.47	3778830.50	2.14279	(81051424)	366980.38	3778830.50	2.36129 (81051424)
367025.25	3778830.50	2.02165	(81051424)	367070.13	3778830.50	1.89340 (81010224)
367115.03	3778830.50	1.59755	(81122924)	367159.91	3778830.50	1.49187 (81090624)
367204.81	3778830.50	1.16975	(81122224)	367249.69	3778830.50	1.42520 (81022524)
367294.59	3778830.50	1.29427	(81122824)	367339.47	3778830.50	1.50359 (81011124)
367384.38	3778830.50	1.56492	(81011124)	367429.25	3778830.50	1.34572 (81011124)
367474.16	3778830.50	1.05658	(81011124)			

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**MODELOPTs: PAGE 46

CONC URBAN ELEV FLGPOL NOCALM

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***

INCLUDING SOURCE(S): L0001386, L0001387, L0001388, L0001389, L0001390, L0001391, L0001392,
L0001393, L0001394, L0001395, L0001396, L0001397, L0001398, L0001399, L0001400, L0001401, L0001402, L0001403, L0001404,
L0001405, L0001415, L0001416, L0001417, L0001418, L0001419, L0001420, L0001421, L0001422, L0001423, L0001424, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
367102.00	3778573.50	16.52107	(81092324)	367074.28	3778586.75	19.12337 (81051424)
367054.13	3778592.75	20.78675	(81051424)	367022.38	3778598.75	24.84384 (81100324)
367030.97	3778595.25	24.30502	(81100324)	367041.53	3778596.25	22.47055 (81100324)
366980.06	3778608.25	22.37202	(81100324)	366976.53	3778598.25	25.05222 (81010524)
366973.53	3778587.25	27.52148	(81010524)	366970.00	3778576.00	30.22560 (81010524)
366898.44	3778533.75	17.92713	(81010524)	366907.91	3778446.25	10.69257 (81081624)
366857.25	3778344.25	2.77282	(81100124)	366966.03	3778565.75	31.31699 (81010524)
366960.75	3778555.50	31.65063	(81010524)	366902.63	3778541.75	20.13259 (81010524)
366911.75	3778456.25	11.89709	(81081624)	366857.97	3778339.50	2.48868 (81100124)
366576.34	3777968.75	0.23195	(81112224)	366621.25	3777968.75	0.30816 (81112224)
366666.13	3777968.75	0.39203	(81112224)	366711.03	3777968.75	0.47236 (81112224)
366755.91	3777968.75	0.53151	(81112224)	366800.81	3777968.75	0.57379 (81111524)
366845.69	3777968.75	0.58305	(81111524)	366890.59	3777968.75	0.52315 (81111524)
366935.47	3777968.75	0.60421	(81020724)	366980.38	3777968.75	0.74655 (81111424)
367025.25	3777968.75	1.20453	(81111424)	367070.13	3777968.75	1.44174 (81111424)
367115.03	3777968.75	1.38581	(81031824)	367159.91	3777968.75	2.52258 (81010724)
367204.81	3777968.75	3.51674	(81010724)	367249.69	3777968.75	3.40442 (81010124)
367294.59	3777968.75	3.93201	(81010124)	367339.47	3777968.75	3.88538 (81010124)
367384.38	3777968.75	3.60587	(81010124)	367429.25	3777968.75	3.41618 (81112024)

```
 367474.16  3777968.75     3.03250  (81112024)    366576.34  3778016.75     0.19177  (81112224)
 366621.25  3778016.75     0.27274  (81112224)    366666.13  3778016.75     0.37277  (81112224)
 366711.03  3778016.75     0.48411  (81112224)    366755.91  3778016.75     0.58834  (81112224)
 366800.81  3778016.75     0.65675  (81112224)    366845.69  3778016.75     0.70966  (81111524)
 366890.59  3778016.75     0.68279  (81111524)    366935.47  3778016.75     0.67059  (81020724)
 366980.38  3778016.75     0.83821  (81020724)    367025.25  3778016.75     1.38814  (81111424)
 367070.13  3778016.75     1.71175  (81111424)    367115.03  3778016.75     1.83140  (81031824)
 367159.91  3778016.75     3.31061  (81010724)    367204.81  3778016.75     4.10040  (81010724)
 367249.69  3778016.75     4.36326  (81010124)    367294.59  3778016.75     4.71164  (81010124)
 367339.47  3778016.75     4.47159  (81010124)    367384.38  3778016.75     4.00294  (81112024)
 367429.25  3778016.75     3.65756  (81112024)    367474.16  3778016.75     3.76341  (81122524)
 366576.34  3778064.50     0.20373  (81012624)    366621.25  3778064.50     0.23232  (81012624)
 366666.13  3778064.50     0.32648  (81112224)    366711.03  3778064.50     0.46182  (81112224)
 366755.91  3778064.50     0.61399  (81112224)    366800.81  3778064.50     0.75160  (81112224)
 366845.69  3778064.50     0.83704  (81111524)    366890.59  3778064.50     0.88044  (81111524)
 366935.47  3778064.50     0.77592  (81111524)    366980.38  3778064.50     0.99417  (81020724)
 367025.25  3778064.50     1.61593  (81111424)    367070.13  3778064.50     2.06809  (81111424)
 367115.03  3778064.50     2.45177  (81031824)    367159.91  3778064.50     4.29350  (81010724)
 367204.81  3778064.50     4.61866  (81010724)    367249.69  3778064.50     5.56188  (81010124)
 367294.59  3778064.50     5.63545  (81010124)    367339.47  3778064.50     5.01127  (81010124)
 367384.38  3778064.50     4.47162  (81112024)    367429.25  3778064.50     4.49972  (81122524)
 *** ISCST3 - VERSION 02035 ***   *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc      ***
05/15/06
                    ***                                    ***      17:42:49
**MODELOPTs:                                                          PAGE  47
CONC              URBAN ELEV  FLGPOL                NOCALM

                  *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
PHASE2   ***
                     INCLUDING SOURCE(S):     L0001386, L0001387, L0001388, L0001389, L0001390, L0001391,
L0001392,
      L0001393, L0001394, L0001395, L0001396, L0001397, L0001398, L0001399, L0001400, L0001401, L0001402,
L0001403, L0001404,
      L0001405, L0001415, L0001416, L0001417, L0001418, L0001419, L0001420, L0001421, L0001422, L0001423,
L0001424,  . . . ,

                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                              ** CONC OF PM      IN MICROGRAMS/M**3                **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
-----------------------------------------------------------------------------------------------
 367474.16  3778064.50     5.36449  (81011824)    366576.34  3778112.50     0.21177  (81012624)
 366621.25  3778112.50     0.25041  (81012624)    366666.13  3778112.50     0.29247  (81012624)
 366711.03  3778112.50     0.39780  (81112224)    366755.91  3778112.50     0.58773  (81112224)
 366800.81  3778112.50     0.80369  (81112224)    366845.69  3778112.50     0.99034  (81112224)
 366890.59  3778112.50     1.10778  (81111524)    366935.47  3778112.50     1.08305  (81111524)
 366980.38  3778112.50     1.18266  (81020724)    367025.25  3778112.50     1.90616  (81111424)
 367070.13  3778112.50     2.55832  (81111424)    367115.03  3778112.50     3.36786  (81010724)
 367159.91  3778112.50     5.45464  (81010724)    367204.81  3778112.50     6.20872  (81010124)
 367249.69  3778112.50     7.09672  (81010124)    367294.59  3778112.50     6.54287  (81010124)
 367339.47  3778112.50     5.55286  (81112024)    367384.38  3778112.50     5.71877  (81011824)
 367429.25  3778112.50     6.72106  (81011824)    367474.16  3778112.50     6.96125  (81011824)
 366576.34  3778160.25     0.20908  (81012624)    366621.25  3778160.25     0.25647  (81012624)
 366666.13  3778160.25     0.31275  (81012624)    366711.03  3778160.25     0.37703  (81012624)
 366755.91  3778160.25     0.49552  (81112224)    366800.81  3778160.25     0.77512  (81112224)
 366845.69  3778160.25     1.09468  (81112224)    366890.59  3778160.25     1.35607  (81112224)
 366935.47  3778160.25     1.48963  (81111524)    366980.38  3778160.25     1.39715  (81020724)
 367025.25  3778160.25     2.27926  (81111424)    367070.13  3778160.25     3.25220  (81111424)
 367115.03  3778160.25     4.99184  (81010724)    367159.91  3778160.25     6.68009  (81010724)
 367204.81  3778160.25     8.66490  (81010124)    367249.69  3778160.25     8.76637  (81010124)
 367294.59  3778160.25     7.01053  (81112024)    367339.47  3778160.25     7.54323  (81011824)
 367384.38  3778160.25     8.35134  (81011824)    367429.25  3778160.25     8.50105  (81011824)
 367474.16  3778160.25     7.53096  (81011824)    366576.34  3778208.25     0.32723  (81100124)
 366621.25  3778208.25     0.30168  (81071924)    366666.13  3778208.25     0.31274  (81012624)
 366711.03  3778208.25     0.39737  (81012624)    366755.91  3778208.25     0.50021  (81012624)
 366800.81  3778208.25     0.63237  (81112224)    366845.69  3778208.25     1.06481  (81112224)
 366890.59  3778208.25     1.58367  (81112224)    366935.47  3778208.25     1.96497  (81111524)
 366980.38  3778208.25     1.99420  (81111524)    367025.25  3778208.25     2.77625  (81111424)
 367070.13  3778208.25     4.29668  (81111424)    367115.03  3778208.25     7.32961  (81010724)
 367159.91  3778208.25    10.01635  (81010124)    367204.81  3778208.25    11.80692  (81010124)
 367249.69  3778208.25     9.81168  (81010124)    367294.59  3778208.25    10.34226  (81011824)
 367339.47  3778208.25    11.18216  (81011824)    367384.38  3778208.25    10.25163  (81011824)
 367429.25  3778208.25     8.73042  (81011824)    367474.16  3778208.25     6.53313  (81011824)
 366576.34  3778256.00     0.69002  (81100124)    366621.25  3778256.00     0.65699  (81100124)
 366666.13  3778256.00     0.59853  (81100124)    366711.03  3778256.00     0.51150  (81100124)
 366755.91  3778256.00     0.52531  (81071924)    366800.81  3778256.00     0.68541  (81012624)
 367070.13  3778256.00     5.96561  (81111424)    367115.03  3778256.00    10.48503  (81010124)
 367159.91  3778256.00    15.69197  (81010124)    367204.81  3778256.00    14.36271  (81010124)
 367249.69  3778256.00    14.80061  (81011824)    367294.59  3778256.00    14.88393  (81011824)
 367339.47  3778256.00    13.04626  (81011824)    367384.38  3778256.00    10.04215  (81011824)
 367429.25  3778256.00     6.78571  (81112124)    367474.16  3778256.00     5.91242  (81112124)
 *** ISCST3 - VERSION 02035 ***   *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc      ***
05/15/06
                    ***                                    ***      17:42:49
**MODELOPTs:                                                          PAGE  48
CONC              URBAN ELEV  FLGPOL                NOCALM

                  *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
PHASE2   ***
                     INCLUDING SOURCE(S):     L0001386, L0001387, L0001388, L0001389, L0001390, L0001391,
L0001392,
      L0001393, L0001394, L0001395, L0001396, L0001397, L0001398, L0001399, L0001400, L0001401, L0001402,
L0001403, L0001404,
      L0001405, L0001415, L0001416, L0001417, L0001418, L0001419, L0001420, L0001421, L0001422, L0001423,
L0001424,  . . . ,

                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                              ** CONC OF PM      IN MICROGRAMS/M**3                **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
-----------------------------------------------------------------------------------------------
 366576.34  3778304.00     1.15463  (81100124)    366621.25  3778304.00     1.22197  (81100124)
 366666.13  3778304.00     1.27235  (81100124)    366711.03  3778304.00     1.29147  (81100124)
 366755.91  3778304.00     1.25919  (81100124)    366800.81  3778304.00     1.15097  (81100124)
 367070.13  3778304.00    10.24060  (81010724)    367115.03  3778304.00    21.33212  (81010124)
 367159.91  3778304.00    21.39736  (81010124)    367204.81  3778304.00    22.38541  (81011824)
 367249.69  3778304.00    20.39864  (81011824)    367294.59  3778304.00    16.61084  (81011824)
 367339.47  3778304.00    11.79276  (81011824)    367384.38  3778304.00     8.20306  (81112124)
 367429.25  3778304.00     6.56930  (81122424)    367474.16  3778304.00     7.14335  (81122424)
 366576.34  3778351.75     1.50653  (81100124)    366621.25  3778351.75     1.71055  (81100124)
 366666.13  3778351.75     1.94786  (81100124)    366711.03  3778351.75     2.22103  (81100124)
 366755.91  3778351.75     2.52753  (81100124)    366800.81  3778351.75     2.85552  (81100124)
 366845.69  3778351.75     3.17035  (81100124)    367115.03  3778351.75    41.23952  (81011824)
 367159.91  3778351.75    36.36735  (81011824)    367204.81  3778351.75    29.59107  (81011824)
 367249.69  3778351.75    22.28860  (81011824)    367294.59  3778351.75    14.64017  (81011724)
 367339.47  3778351.75    12.82761  (81122424)    367384.38  3778351.75    11.61024  (81122424)
 367429.25  3778351.75    10.22435  (81122424)    367474.16  3778351.75     9.63928  (81122424)
 366576.34  3778399.75     1.52448  (81100124)    366621.25  3778399.75     1.79026  (81100124)
 366666.13  3778399.75     2.12939  (81100124)    366711.03  3778399.75     2.57088  (81100124)
 366755.91  3778399.75     3.15734  (81100124)    366800.81  3778399.75     3.95804  (81100124)
 366845.69  3778399.75     5.07018  (81100124)    367159.91  3778399.75    50.26055  (81011724)
 367204.81  3778399.75    35.11486  (81011724)    367249.69  3778399.75    23.65451  (81122424)
 367294.59  3778399.75    19.58655  (81122424)    367339.47  3778399.75    16.10035  (81122424)
 367384.38  3778399.75    12.57905  (81122424)    367429.25  3778399.75     8.91709  (81122424)
 367474.16  3778399.75     8.14431  (81122424)    366576.34  3778447.50     1.19157  (81100124)
 366621.25  3778447.50     1.39515  (81100124)    366666.13  3778447.50     1.65662  (81100124)
 366711.03  3778447.50     2.03143  (81081624)    366755.91  3778447.50     2.71615  (81081624)
 366800.81  3778447.50     3.79346  (81081624)    366845.69  3778447.50     5.59963  (81081624)
 366890.59  3778447.50     8.86669  (81081624)    367159.91  3778447.50    78.98701  (81011724)
 367204.81  3778447.50    43.13319  (81012424)    367249.69  3778447.50    28.93786  (81012424)
 367294.59  3778447.50    21.23987  (81012424)    367339.47  3778447.50    16.03962  (81012424)
 367384.38  3778447.50    11.83584  (81012424)    367429.25  3778447.50     8.04635  (81012424)
 367474.16  3778447.50     8.30330  (81012424)    366576.34  3778495.50     1.35433  (81081624)
 366621.25  3778495.50     1.69459  (81081624)    366666.13  3778495.50     2.16514  (81081624)
 366711.03  3778495.50     2.83383  (81081624)    366755.91  3778495.50     3.80539  (81081624)
 366800.81  3778495.50     5.24343  (81081624)    366845.69  3778495.50     7.37074  (81081624)
 366890.59  3778495.50    10.42116  (81081624)    367159.91  3778495.50    79.70770  (81011124)
 367204.81  3778495.50    38.70652  (81011624)    367249.69  3778495.50    23.46513  (81012424)
 367294.59  3778495.50    17.98717  (81012424)    367339.47  3778495.50    14.15658  (81012424)
 367384.38  3778495.50    10.44182  (81012424)    367429.25  3778495.50     7.56059  (81022324)
 367474.16  3778495.50     7.56247  (81012424)    366576.34  3778543.25     1.85934  (81112724)
 *** ISCST3 - VERSION 02035 ***   *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc      ***
05/15/06
                    ***                                    ***      17:42:49
**MODELOPTs:                                                          PAGE  49
CONC              URBAN ELEV  FLGPOL                NOCALM

                  *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
PHASE2   ***
                     INCLUDING SOURCE(S):     L0001386, L0001387, L0001388, L0001389, L0001390, L0001391,
L0001392,
      L0001393, L0001394, L0001395, L0001396, L0001397, L0001398, L0001399, L0001400, L0001401, L0001402,
L0001403, L0001404,
      L0001405, L0001415, L0001416, L0001417, L0001418, L0001419, L0001420, L0001421, L0001422, L0001423,
L0001424,  . . . ,

                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                              ** CONC OF PM      IN MICROGRAMS/M**3                **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
-----------------------------------------------------------------------------------------------
 366621.25  3778543.25     2.28469  (81112724)    366666.13  3778543.25     2.82244  (81112724)
 366711.03  3778543.25     3.50349  (81112724)    366755.91  3778543.25     4.35349  (81112724)
 366800.81  3778543.25     5.52121  (81081624)    366845.69  3778543.25     8.75923  (81010524)
 366890.59  3778543.25    17.46228  (81010524)    366935.47  3778543.25    28.36524  (81010524)
 367159.91  3778543.25    41.98346  (81011124)    367204.81  3778543.25    32.88845  (81011124)
 367249.69  3778543.25    25.22975  (81011624)    367294.59  3778543.25    17.66662  (81011624)
 367339.47  3778543.25    11.45352  (81110124)    367384.38  3778543.25     8.11096  (81110124)
 367429.25  3778543.25     6.36446  (81020624)    367474.16  3778543.25     6.61702  (81020624)
 366576.34  3778591.25     2.07448  (81112724)    366621.25  3778591.25     2.57228  (81112624)
 366666.13  3778591.25     3.18388  (81112624)    366711.03  3778591.25     3.79489  (81112624)
 366755.91  3778591.25     4.37602  (81010524)    366800.81  3778591.25     7.80961  (81010524)
 366845.69  3778591.25    13.57704  (81010524)    366890.59  3778591.25    20.42826  (81010524)
 366935.47  3778591.25    25.56728  (81010524)    366980.38  3778591.25    26.72705  (81010524)
 367070.13  3778591.25    20.14003  (81051424)    367115.03  3778591.25    14.08069  (81092324)
 367159.91  3778591.25    16.35423  (81090624)    367204.81  3778591.25    22.55847  (81011124)
 367249.69  3778591.25    19.25508  (81011124)    367294.59  3778591.25    13.60121  (81011624)
 367339.47  3778591.25    11.68882  (81011624)    367384.38  3778591.25     8.04925  (81011624)
 367429.25  3778591.25     6.48358  (81011624)    367474.16  3778591.25     6.10301  (81110124)
 366576.34  3778639.00     2.13237  (81112624)    366621.25  3778639.00     2.86611  (81112624)
 366666.13  3778639.00     3.12025  (81112624)    366711.03  3778639.00     4.18552  (81010524)
 366755.91  3778639.00     6.89041  (81010524)    366800.81  3778639.00    10.91541  (81010524)
 366845.69  3778639.00    15.35606  (81010524)    366890.59  3778639.00    18.43402  (81010524)
 366935.47  3778639.00    18.70732  (81010524)    366980.38  3778639.00    18.51163  (81100324)
 367025.25  3778639.00    17.61088  (81100324)    367070.13  3778639.00    15.56879  (81051424)
 367115.03  3778639.00    10.88842  (81092324)    367159.91  3778639.00    11.86434  (81090624)
 367204.81  3778639.00    11.27473  (81022524)    367249.69  3778639.00    13.31187  (81011124)
 367294.59  3778639.00    11.00863  (81011124)    367339.47  3778639.00     7.01757  (81111224)
 367384.38  3778639.00     6.80050  (81011624)    367429.25  3778639.00     7.57890  (81011624)
 367474.16  3778639.00     7.14994  (81011624)    366576.34  3778687.00     1.91931  (81112624)
 366621.25  3778687.00     2.52004  (81010524)    366666.13  3778687.00     3.94112  (81010524)
 366711.03  3778687.00     6.10318  (81010524)    366755.91  3778687.00     9.02942  (81010524)
 366800.81  3778687.00    12.07021  (81010524)    366845.69  3778687.00    14.01491  (81010524)
 366890.59  3778687.00    13.79082  (81010524)    366935.47  3778687.00    12.88025  (81100324)
 366980.38  3778687.00    13.43864  (81100324)    367025.25  3778687.00    12.70515  (81051424)
 367070.13  3778687.00    11.86001  (81051424)    367115.03  3778687.00     8.37144  (81092324)
 367159.91  3778687.00     8.24551  (81090624)    367204.81  3778687.00     7.16665  (81090624)
 367249.69  3778687.00     6.12614  (81111424)    367294.59  3778687.00     6.88300  (81011124)
 367339.47  3778687.00     6.18950  (81011124)    367384.38  3778687.00     4.84782  (81011124)
 367429.25  3778687.00     5.47947  (81111224)    367474.16  3778687.00     6.22746  (81011624)
 366576.34  3778734.75     2.22736  (81010524)    366621.25  3778734.75     3.46671  (81010524)
 *** ISCST3 - VERSION 02035 ***   *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc      ***
05/15/06
                    ***                                    ***      17:42:49
**MODELOPTs:                                                          PAGE  50
CONC              URBAN ELEV  FLGPOL                NOCALM

                  *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
PHASE2   ***
                     INCLUDING SOURCE(S):     L0001386, L0001387, L0001388, L0001389, L0001390, L0001391,
L0001392,
      L0001393, L0001394, L0001395, L0001396, L0001397, L0001398, L0001399, L0001400, L0001401, L0001402,
L0001403, L0001404,
      L0001405, L0001415, L0001416, L0001417, L0001418, L0001419, L0001420, L0001421, L0001422, L0001423,
L0001424,  . . . ,

                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                              ** CONC OF PM      IN MICROGRAMS/M**3                **

    X-COORD (M)  Y-COORD (M)       CONC     (YYMMDDHH)          X-COORD (M)  Y-COORD (M)       CONC
(YYMMDDHH)
-----------------------------------------------------------------------------------------------
 366666.13  3778734.75     5.26928  (81010524)    366711.03  3778734.75     7.60965  (81010524)
 366755.91  3778734.75     9.79204  (81010524)    366800.81  3778734.75    11.07637  (81010524)
 366845.69  3778734.75    10.69021  (81010524)    366890.59  3778734.75     9.18120  (81100324)
 366935.47  3778734.75    10.30138  (81100324)    366980.38  3778734.75     9.79194  (81100324)
 367025.25  3778734.75    10.38195  (81051424)    367070.13  3778734.75     9.51056  (81051424)
 367115.03  3778734.75     6.52528  (81092324)    367159.91  3778734.75     5.97886  (81090624)
 367204.81  3778734.75     5.70995  (81090624)    367249.69  3778734.75     3.99751  (81111424)
 367294.59  3778734.75     4.47341  (81011124)    367339.47  3778734.75     5.68719  (81011124)
 367384.38  3778734.75     5.52749  (81011124)    367429.25  3778734.75     4.40967  (81011124)
 367474.16  3778734.75     4.81517  (81111224)    366576.34  3778782.75     2.95896  (81010524)
 366621.25  3778782.75     4.36999  (81010524)    366666.13  3778782.75     6.14296  (81010524)
 366711.03  3778782.75     7.77862  (81010524)    366755.91  3778782.75     8.69653  (81010524)
 366800.81  3778782.75     8.59226  (81010524)    366845.69  3778782.75     6.79870  (81010524)
 366890.59  3778782.75     7.79056  (81100324)    366935.47  3778782.75     7.82314  (81100324)
 366980.38  3778782.75     7.11052  (81051424)    367025.25  3778782.75     8.37152  (81051424)
```

367070.13	3778782.75	7.24708 (81051424)	367115.03	3778782.75	5.16026 (81052924)
367159.91	3778782.75	4.85993 (81092324)	367204.81	3778782.75	4.83703 (81090624)
367249.69	3778782.75	3.75756 (81090624)	367294.59	3778782.75	3.54313 (81022524)
367339.47	3778782.75	4.06058 (81011124)	367384.38	3778782.75	4.65651 (81011124)
367429.25	3778782.75	4.71641 (81011124)	367474.16	3778782.75	4.26570 (81011124)
366576.34	3778830.50	3.56737 (81010524)	366621.25	3778830.50	4.72057 (81010524)
366666.13	3778830.50	5.70560 (81010524)	366711.03	3778830.50	6.31484 (81010524)
366755.91	3778830.50	6.83760 (81010524)	366800.81	3778830.50	5.70194 (81010524)
366845.69	3778830.50	6.04469 (81100324)	366890.59	3778830.50	6.29170 (81100324)
366935.47	3778830.50	5.68819 (81100324)	366980.38	3778830.50	6.11068 (81051424)
367025.25	3778830.50	6.78285 (81051424)	367070.13	3778830.50	6.04686 (81051424)
367115.03	3778830.50	4.27254 (81052924)	367159.91	3778830.50	4.04105 (81092324)
367204.81	3778830.50	4.09047 (81090624)	367249.69	3778830.50	3.65792 (81090624)
367294.59	3778830.50	2.81087 (81122224)	367339.47	3778830.50	3.09070 (81022524)
367384.38	3778830.50	3.24719 (81011124)	367429.25	3778830.50	3.61643 (81011124)
367474.16	3778830.50	3.96985 (81011124)			

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**MODELOPTS: PAGE 51

CONC URBAN ELEV FLGPOL NOCALM

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3 ***

INCLUDING SOURCE(S): L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349,
L0001350, L0001351, L0001352, L0001353, L0001354, L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361,
L0001362, L0001363, L0001364, L0001365, L0001366, L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
367102.00	3778573.50	2.29383 (81101624)	367074.28	3778586.75	3.01174 (81092324)
367054.13	3778592.75	4.19196 (81051424)	367022.38	3778598.75	5.21985 (81051424)
367030.97	3778595.25	5.48426 (81051424)	367041.53	3778596.25	5.01302 (81051424)
366980.06	3778608.25	3.91859 (81051424)	366976.53	3778598.25	4.09334 (81051424)
366973.53	3778587.25	4.27795 (81051424)	366970.00	3778576.00	4.48607 (81051424)
366898.44	3778533.75	4.68373 (81100324)	366907.91	3778446.25	10.57959 (81010524)
366857.25	3778344.25	1.96724 (81081624)	366966.03	3778565.75	4.55200 (81051424)
366960.75	3778555.50	4.52117 (81051424)	366902.63	3778541.75	4.60413 (81100324)
366911.75	3778456.25	10.62849 (81010524)	366857.97	3778339.50	1.90285 (81081624)
366576.34	3777968.75	0.05517 (81112224)	366621.25	3777968.75	0.07710 (81112224)
366666.13	3777968.75	0.10373 (81112224)	366711.03	3777968.75	0.13269 (81112224)
366755.91	3777968.75	0.15847 (81112224)	366800.81	3777968.75	0.17729 (81111524)
366845.69	3777968.75	0.18537 (81111524)	366890.59	3777968.75	0.17059 (81020724)
366935.47	3777968.75	0.22780 (81020724)	366980.38	3777968.75	0.40157 (81111424)
367025.25	3777968.75	0.49428 (81111424)	367070.13	3777968.75	0.70097 (81031824)
367115.03	3777968.75	1.24319 (81010724)	367159.91	3777968.75	1.25884 (81010124)
367204.81	3777968.75	1.32438 (81010124)	367249.69	3777968.75	1.21317 (81010124)
367294.59	3777968.75	1.14146 (81112024)	367339.47	3777968.75	1.05267 (81122524)
367384.38	3777968.75	1.16133 (81011824)	367429.25	3777968.75	1.31839 (81011824)
367474.16	3777968.75	1.30119 (81011824)	366576.34	3778016.75	0.05486 (81012624)
366621.25	3778016.75	0.06508 (81112224)	366666.13	3778016.75	0.09412 (81112224)
366711.03	3778016.75	0.13056 (81112224)	366755.91	3778016.75	0.17075 (81112224)
366800.81	3778016.75	0.20598 (81112224)	366845.69	3778016.75	0.23260 (81111524)
366890.59	3778016.75	0.23013 (81111524)	366935.47	3778016.75	0.27241 (81020724)
366980.38	3778016.75	0.47701 (81111424)	367025.25	3778016.75	0.62684 (81111424)
367070.13	3778016.75	0.98563 (81031824)	367115.03	3778016.75	1.59144 (81010724)
367159.91	3778016.75	1.70284 (81010124)	367204.81	3778016.75	1.61818 (81010124)
367249.69	3778016.75	1.46429 (81112024)	367294.59	3778016.75	1.32335 (81122524)
367339.47	3778016.75	1.51976 (81011824)	367384.38	3778016.75	1.65893 (81011824)
367429.25	3778016.75	1.54229 (81011824)	367474.16	3778016.75	1.28303 (81011824)
366576.34	3778064.50	0.05683 (81012624)	366621.25	3778064.50	0.06851 (81012624)
366666.13	3778064.50	0.08169 (81012624)	366711.03	3778064.50	0.11755 (81112224)
366755.91	3778064.50	0.16893 (81112224)	366800.81	3778064.50	0.22679 (81112224)
366845.69	3778064.50	0.27777 (81112224)	366890.59	3778064.50	0.31405 (81111524)
366935.47	3778064.50	0.32009 (81020724)	366980.38	3778064.50	0.56972 (81111424)
367025.25	3778064.50	0.82493 (81111424)	367070.13	3778064.50	1.52783 (81010724)
367115.03	3778064.50	1.93480 (81010124)	367159.91	3778064.50	2.26245 (81010124)
367204.81	3778064.50	1.96210 (81010124)	367249.69	3778064.50	1.73216 (81122524)
367294.59	3778064.50	2.06931 (81011824)	367339.47	3778064.50	2.11276 (81011824)
367384.38	3778064.50	1.80711 (81011824)	367429.25	3778064.50	1.39796 (81011824)

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**MODELOPTS: PAGE 52

CONC URBAN ELEV FLGPOL NOCALM

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3 ***

INCLUDING SOURCE(S): L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349,
L0001350, L0001351, L0001352, L0001353, L0001354, L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361,
L0001362, L0001363, L0001364, L0001365, L0001366, L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
367474.16	3778064.50	1.01265 (81011824)	366576.34	3778112.50	0.07354 (81100124)
366621.25	3778112.50	0.06953 (81012624)	366666.13	3778112.50	0.08692 (81012624)
366711.03	3778112.50	0.10777 (81012624)	366755.91	3778112.50	0.15094 (81112224)
366800.81	3778112.50	0.22453 (81112224)	366845.69	3778112.50	0.31396 (81112224)
366890.59	3778112.50	0.39633 (81111524)	366935.47	3778112.50	0.44322 (81111524)
366980.38	3778112.50	0.68051 (81111424)	367025.25	3778112.50	1.14707 (81111424)
367070.13	3778112.50	2.46694 (81010724)	367115.03	3778112.50	3.14717 (81010124)
367159.91	3778112.50	2.95603 (81010124)	367204.81	3778112.50	2.42367 (81122524)
367249.69	3778112.50	2.94580 (81011824)	367294.59	3778112.50	2.70931 (81011824)
367339.47	3778112.50	2.09086 (81011824)	367384.38	3778112.50	1.43890 (81011824)
367429.25	3778112.50	1.16258 (81112124)	367474.16	3778112.50	0.97201 (81112124)
366576.34	3778160.25	0.15355 (81100124)	366621.25	3778160.25	0.15114 (81100124)
366666.13	3778160.25	0.14462 (81100124)	366711.03	3778160.25	0.13188 (81100124)
366755.91	3778160.25	0.14591 (81012624)	366800.81	3778160.25	0.20210 (81112224)
366845.69	3778160.25	0.30834 (81112224)	366890.59	3778160.25	0.46590 (81112224)
366935.47	3778160.25	0.63983 (81111524)	366980.38	3778160.25	0.80031 (81111424)
367025.25	3778160.25	1.72607 (81111424)	367070.13	3778160.25	3.86715 (81010724)
367115.03	3778160.25	4.95980 (81010124)	367159.91	3778160.25	3.90558 (81011824)
367204.81	3778160.25	4.39138 (81011824)	367249.69	3778160.25	3.44336 (81011824)
367294.59	3778160.25	2.35095 (81011824)	367339.47	3778160.25	1.62697 (81112124)
367384.38	3778160.25	1.19694 (81112124)	367429.25	3778160.25	1.07982 (81122124)
367474.16	3778160.25	1.07644 (81122424)	366576.34	3778208.25	0.25118 (81100124)
366621.25	3778208.25	0.26999 (81100124)	366666.13	3778208.25	0.29015 (81100124)
366711.03	3778208.25	0.31179 (81100124)	366755.91	3778208.25	0.33323 (81100124)
366800.81	3778208.25	0.34575 (81100124)	366845.69	3778208.25	0.29251 (81112224)
366890.59	3778208.25	0.44921 (81112224)	366935.47	3778208.25	0.76376 (81112224)
366980.38	3778208.25	1.27918 (81111524)	367025.25	3778208.25	3.00167 (81111424)
367070.13	3778208.25	8.75322 (81010124)	367115.03	3778208.25	7.89312 (81011824)
367159.91	3778208.25	6.83047 (81011824)	367204.81	3778208.25	4.26030 (81011824)
367249.69	3778208.25	2.58070 (81011824)	367294.59	3778208.25	2.06692 (81122424)
367339.47	3778208.25	1.94968 (81122424)	367384.38	3778208.25	1.56768 (81122424)
367429.25	3778208.25	1.60368 (81122424)	367474.16	3778208.25	1.46590 (81122424)
366576.34	3778256.00	0.32653 (81100124)	366621.25	3778256.00	0.36814 (81100124)
366666.13	3778256.00	0.41741 (81100124)	366711.03	3778256.00	0.47833 (81100124)
366755.91	3778256.00	0.56005 (81100124)	366800.81	3778256.00	0.68344 (81100124)
367070.13	3778256.00	21.19667 (81011824)	367115.03	3778256.00	11.01411 (81011724)
367159.91	3778256.00	6.36484 (81122424)	367204.81	3778256.00	4.50201 (81122424)
367249.69	3778256.00	3.32493 (81122424)	367294.59	3778256.00	2.62537 (81122424)
367339.47	3778256.00	2.17864 (81122424)	367384.38	3778256.00	1.76599 (81122424)
367429.25	3778256.00	1.46416 (81122424)	367474.16	3778256.00	1.37234 (81122424)

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**MODELOPTS: PAGE 53

CONC URBAN ELEV FLGPOL NOCALM

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3 ***

INCLUDING SOURCE(S): L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349,
L0001350, L0001351, L0001352, L0001353, L0001354, L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361,
L0001362, L0001363, L0001364, L0001365, L0001366, L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
366576.34	3778304.00	0.34505 (81100124)	366621.25	3778304.00	0.40085 (81100124)
366666.13	3778304.00	0.46890 (81100124)	366711.03	3778304.00	0.55123 (81100124)
366755.91	3778304.00	0.64860 (81100124)	366800.81	3778304.00	0.75926 (81100124)
367070.13	3778304.00	20.22604 (81121824)	367115.03	3778304.00	12.06678 (81012424)
367159.91	3778304.00	6.93493 (81012424)	367204.81	3778304.00	4.51479 (81012424)
367249.69	3778304.00	3.22009 (81012424)	367294.59	3778304.00	2.45227 (81012424)
367339.47	3778304.00	1.95566 (81012424)	367384.38	3778304.00	1.42736 (81122424)
367429.25	3778304.00	1.15473 (81122424)	367474.16	3778304.00	1.15076 (81012424)
366576.34	3778351.75	0.29532 (81100124)	366621.25	3778351.75	0.35503 (81081624)
366666.13	3778351.75	0.46007 (81081624)	366711.03	3778351.75	0.61573 (81081624)
366755.91	3778351.75	0.85606 (81081624)	366800.81	3778351.75	1.24388 (81081624)
366845.69	3778351.75	1.87760 (81081624)	367115.03	3778351.75	8.99627 (81122424)
367159.91	3778351.75	5.37465 (81122424)	367204.81	3778351.75	3.51835 (81011424)
367249.69	3778351.75	2.77984 (81012424)	367294.59	3778351.75	2.39496 (81012424)
367339.47	3778351.75	2.05423 (81012424)	367384.38	3778351.75	1.64142 (81012424)
367429.25	3778351.75	1.34563 (81012424)	367474.16	3778351.75	1.30338 (81012424)
366576.34	3778399.75	0.38154 (81081624)	366621.25	3778399.75	0.48734 (81081624)
366666.13	3778399.75	0.63586 (81081624)	366711.03	3778399.75	0.84855 (81081624)
366755.91	3778399.75	1.15746 (81081624)	366800.81	3778399.75	1.61494 (81081624)
366845.69	3778399.75	2.29614 (81081624)	367159.91	3778399.75	4.33347 (81011124)
367204.81	3778399.75	3.09927 (81012424)	367249.69	3778399.75	2.38651 (81012424)
367294.59	3778399.75	1.94392 (81012424)	367339.47	3778399.75	1.65316 (81012424)
367384.38	3778399.75	1.39292 (81012424)	367429.25	3778399.75	1.13776 (81012424)
367474.16	3778399.75	1.12231 (81012424)	366576.34	3778447.50	0.48473 (81112724)
366621.25	3778447.50	0.59804 (81081624)	366666.13	3778447.50	0.75918 (81081624)
366711.03	3778447.50	0.97159 (81081624)	366755.91	3778447.50	1.25180 (81081624)
366800.81	3778447.50	2.07197 (81010524)	366845.69	3778447.50	4.33033 (81010524)
366890.59	3778447.50	8.54897 (81010524)	367159.91	3778447.50	3.54774 (81010924)
367204.81	3778447.50	2.73468 (81011124)	367249.69	3778447.50	2.09229 (81110124)
367294.59	3778447.50	1.75144 (81011624)	367339.47	3778447.50	1.33583 (81011624)
367384.38	3778447.50	1.08666 (81020624)	367429.25	3778447.50	0.92635 (81022324)
367474.16	3778447.50	0.89128 (81020624)	366576.34	3778495.50	0.54600 (81112624)
366621.25	3778495.50	0.67598 (81112624)	366666.13	3778495.50	0.80192 (81112624)
366711.03	3778495.50	1.03299 (81010524)	366755.91	3778495.50	1.87938 (81010524)
366800.81	3778495.50	3.42184 (81010524)	366845.69	3778495.50	5.71726 (81010524)
366890.59	3778495.50	7.46669 (81010524)	367159.91	3778495.50	2.83708 (81011124)
367204.81	3778495.50	2.39825 (81011124)	367249.69	3778495.50	1.94975 (81011124)
367294.59	3778495.50	1.61207 (81011624)	367339.47	3778495.50	1.37050 (81011624)
367384.38	3778495.50	1.08777 (81110124)	367429.25	3778495.50	0.85415 (81110124)
367474.16	3778495.50	0.76964 (81110124)	366576.34	3778543.25	0.58651 (81112624)

*** ISCST3 - VERSION 02035 *** *** C:\Documents and Settings\S.Silverman\Desktop\Buckley\PM10.isc *** 05/15/06

*** *** 17:42:49

**MODELOPTS: PAGE 54

CONC URBAN ELEV FLGPOL NOCALM

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3 ***

INCLUDING SOURCE(S): L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349,
L0001350, L0001351, L0001352, L0001353, L0001354, L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361,
L0001362, L0001363, L0001364, L0001365, L0001366, L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
366621.25	3778543.25	0.64608 (81112624)	366666.13	3778543.25	0.99147 (81010524)
366711.03	3778543.25	1.66615 (81010524)	366755.91	3778543.25	2.74385 (81010524)
366800.81	3778543.25	4.08848 (81010524)	366845.69	3778543.25	4.82980 (81010524)
366890.59	3778543.25	4.27916 (81100324)	366935.47	3778543.25	4.80861 (81100324)
367159.91	3778543.25	2.57848 (81011124)	367204.81	3778543.25	2.12697 (81011124)
367249.69	3778543.25	1.80541 (81011124)	367294.59	3778543.25	1.44829 (81011624)
367339.47	3778543.25	1.27486 (81011624)	367384.38	3778543.25	1.06313 (81011624)
367429.25	3778543.25	0.86075 (81011624)	367474.16	3778543.25	0.81819 (81011624)
366576.34	3778591.25	0.53904 (81010524)	366621.25	3778591.25	0.93292 (81010524)
366666.13	3778591.25	1.47585 (81010524)	366711.03	3778591.25	2.25092 (81010524)
366755.91	3778591.25	3.08580 (81010524)	366800.81	3778591.25	3.42480 (81010524)
366845.69	3778591.25	2.68911 (81010524)	366890.59	3778591.25	3.26783 (81100324)
366935.47	3778591.25	3.29573 (81100324)	366980.38	3778591.25	4.41881 (81051424)
367070.13	3778591.25	3.26554 (81092324)	367115.03	3778591.25	1.81531 (81101624)
367159.91	3778591.25	1.79502 (81011124)	367204.81	3778591.25	1.82974 (81011124)
367249.69	3778591.25	1.62346 (81011124)	367294.59	3778591.25	1.26798 (81011124)
367339.47	3778591.25	1.03168 (81011624)	367384.38	3778591.25	0.95854 (81011624)
367429.25	3778591.25	0.90016 (81011624)	367474.16	3778591.25	0.87513 (81011624)
366576.34	3778639.00	0.71944 (81010524)	366621.25	3778639.00	1.28975 (81010524)
366666.13	3778639.00	1.87750 (81010524)	366711.03	3778639.00	2.42374 (81010524)

366755.91 3778639.00 2.59809 (81010524) 366800.81 3778639.00 2.12673 (81010524)
366845.69 3778639.00 2.29074 (81100324) 366890.59 3778639.00 2.42440 (81100324)
366935.47 3778639.00 2.40445 (81100324) 366980.38 3778639.00 3.17653 (81051424)
367025.25 3778639.00 3.18861 (81051424) 367070.13 3778639.00 2.23852 (81092324)
367115.03 3778639.00 1.41694 (81090624) 367159.91 3778639.00 1.20427 (81011124)
367204.81 3778639.00 1.33046 (81011124) 367249.69 3778639.00 1.35158 (81011124)
367294.59 3778639.00 1.18772 (81011124) 367339.47 3778639.00 0.91072 (81011124)
367384.38 3778639.00 0.72474 (81011624) 367429.25 3778639.00 0.78102 (81011624)
367474.16 3778639.00 0.79790 (81011624) 366576.34 3778687.00 0.93164 (81010524)
366621.25 3778687.00 1.44675 (81010524) 366666.13 3778687.00 1.93269 (81010524)
366711.03 3778687.00 2.05294 (81010524) 366755.91 3778687.00 1.73586 (81010524)
366800.81 3778687.00 1.66491 (81100324) 366845.69 3778687.00 1.86027 (81100324)
366890.59 3778687.00 1.82446 (81100324) 366935.47 3778687.00 1.97974 (81051424)
366980.38 3778687.00 2.38484 (81051424) 367025.25 3778687.00 2.10096 (81051424)
367070.13 3778687.00 1.60972 (81092324) 367115.03 3778687.00 1.29015 (81090624)
367159.91 3778687.00 0.90428 (81090624) 367204.81 3778687.00 0.90960 (81011124)
367249.69 3778687.00 0.99500 (81011124) 367294.59 3778687.00 0.95301 (81011124)
367339.47 3778687.00 0.84783 (81011124) 367384.38 3778687.00 0.73023 (81011124)
367429.25 3778687.00 0.66071 (81011124) 367474.16 3778687.00 0.64020 (81111224)
366576.34 3778734.75 1.05601 (81010524) 366621.25 3778734.75 1.42608 (81010524)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3 ***

INCLUDING SOURCE(S): L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349,
L0001350, L0001351, L0001352, L0001353, L0001354, L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361,
L0001362, L0001363, L0001364, L0001365, L0001366, L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
366666.13	3778734.75	1.57548	(81010524)	366711.03	3778734.75	1.43810	(81010524)
366755.91	3778734.75	1.25014	(81100324)	366800.81	3778734.75	1.44745	(81100324)
366845.69	3778734.75	1.47736	(81100324)	366890.59	3778734.75	1.37584	(81100324)
366935.47	3778734.75	1.66943	(81051424)	366980.38	3778734.75	1.86640	(81051424)
367025.25	3778734.75	1.55158	(81051424)	367070.13	3778734.75	1.23394	(81092324)
367115.03	3778734.75	1.07285	(81090624)	367159.91	3778734.75	0.85928	(81090624)
367204.81	3778734.75	0.65752	(81111424)	367249.69	3778734.75	0.67283	(81011124)
367294.59	3778734.75	0.77134	(81011124)	367339.47	3778734.75	0.80054	(81011124)
367384.38	3778734.75	0.75669	(81011124)	367429.25	3778734.75	0.66784	(81011124)
367474.16	3778734.75	0.63416	(81011124)	366576.34	3778782.75	1.08440	(81010524)
366621.25	3778782.75	1.22002	(81010524)	366666.13	3778782.75	1.14570	(81010524)
366711.03	3778782.75	0.94839	(81100324)	366755.91	3778782.75	1.12250	(81100324)
366800.81	3778782.75	1.21045	(81100324)	366845.69	3778782.75	1.15381	(81100324)
366890.59	3778782.75	1.09517	(81081824)	366935.47	3778782.75	1.39277	(81051424)
366980.38	3778782.75	1.47709	(81051424)	367025.25	3778782.75	1.20314	(81051424)
367070.13	3778782.75	0.95604	(81092324)	367115.03	3778782.75	0.84461	(81090624)
367159.91	3778782.75	0.79197	(81090624)	367204.81	3778782.75	0.59963	(81090624)
367249.69	3778782.75	0.53665	(81022524)	367294.59	3778782.75	0.58387	(81011124)
367339.47	3778782.75	0.67224	(81011124)	367384.38	3778782.75	0.67880	(81011124)
367429.25	3778782.75	0.66440	(81011124)	367474.16	3778782.75	0.64066	(81011124)
366576.34	3778830.50	0.94479	(81010524)	366621.25	3778830.50	0.89924	(81010524)
366666.13	3778830.50	0.74270	(81010524)	366711.03	3778830.50	0.87069	(81100324)
366755.91	3778830.50	0.98307	(81100324)	366800.81	3778830.50	0.98616	(81100324)
366845.69	3778830.50	0.91314	(81081824)	366890.59	3778830.50	0.96635	(81051424)
366935.47	3778830.50	1.14338	(81051424)	366980.38	3778830.50	1.19276	(81051424)
367025.25	3778830.50	0.96470	(81051424)	367070.13	3778830.50	0.78541	(81122924)
367115.03	3778830.50	0.68078	(81092324)	367159.91	3778830.50	0.69532	(81090624)
367204.81	3778830.50	0.58918	(81090624)	367249.69	3778830.50	0.46478	(81122224)
367294.59	3778830.50	0.48919	(81022524)	367339.47	3778830.50	0.50666	(81011124)
367384.38	3778830.50	0.55755	(81011124)	367429.25	3778830.50	0.56248	(81011124)
367474.16	3778830.50	0.58217	(81011124)				

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3BC ***

INCLUDING SOURCE(S): L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349,
L0001350, L0001351, L0001352, L0001353, L0001354, L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361,
L0001362, L0001363, L0001364, L0001365, L0001366, L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
367102.00	3778573.50	1.51037	(81090624)	367074.28	3778586.75	1.76305	(81090624)
367054.13	3778592.75	1.92222	(81092324)	367022.38	3778598.75	2.26175	(81052924)
367030.97	3778595.25	2.10021	(81052924)	367041.53	3778596.25	1.98095	(81092324)
366980.06	3778608.25	2.97233	(81051424)	366976.53	3778598.25	3.21558	(81051424)
366973.53	3778587.25	3.47951	(81051424)	366970.00	3778576.00	3.79314	(81051424)
366898.44	3778533.75	4.66747	(81100324)	366907.91	3778446.25	10.57807	(81010524)
366857.25	3778344.25	1.96508	(81081624)	366966.03	3778565.75	4.02133	(81051424)
366960.75	3778555.50	4.17720	(81051424)	366902.63	3778541.75	4.57016	(81100324)
366911.75	3778456.25	10.62532	(81010524)	366857.97	3778339.50	1.90101	(81081624)
366576.34	3777968.75	0.04819	(81112224)	366621.25	3777968.75	0.06929	(81112224)
366666.13	3777968.75	0.09550	(81112224)	366711.03	3777968.75	0.12461	(81112224)
366755.91	3777968.75	0.15120	(81112224)	366800.81	3777968.75	0.16965	(81111524)
366845.69	3777968.75	0.17933	(81111524)	366890.59	3777968.75	0.16021	(81020724)
366935.47	3777968.75	0.21680	(81020724)	366980.38	3777968.75	0.38086	(81111424)
367025.25	3777968.75	0.47139	(81111424)	367070.13	3777968.75	0.68129	(81031824)
367115.03	3777968.75	1.20875	(81010724)	367159.91	3777968.75	1.23420	(81010124)
367204.81	3777968.75	1.27829	(81010124)	367249.69	3777968.75	1.15195	(81010124)
367294.59	3777968.75	1.11817	(81112024)	367339.47	3777968.75	1.04308	(81122524)
367384.38	3777968.75	1.14766	(81011824)	367429.25	3777968.75	1.29942	(81011824)
367474.16	3777968.75	1.27522	(81011824)	366576.34	3778016.75	0.05167	(81012624)
366621.25	3778016.75	0.06034	(81012624)	366666.13	3778016.75	0.08481	(81112224)
366711.03	3778016.75	0.12089	(81112224)	366755.91	3778016.75	0.16156	(81112224)
366800.81	3778016.75	0.19815	(81112224)	366845.69	3778016.75	0.22463	(81111524)
366890.59	3778016.75	0.22447	(81111524)	366935.47	3778016.75	0.25953	(81020724)
366980.38	3778016.75	0.45339	(81111424)	367025.25	3778016.75	0.60030	(81111424)
367070.13	3778016.75	0.96033	(81031824)	367115.03	3778016.75	1.54612	(81010724)
367159.91	3778016.75	1.66681	(81010124)	367204.81	3778016.75	1.55732	(81010124)
367249.69	3778016.75	1.44517	(81112024)	367294.59	3778016.75	1.31522	(81122524)
367339.47	3778016.75	1.50526	(81011824)	367384.38	3778016.75	1.63790	(81011824)
367429.25	3778016.75	1.51262	(81011824)	367474.16	3778016.75	1.24205	(81011824)
366576.34	3778064.50	0.05304	(81012624)	366621.25	3778064.50	0.06460	(81012624)
366666.13	3778064.50	0.07779	(81012624)	366711.03	3778064.50	0.10626	(81112224)
366755.91	3778064.50	0.15748	(81112224)	366800.81	3778064.50	0.21642	(81112224)
366845.69	3778064.50	0.26962	(81112224)	366890.59	3778064.50	0.30623	(81111524)
366935.47	3778064.50	0.30488	(81020724)	366980.38	3778064.50	0.54254	(81111424)
367025.25	3778064.50	0.79375	(81111424)	367070.13	3778064.50	1.50168	(81010724)
367115.03	3778064.50	1.91286	(81010124)	367159.91	3778064.50	2.21024	(81010124)
367204.81	3778064.50	1.91634	(81112024)	367249.69	3778064.50	1.72579	(81122524)
367294.59	3778064.50	2.05414	(81011824)	367339.47	3778064.50	2.08948	(81011824)
367384.38	3778064.50	1.77294	(81011824)	367429.25	3778064.50	1.34952	(81011824)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3BC ***

INCLUDING SOURCE(S): L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349,
L0001350, L0001351, L0001352, L0001353, L0001354, L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361,
L0001362, L0001363, L0001364, L0001365, L0001366, L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
367474.16	3778064.50	0.96132	(81112124)	366576.34	3778112.50	0.07353	(81100124)
366621.25	3778112.50	0.06543	(81071924)	366666.13	3778112.50	0.08203	(81012624)
366711.03	3778112.50	0.10292	(81012624)	366755.91	3778112.50	0.13703	(81112224)
366800.81	3778112.50	0.21093	(81112224)	366845.69	3778112.50	0.30251	(81112224)
366890.59	3778112.50	0.38599	(81112224)	366935.47	3778112.50	0.43633	(81111524)
366980.38	3778112.50	0.64888	(81111424)	367025.25	3778112.50	1.10982	(81111424)
367070.13	3778112.50	2.42965	(81010724)	367115.03	3778112.50	3.11167	(81010124)
367159.91	3778112.50	2.88124	(81010124)	367204.81	3778112.50	2.41917	(81122524)
367249.69	3778112.50	2.93026	(81011824)	367294.59	3778112.50	2.68345	(81011824)
367339.47	3778112.50	2.05091	(81011824)	367384.38	3778112.50	1.38042	(81011824)
367429.25	3778112.50	1.15124	(81112124)	367474.16	3778112.50	0.95433	(81112124)
366576.34	3778160.25	0.15347	(81100124)	366621.25	3778160.25	0.15111	(81100124)
366666.13	3778160.25	0.14461	(81100124)	366711.03	3778160.25	0.13188	(81100124)
366755.91	3778160.25	0.13973	(81012624)	366800.81	3778160.25	0.18469	(81112224)
366845.69	3778160.25	0.29232	(81112224)	366890.59	3778160.25	0.45387	(81112224)
366935.47	3778160.25	0.62953	(81111524)	366980.38	3778160.25	0.76306	(81111424)
367025.25	3778160.25	1.68070	(81111424)	367070.13	3778160.25	3.81293	(81010724)
367115.03	3778160.25	4.90226	(81010124)	367159.91	3778160.25	3.89921	(81011824)
367204.81	3778160.25	4.37609	(81011824)	367249.69	3778160.25	3.41487	(81011824)
367294.59	3778160.25	2.30373	(81011824)	367339.47	3778160.25	1.61838	(81112124)
367384.38	3778160.25	1.18139	(81112124)	367429.25	3778160.25	1.07139	(81122124)
367474.16	3778160.25	1.07596	(81122424)	366576.34	3778208.25	0.25080	(81100124)
366621.25	3778208.25	0.26982	(81100124)	366666.13	3778208.25	0.29009	(81100124)
366711.03	3778208.25	0.31178	(81100124)	366755.91	3778208.25	0.33323	(81100124)
366800.81	3778208.25	0.34575	(81100124)	366845.69	3778208.25	0.27589	(81100124)
366890.59	3778208.25	0.43082	(81112224)	366935.47	3778208.25	0.75236	(81112224)
366980.38	3778208.25	1.27127	(81111524)	367025.25	3778208.25	2.94497	(81111424)
367070.13	3778208.25	8.72276	(81010124)	367115.03	3778208.25	7.88880	(81011824)
367159.91	3778208.25	6.81637	(81011824)	367204.81	3778208.25	4.22920	(81011824)
367249.69	3778208.25	2.52376	(81011824)	367294.59	3778208.25	2.06685	(81122424)
367339.47	3778208.25	1.94947	(81122424)	367384.38	3778208.25	1.56719	(81122424)
367429.25	3778208.25	1.60266	(81122424)	367474.16	3778208.25	1.46396	(81122424)
366576.34	3778256.00	0.32497	(81100124)	366621.25	3778256.00	0.36720	(81100124)
366666.13	3778256.00	0.41695	(81100124)	366711.03	3778256.00	0.47815	(81100124)
366755.91	3778256.00	0.56001	(81100124)	366800.81	3778256.00	0.68343	(81100124)
367070.13	3778256.00	21.19461	(81011824)	367115.03	3778256.00	11.01285	(81011724)
367159.91	3778256.00	6.36484	(81122424)	367204.81	3778256.00	4.50198	(81122424)
367249.69	3778256.00	3.32479	(81122424)	367294.59	3778256.00	2.62492	(81122424)
367339.47	3778256.00	2.17751	(81122424)	367384.38	3778256.00	1.76349	(81122424)
367429.25	3778256.00	1.45930	(81122424)	367474.16	3778256.00	1.36393	(81122424)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3BC ***

INCLUDING SOURCE(S): L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349,
L0001350, L0001351, L0001352, L0001353, L0001354, L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361,
L0001362, L0001363, L0001364, L0001365, L0001366, L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
366576.34	3778304.00	0.33987	(81100124)	366621.25	3778304.00	0.39701	(81100124)
366666.13	3778304.00	0.46639	(81100124)	366711.03	3778304.00	0.54986	(81100124)
366755.91	3778304.00	0.64803	(81100124)	366800.81	3778304.00	0.75911	(81100124)
367070.13	3778304.00	20.22381	(81121824)	367115.03	3778304.00	12.05893	(81012424)
367159.91	3778304.00	6.91678	(81012424)	367204.81	3778304.00	4.48605	(81012424)
367249.69	3778304.00	3.18477	(81012424)	367294.59	3778304.00	2.41590	(81012424)
367339.47	3778304.00	1.92254	(81012424)	367384.38	3778304.00	1.41367	(81122424)
367429.25	3778304.00	1.13281	(81122424)	367474.16	3778304.00	1.13309	(81012424)
366576.34	3778351.75	0.28210	(81100124)	366621.25	3778351.75	0.34917	(81081624)
366666.13	3778351.75	0.45403	(81081624)	366711.03	3778351.75	0.60971	(81081624)
366755.91	3778351.75	0.85044	(81081624)	366800.81	3778351.75	1.23917	(81081624)
366845.69	3778351.75	1.87440	(81081624)	367115.03	3778351.75	8.99614	(81122424)
367159.91	3778351.75	5.37350	(81122424)	367204.81	3778351.75	3.51834	(81011424)
367249.69	3778351.75	2.72629	(81012424)	367294.59	3778351.75	2.34880	(81012424)
367339.47	3778351.75	2.01746	(81012424)	367384.38	3778351.75	1.61288	(81012424)
367429.25	3778351.75	1.32310	(81012424)	367474.16	3778351.75	1.28476	(81012424)
366576.34	3778399.75	0.37298	(81081624)	366621.25	3778399.75	0.47780	(81081624)
366666.13	3778399.75	0.62528	(81081624)	366711.03	3778399.75	0.83694	(81081624)
366755.91	3778399.75	1.14504	(81081624)	366800.81	3778399.75	1.60225	(81081624)
366845.69	3778399.75	2.28451	(81081624)	367159.91	3778399.75	4.28757	(81011124)
367204.81	3778399.75	3.01207	(81012424)	367249.69	3778399.75	2.31554	(81012424)
367294.59	3778399.75	1.90741	(81011424)	367339.47	3778399.75	1.60988	(81012424)
367384.38	3778399.75	1.35659	(81012424)	367429.25	3778399.75	1.10518	(81012424)
367474.16	3778399.75	1.09164	(81012424)	366576.34	3778447.50	0.48335	(81112724)
366621.25	3778447.50	0.59544	(81112724)	366666.13	3778447.50	0.74143	(81081624)

366711.03 3778447.50 0.95045 (81081624) 366755.91 3778447.50 1.22644 (81081624)
366800.81 3778447.50 2.07012 (81010524) 366845.69 3778447.50 4.32846 (81010524)
366890.59 3778447.50 8.54720 (81010524) 367159.91 3778447.50 3.47411 (81101424)
367204.81 3778447.50 2.68863 (81011124) 367249.69 3778447.50 2.09182 (81110124)
367294.59 3778447.50 1.74781 (81011624) 367339.47 3778447.50 1.33259 (81011624)
367384.38 3778447.50 1.07663 (81020624) 367429.25 3778447.50 0.91029 (81022324)
367474.16 3778447.50 0.88219 (81020624) 366576.34 3778495.50 0.54584 (81112624)
366621.25 3778495.50 0.67574 (81112624) 366666.13 3778495.50 0.80154 (81112624)
366711.03 3778495.50 1.02764 (81010524) 366755.91 3778495.50 1.87244 (81010524)
366800.81 3778495.50 3.41234 (81010524) 366845.69 3778495.50 5.70299 (81010524)
366890.59 3778495.50 7.44094 (81010524) 367159.91 3778495.50 2.69414 (81011124)
367204.81 3778495.50 2.31813 (81011624) 367249.69 3778495.50 1.90632 (81011624)
367294.59 3778495.50 1.60116 (81011624) 367339.47 3778495.50 1.36225 (81011624)
367384.38 3778495.50 1.08379 (81110124) 367429.25 3778495.50 0.85118 (81110124)
367474.16 3778495.50 0.76737 (81110124) 366576.34 3778543.25 0.58466 (81112624)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3BC ***

INCLUDING SOURCE(S): L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349,
L0001350, L0001351, L0001352, L0001353, L0001354, L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361,
L0001362, L0001363, L0001364, L0001365, L0001366, L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
366621.25	3778543.25	0.64303	(81112624)	366666.13	3778543.25	0.98230	(81010524)
366711.03	3778543.25	1.65334	(81010524)	366755.91	3778543.25	2.72451	(81010524)
366800.81	3778543.25	4.05573	(81010524)	366845.69	3778543.25	4.76379	(81010524)
366890.59	3778543.25	4.25897	(81100324)	366935.47	3778543.25	4.58842	(81100324)
367159.91	3778543.25	2.29346	(81011124)	367204.81	3778543.25	1.96945	(81011124)
367249.69	3778543.25	1.70507	(81011124)	367294.59	3778543.25	1.41564	(81011624)
367339.47	3778543.25	1.25402	(81011624)	367384.38	3778543.25	1.04878	(81011624)
367429.25	3778543.25	0.85029	(81011624)	367474.16	3778543.25	0.81026	(81011624)
366576.34	3778591.25	0.52995	(81010524)	366621.25	3778591.25	0.92051	(81010524)
366666.13	3778591.25	1.45799	(81010524)	366711.03	3778591.25	2.22337	(81010524)
366755.91	3778591.25	3.03934	(81010524)	366800.81	3778591.25	3.33606	(81010524)
366845.69	3778591.25	2.63568	(81100324)	366890.59	3778591.25	3.12798	(81100324)
366935.47	3778591.25	2.72878	(81081824)	366980.38	3778591.25	3.38668	(81051424)
367070.13	3778591.25	1.74920	(81090624)	367115.03	3778591.25	1.27133	(81090624)
367159.91	3778591.25	1.35509	(81011124)	367204.81	3778591.25	1.62624	(81011124)
367249.69	3778591.25	1.50486	(81011124)	367294.59	3778591.25	1.18996	(81011124)
367339.47	3778591.25	0.97213	(81011624)	367384.38	3778591.25	0.92238	(81011624)
367429.25	3778591.25	0.87662	(81011624)	367474.16	3778591.25	0.85890	(81011624)
366576.34	3778639.00	0.70437	(81010524)	366621.25	3778639.00	1.26801	(81010524)
366666.13	3778639.00	1.84445	(81010524)	366711.03	3778639.00	2.36999	(81010524)
366755.91	3778639.00	2.50204	(81010524)	366800.81	3778639.00	1.93386	(81010524)
366845.69	3778639.00	2.18846	(81100324)	366890.59	3778639.00	2.12330	(81100324)
366935.47	3778639.00	2.15073	(81051424)	366980.38	3778639.00	2.35882	(81051424)
367025.25	3778639.00	1.72797	(81052924)	367070.13	3778639.00	1.37373	(81092324)
367115.03	3778639.00	1.16761	(81090624)	367159.91	3778639.00	0.94010	(81022524)
367204.81	3778639.00	1.04468	(81011124)	367249.69	3778639.00	1.20231	(81011124)
367294.59	3778639.00	1.09539	(81011124)	367339.47	3778639.00	0.84730	(81011124)
367384.38	3778639.00	0.63558	(81011624)	367429.25	3778639.00	0.72436	(81011624)
367474.16	3778639.00	0.76113	(81011624)	366576.34	3778687.00	0.90716	(81010524)
366621.25	3778687.00	1.41041	(81010524)	366666.13	3778687.00	1.87579	(81010524)
366711.03	3778687.00	1.95687	(81010524)	366755.91	3778687.00	1.56162	(81010524)
366800.81	3778687.00	1.58462	(81100324)	366845.69	3778687.00	1.67296	(81100324)
366890.59	3778687.00	1.51018	(81081824)	366935.47	3778687.00	1.71501	(81051424)
366980.38	3778687.00	1.77351	(81051424)	367025.25	3778687.00	1.34234	(81052924)
367070.13	3778687.00	1.09110	(81092324)	367115.03	3778687.00	0.98952	(81090624)
367159.91	3778687.00	0.82251	(81090624)	367204.81	3778687.00	0.78065	(81022524)
367249.69	3778687.00	0.78877	(81011124)	367294.59	3778687.00	0.83833	(81011124)
367339.47	3778687.00	0.77383	(81011124)	367384.38	3778687.00	0.67707	(81011124)
367429.25	3778687.00	0.62055	(81011124)	367474.16	3778687.00	0.61512	(81111224)
366576.34	3778734.75	1.01856	(81010524)	366621.25	3778734.75	1.36880	(81010524)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE3BC ***

INCLUDING SOURCE(S): L0001343, L0001344, L0001345, L0001346, L0001347, L0001348, L0001349,
L0001350, L0001351, L0001352, L0001353, L0001354, L0001355, L0001356, L0001357, L0001358, L0001359, L0001360, L0001361,
L0001362, L0001363, L0001364, L0001365, L0001366, L0001367, L0001368, L0001369, L0001370, L0001371, L0001372, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
366666.13	3778734.75	1.48337	(81010524)	366711.03	3778734.75	1.28352	(81010524)
366755.91	3778734.75	1.18542	(81100324)	366800.81	3778734.75	1.31822	(81100324)
366845.69	3778734.75	1.24075	(81100324)	366890.59	3778734.75	1.18433	(81081824)
366935.47	3778734.75	1.41166	(81051424)	366980.38	3778734.75	1.42304	(81051424)
367025.25	3778734.75	1.08815	(81052924)	367070.13	3778734.75	0.89391	(81092324)
367115.03	3778734.75	0.80604	(81090624)	367159.91	3778734.75	0.73707	(81090624)
367204.81	3778734.75	0.55553	(81090624)	367249.69	3778734.75	0.51690	(81022524)
367294.59	3778734.75	0.61731	(81011124)	367339.47	3778734.75	0.70621	(81011124)
367384.38	3778734.75	0.69460	(81011124)	367429.25	3778734.75	0.62268	(81011124)
367474.16	3778734.75	0.59918	(81011124)	366576.34	3778782.75	1.02898	(81010524)
366621.25	3778782.75	1.13322	(81010524)	366666.13	3778782.75	1.00848	(81010524)
366711.03	3778782.75	0.89509	(81100324)	366755.91	3778782.75	1.02741	(81100324)
366800.81	3778782.75	1.05118	(81100324)	366845.69	3778782.75	0.95665	(81081824)
366890.59	3778782.75	0.96965	(81051424)	366935.47	3778782.75	1.16531	(81051424)
366980.38	3778782.75	1.15178	(81051424)	367025.25	3778782.75	0.89207	(81052924)
367070.13	3778782.75	0.72360	(81092324)	367115.03	3778782.75	0.63827	(81090624)
367159.91	3778782.75	0.65410	(81090624)	367204.81	3778782.75	0.54211	(81090624)
367249.69	3778782.75	0.45196	(81022524)	367294.59	3778782.75	0.46644	(81022524)
367339.47	3778782.75	0.54494	(81011124)	367384.38	3778782.75	0.59868	(81011124)
367429.25	3778782.75	0.61089	(81011124)	367474.16	3778782.75	0.60180	(81011124)
366576.34	3778830.50	0.86630	(81010524)	366621.25	3778830.50	0.77997	(81010524)
366666.13	3778830.50	0.68247	(81100324)	366711.03	3778830.50	0.79783	(81100324)
366755.91	3778830.50	0.86881	(81100324)	366800.81	3778830.50	0.82130	(81100324)
366845.69	3778830.50	0.80778	(81081824)	366890.59	3778830.50	0.84379	(81051424)
366935.47	3778830.50	0.95032	(81051424)	366980.38	3778830.50	0.94708	(81051424)
367025.25	3778830.50	0.74134	(81052924)	367070.13	3778830.50	0.61338	(81092324)
367115.03	3778830.50	0.54003	(81092324)	367159.91	3778830.50	0.56391	(81090624)
367204.81	3778830.50	0.51478	(81090624)	367249.69	3778830.50	0.40216	(81090624)
367294.59	3778830.50	0.42823	(81022524)	367339.47	3778830.50	0.40582	(81022524)
367384.38	3778830.50	0.45500	(81011124)	367429.25	3778830.50	0.49454	(81011124)
367474.16	3778830.50	0.53484	(81011124)				

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE GRID-ID
PHASE1	HIGH 1ST HIGH VALUE IS	19.53353	ON 81010524: AT (366935.47, 3778543.25, 262.50, 2.00)	DC NA
PHASE2	HIGH 1ST HIGH VALUE IS	79.70770	ON 81011124: AT (367159.91, 3778495.50, 280.60, 2.00)	DC NA
PHASE3	HIGH 1ST HIGH VALUE IS	21.19667	ON 81011824: AT (367070.13, 3778256.00, 278.20, 2.00)	DC NA
PHASE3BC	HIGH 1ST HIGH VALUE IS	21.19461	ON 81011824: AT (367070.13, 3778256.00, 278.20, 2.00)	DC NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

*** Message Summary : ISCST3 Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 887 Informational Message(s)

A Total of 887 Calm Hours Identified

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
RE W282 1395 CHK_EL:RecElev < SrcBase; See non-DFAULT HE>ZI option in MCB#9

****
*** ISCST3 Finishes Successfully ***
****

Appendix C-2

- SCAQMD Rule 403 (Fugitive Dust) Control Requirements

(Adopted May 7, 1976) (Amended November 6, 1992)
(Amended July 9, 1993) (Amended February 14, 1997)
(Amended December 11, 1998)(Amended April 2, 2004)
(Amended June 3, 2005)

RULE 403. FUGITIVE DUST

(a) Purpose

The purpose of this Rule is to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (man-made) fugitive dust sources by requiring actions to prevent, reduce or mitigate fugitive dust emissions.

(b) Applicability

The provisions of this Rule shall apply to any activity or man-made condition capable of generating fugitive dust.

(c) Definitions

(1) ACTIVE OPERATIONS means any source capable of generating fugitive dust, including, but not limited to, earth-moving activities, construction/demolition activities, disturbed surface area, or heavy- and light-duty vehicular movement.

(2) AGGREGATE-RELATED PLANTS are defined as facilities that produce and / or mix sand and gravel and crushed stone.

(3) AGRICULTURAL HANDBOOK means the region-specific guidance document that has been approved by the Governing Board or hereafter approved by the Executive Officer and the U.S. EPA. For the South Coast Air Basin, the Board-approved region-specific guidance document is the Rule 403 Agricultural Handbook dated December 1998. For the Coachella Valley, the Board-approved region-specific guidance document is the Rule 403 Coachella Valley Agricultural Handbook dated April 2, 2004.

(4) ANEMOMETERS are devices used to measure wind speed and direction in accordance with the performance standards, and maintenance and calibration criteria as contained in the most recent Rule 403 Implementation Handbook.

(5) BEST AVAILABLE CONTROL MEASURES means fugitive dust control actions that are set forth in Table 1 of this Rule.

(6) BULK MATERIAL is sand, gravel, soil, aggregate material less than two inches in length or diameter, and other organic or inorganic particulate matter.

(7) CEMENT MANUFACTURING FACILITY is any facility that has a cement kiln at the facility.

(8) CHEMICAL STABILIZERS are any non-toxic chemical dust suppressant which must not be used if prohibited for use by the Regional Water Quality Control Boards, the California Air Resources Board, the U.S. Environmental Protection Agency (U.S. EPA), or any applicable law, rule or regulation. The chemical stabilizers shall meet any specifications, criteria, or tests required by any federal, state, or local water agency. Unless otherwise indicated, the use of a non-toxic chemical stabilizer shall be of sufficient concentration and application frequency to maintain a stabilized surface.

(9) COMMERCIAL POULTRY RANCH means any building, structure, enclosure, or premises where more than 100 fowl are kept or maintained for the primary purpose of producing eggs or meat for sale or other distribution.

(10) CONFINED ANIMAL FACILITY means a source or group of sources of air pollution at an agricultural source for the raising of 3,360 or more fowl or 50 or more animals, including but not limited to, any structure, building, installation, farm, corral, coop, feed storage area, milking parlor, or system for the collection, storage, or distribution of solid and liquid manure; if domesticated animals, including horses, sheep, goats, swine, beef cattle, rabbits, chickens, turkeys, or ducks are corralled, penned, or otherwise caused to remain in restricted areas for commercial agricultural purposes and feeding is by means other than grazing.

(11) CONSTRUCTION/DEMOLITION ACTIVITIES means any on-site mechanical activities conducted in preparation of, or related to, the building, alteration, rehabilitation, demolition or improvement of property, including, but not limited to the following activities: grading, excavation, loading, crushing, cutting, planing, shaping or ground breaking.

(12) CONTRACTOR means any person who has a contractual arrangement to conduct an active operation for another person.

(13) DAIRY FARM is an operation on a property, or set of properties that are contiguous or separated only by a public right-of-way, that raises cows or

produces milk from cows for the purpose of making a profit or for a livelihood. Heifer and calf farms are dairy farms.

(14) DISTURBED SURFACE AREA means a portion of the earth's surface which has been physically moved, uncovered, destabilized, or otherwise modified from its undisturbed natural soil condition, thereby increasing the potential for emission of fugitive dust. This definition excludes those areas which have:

(A) been restored to a natural state, such that the vegetative ground cover and soil characteristics are similar to adjacent or nearby natural conditions;

(B) been paved or otherwise covered by a permanent structure; or

(C) sustained a vegetative ground cover of at least 70 percent of the native cover for a particular area for at least 30 days.

(15) DUST SUPPRESSANTS are water, hygroscopic materials, or non-toxic chemical stabilizers used as a treatment material to reduce fugitive dust emissions.

(16) EARTH-MOVING ACTIVITIES means the use of any equipment for any activity where soil is being moved or uncovered, and shall include, but not be limited to the following: grading, earth cutting and filling operations, loading or unloading of dirt or bulk materials, adding to or removing from open storage piles of bulk materials, landfill operations, weed abatement through disking, and soil mulching.

(17) DUST CONTROL SUPERVISOR means a person with the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance with all Rule 403 requirements at an active operation.

(18) FUGITIVE DUST means any solid particulate matter that becomes airborne, other than that emitted from an exhaust stack, directly or indirectly as a result of the activities of any person.

(19) HIGH WIND CONDITIONS means that instantaneous wind speeds exceed 25 miles per hour.

(20) INACTIVE DISTURBED SURFACE AREA means any disturbed surface area upon which active operations have not occurred or are not expected to occur for a period of 20 consecutive days.

(21) LARGE OPERATIONS means any active operations on property which contains 50 or more acres of disturbed surface area; or any earth-moving operation with a daily earth-moving or throughput volume of 3,850 cubic

meters (5,000 cubic yards) or more three times during the most recent 365-day period.

(22) OPEN STORAGE PILE is any accumulation of bulk material, which is not fully enclosed, covered or chemically stabilized, and which attains a height of three feet or more and a total surface area of 150 or more square feet.

(23) PARTICULATE MATTER means any material, except uncombined water, which exists in a finely divided form as a liquid or solid at standard conditions.

(24) PAVED ROAD means a public or private improved street, highway, alley, public way, or easement that is covered by typical roadway materials, but excluding access roadways that connect a facility with a public paved roadway and are not open to through traffic. Public paved roads are those open to public access and that are owned by any federal, state, county, municipal or any other governmental or quasi-governmental agencies. Private paved roads are any paved roads not defined as public.

(25) PM_{10} means particulate matter with an aerodynamic diameter smaller than or equal to 10 microns as measured by the applicable State and Federal reference test methods.

(26) PROPERTY LINE means the boundaries of an area in which either a person causing the emission or a person allowing the emission has the legal use or possession of the property. Where such property is divided into one or more sub-tenancies, the property line(s) shall refer to the boundaries dividing the areas of all sub-tenancies.

(27) RULE 403 IMPLEMENTATION HANDBOOK means a guidance document that has been approved by the Governing Board on April 2, 2004 or hereafter approved by the Executive Officer and the U.S. EPA.

(28) SERVICE ROADS are paved or unpaved roads that are used by one or more public agencies for inspection or maintenance of infrastructure and which are not typically used for construction-related activity.

(29) SIMULTANEOUS SAMPLING means the operation of two PM_{10} samplers in such a manner that one sampler is started within five minutes of the other, and each sampler is operated for a consecutive period which must be not less than 290 minutes and not more than 310 minutes.

(30) SOUTH COAST AIR BASIN means the non-desert portions of Los Angeles, Riverside, and San Bernardino counties and all of Orange

County as defined in California Code of Regulations, Title 17, Section 60104. The area is bounded on the west by the Pacific Ocean, on the north and east by the San Gabriel, San Bernardino, and San Jacinto Mountains, and on the south by the San Diego county line.

(31) STABILIZED SURFACE means any previously disturbed surface area or open storage pile which, through the application of dust suppressants, shows visual or other evidence of surface crusting and is resistant to wind-driven fugitive dust and is demonstrated to be stabilized. Stabilization can be demonstrated by one or more of the applicable test methods contained in the Rule 403 Implementation Handbook.

(32) TRACK-OUT means any bulk material that adheres to and agglomerates on the exterior surface of motor vehicles, haul trucks, and equipment (including tires) that have been released onto a paved road and can be removed by a vacuum sweeper or a broom sweeper under normal operating conditions.

(33) TYPICAL ROADWAY MATERIALS means concrete, asphaltic concrete, recycled asphalt, asphalt, or any other material of equivalent performance as determined by the Executive Officer, and the U.S. EPA.

(34) UNPAVED ROADS means any unsealed or unpaved roads, equipment paths, or travel ways that are not covered by typical roadway materials. Public unpaved roads are any unpaved roadway owned by federal, state, county, municipal or other governmental or quasi-governmental agencies. Private unpaved roads are all other unpaved roadways not defined as public.

(35) VISIBLE ROADWAY DUST means any sand, soil, dirt, or other solid particulate matter which is visible upon paved road surfaces and which can be removed by a vacuum sweeper or a broom sweeper under normal operating conditions.

(36) WIND-DRIVEN FUGITIVE DUST means visible emissions from any disturbed surface area which is generated by wind action alone.

(37) WIND GUST is the maximum instantaneous wind speed as measured by an anemometer.

(d) Requirements

(1) No person shall cause or allow the emissions of fugitive dust from any active operation, open storage pile, or disturbed surface area such that:

(A) the dust remains visible in the atmosphere beyond the property line of the emission source; or

(B) the dust emission exceeds 20 percent opacity (as determined by the appropriate test method included in the Rule 403 Implementation Handbook), if the dust emission is the result of movement of a motorized vehicle.

(2) No person shall conduct active operations without utilizing the applicable best available control measures included in Table 1 of this Rule to minimize fugitive dust emissions from each fugitive dust source type within the active operation.

(3) No person shall cause or allow PM_{10} levels to exceed 50 micrograms per cubic meter when determined, by simultaneous sampling, as the difference between upwind and downwind samples collected on high-volume particulate matter samplers or other U.S. EPA-approved equivalent method for PM_{10} monitoring. If sampling is conducted, samplers shall be:

(A) Operated, maintained, and calibrated in accordance with 40 Code of Federal Regulations (CFR), Part 50, Appendix J, or appropriate U.S. EPA-published documents for U.S. EPA-approved equivalent method(s) for PM_{10}.

(B) Reasonably placed upwind and downwind of key activity areas and as close to the property line as feasible, such that other sources of fugitive dust between the sampler and the property line are minimized.

(4) No person shall allow track-out to extend 25 feet or more in cumulative length from the point of origin from an active operation. Notwithstanding the preceding, all track-out from an active operation shall be removed at the conclusion of each workday or evening shift.

(5) No person shall conduct an active operation with a disturbed surface area of five or more acres, or with a daily import or export of 100 cubic yards or more of bulk material without utilizing at least one of the measures listed in subparagraphs (d)(5)(A) through (d)(5)(E) at each vehicle egress from the site to a paved public road.

(A) Install a pad consisting of washed gravel (minimum-size: one inch) maintained in a clean condition to a depth of at least six inches and extending at least 30 feet wide and at least 50 feet long.

(B) Pave the surface extending at least 100 feet and at least 20 feet wide.

(C) Utilize a wheel shaker/wheel spreading device consisting of raised dividers (rails, pipe, or grates) at least 24 feet long and 10 feet wide to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.

(D) Install and utilize a wheel washing system to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.

(E) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the actions specified in subparagraphs (d)(5)(A) through (d)(5)(D).

(6) Beginning January 1, 2006, any person who operates or authorizes the operation of a confined animal facility subject to this Rule shall implement the applicable conservation management practices specified in Table 4 of this Rule.

(e) Additional Requirements for Large Operations

(1) Any person who conducts or authorizes the conducting of a large operation subject to this Rule shall implement the applicable actions specified in Table 2 of this Rule at all times and shall implement the applicable actions specified in Table 3 of this Rule when the applicable performance standards can not be met through use of Table 2 actions; and shall:

(A) submit a fully executed Large Operation Notification (Form 403 N) to the Executive Officer within 7 days of qualifying as a large operation;

(B) include, as part of the notification, the name(s), address(es), and phone number(s) of the person(s) responsible for the submittal, and a description of the operation(s), including a map depicting the location of the site;

(C) maintain daily records to document the specific dust control actions taken, maintain such records for a period of not less than three years; and make such records available to the Executive Officer upon request;

(D) install and maintain project signage with project contact signage that meets the minimum standards of the Rule 403 Implementation Handbook, prior to initiating any earthmoving activities;

(E) identify a dust control supervisor that:

(i) is employed by or contracted with the property owner or developer;

(ii) is on the site or available on-site within 30 minutes during working hours;

(iii) has the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance with all Rule requirements;

(iv) has completed the AQMD Fugitive Dust Control Class and has been issued a valid Certificate of Completion for the class; and

(F) notify the Executive Officer in writing within 30 days after the site no longer qualifies as a large operation as defined by paragraph (c)(18).

(2) Any Large Operation Notification submitted to the Executive Officer or AQMD-approved dust control plan shall be valid for a period of one year from the date of written acceptance by the Executive Officer. Any Large Operation Notification accepted pursuant to paragraph (e)(1), excluding those submitted by aggregate-related plants and cement manufacturing facilities must be resubmitted annually by the person who conducts or authorizes the conducting of a large operation, at least 30 days prior to the expiration date, or the submittal shall no longer be valid as of the expiration date. If all fugitive dust sources and corresponding control measures or special circumstances remain identical to those identified in the previously accepted submittal or in an AQMD-approved dust control plan, the resubmittal may be a simple statement of no-change (Form 403NC).

(f) Compliance Schedule

The newly amended provisions of this Rule shall become effective upon adoption. Pursuant to subdivision (e), any existing site that qualifies as a large operation will have 60 days from the date of Rule adoption to comply with the notification and recordkeeping requirements for large operations. Any Large Operation

Notification or AQMD-approved dust control plan which has been accepted prior to the date of adoption of these amendments shall remain in effect and the Large Operation Notification or AQMD-approved dust control plan annual resubmittal date shall be one year from adoption of this Rule amendment.

(g) Exemptions

(1) The provisions of this Rule shall not apply to:

(A) Dairy farms.

(B) Confined animal facilities provided that the combined disturbed surface area within one continuous property line is one acre or less.

(C) Agricultural vegetative crop operations provided that the combined disturbed surface area within one continuous property line and not separated by a paved public road is 10 acres or less.

(D) Agricultural vegetative crop operations within the South Coast Air Basin, whose combined disturbed surface area includes more than 10 acres provided that the person responsible for such operations:

(i) voluntarily implements the conservation management practices contained in the Rule 403 Agricultural Handbook;

(ii) completes and maintains the self-monitoring form documenting sufficient conservation management practices, as described in the Rule 403 Agricultural Handbook; and

(iii) makes the completed self-monitoring form available to the Executive Officer upon request.

(E) Agricultural vegetative crop operations outside the South Coast Air Basin whose combined disturbed surface area includes more than 10 acres provided that the person responsible for such operations:

(i) voluntarily implements the conservation management practices contained in the Rule 403 Coachella Valley Agricultural Handbook; and

(ii) completes and maintains the self-monitoring form documenting sufficient conservation management practices, as described in the Rule 403 Coachella Valley Agricultural Handbook; and

(iii) makes the completed self-monitoring form available to the Executive Officer upon request.

(F) Active operations conducted during emergency life-threatening situations, or in conjunction with any officially declared disaster or state of emergency.

(G) Active operations conducted by essential service utilities to provide electricity, natural gas, telephone, water and sewer during periods of service outages and emergency disruptions.

(H) Any contractor subsequent to the time the contract ends, provided that such contractor implemented the required control measures during the contractual period.

(I) Any grading contractor, for a phase of active operations, subsequent to the contractual completion of that phase of earth-moving activities, provided that the required control measures have been implemented during the entire phase of earth-moving activities, through and including five days after the final grading inspection.

(J) Weed abatement operations ordered by a county agricultural commissioner or any state, county, or municipal fire department, provided that:

(i) mowing, cutting or other similar process is used which maintains weed stubble at least three inches above the soil; and

(ii) any discing or similar operation which cuts into and disturbs the soil, where watering is used prior to initiation of these activities, and a determination is made by the agency issuing the weed abatement order that, due to fire hazard conditions, rocks, or other physical obstructions, it is not practical to meet the conditions specified in clause (g)(1)(H)(i). The provisions this clause shall not exempt the owner of any property from stabilizing, in accordance with paragraph (d)(2), disturbed surface areas which have been created as a result of the weed abatement actions.

(K) sandblasting operations.

(2) The provisions of paragraphs (d)(1) and (d)(3) shall not apply:

(A) When wind gusts exceed 25 miles per hour, provided that:

(i) The required Table 3 contingency measures in this Rule are implemented for each applicable fugitive dust source type, and;

(ii) records are maintained in accordance with subparagraph (e)(1)(C).

(B) To unpaved roads, provided such roads:

(i) are used solely for the maintenance of wind-generating equipment; or

(ii) are unpaved public alleys as defined in Rule 1186; or

(iii) are service roads that meet all of the following criteria:

(a) are less than 50 feet in width at all points along the road;

(b) are within 25 feet of the property line; and

(c) have a traffic volume less than 20 vehicle-trips per day.

(C) To any active operation, open storage pile, or disturbed surface area for which necessary fugitive dust preventive or mitigative actions are in conflict with the federal Endangered Species Act, as determined in writing by the State or federal agency responsible for making such determinations.

(3) The provisions of (d)(2) shall not apply to any aggregate-related plant or cement manufacturing facility that implements the applicable actions specified in Table 2 of this Rule at all times and shall implement the applicable actions specified in Table 3 of this Rule when the applicable performance standards of paragraphs (d)(1) and (d)(3) can not be met through use of Table 2 actions.

(4) The provisions of paragraphs (d)(1), (d)(2), and (d)(3) shall not apply to:

(A) Blasting operations which have been permitted by the California Division of Industrial Safety; and

(B) Motion picture, television, and video production activities when dust emissions are required for visual effects. In order to obtain this exemption, the Executive Officer must receive notification in writing at least 72 hours in advance of any such activity and no nuisance results from such activity.

(5) The provisions of paragraph (d)(3) shall not apply if the dust control actions, as specified in Table 2, are implemented on a routine basis for

each applicable fugitive dust source type. To qualify for this exemption, a person must maintain records in accordance with subparagraph (e)(1)(C).

(6) The provisions of paragraph (d)(4) shall not apply to earth coverings of public paved roadways where such coverings are approved by a local government agency for the protection of the roadway, and where such coverings are used as roadway crossings for haul vehicles provided that such roadway is closed to through traffic and visible roadway dust is removed within one day following the cessation of activities.

(7) The provisions of subdivision (e) shall not apply to:

(A) officially-designated public parks and recreational areas, including national parks, national monuments, national forests, state parks, state recreational areas, and county regional parks.

(B) any large operation which is required to submit a dust control plan to any city or county government which has adopted a District-approved dust control ordinance.

(C) any large operation subject to Rule 1158, which has an approved dust control plan pursuant to Rule 1158, provided that all sources of fugitive dust are included in the Rule 1158 plan.

(8) The provisions of subparagraph (e)(1)(A) through (e)(1)(C) shall not apply to any large operation with an AQMD-approved fugitive dust control plan provided that there is no change to the sources and controls as identified in the AQMD-approved fugitive dust control plan.

(h) Fees

Any person conducting active operations for which the Executive Officer conducts upwind/downwind monitoring for PM_{10} pursuant to paragraph (d)(3) shall be assessed applicable Ambient Air Analysis Fees pursuant to Rule 304.1. Applicable fees shall be waived for any facility which is exempted from paragraph (d)(3) or meets the requirements of paragraph (d)(3).

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Backfilling	01-1 Stabilize backfill material when not actively handling; and 01-2 Stabilize backfill material during handling; and 01-3 Stabilize soil at completion of activity.	✓ Mix backfill soil with water prior to moving ✓ Dedicate water truck or high capacity hose to backfilling equipment ✓ Empty loader bucket slowly so that no dust plumes are generated ✓ Minimize drop height from loader bucket
Clearing and grubbing	02-1 Maintain stability of soil through pre-watering of site prior to clearing and grubbing; and 02-2 Stabilize soil during clearing and grubbing activities; and 02-3 Stabilize soil immediately after clearing and grubbing activities.	✓ Maintain live perennial vegetation where possible ✓ Apply water in sufficient quantity to prevent generation of dust plumes
Clearing forms	03-1 Use water spray to clear forms; or 03-2 Use sweeping and water spray to clear forms; or 03-3 Use vacuum system to clear forms.	✓ Use of high pressure air to clear forms may cause exceedance of Rule requirements
Crushing	04-1 Stabilize surface soils prior to operation of support equipment; and 04-2 Stabilize material after crushing.	✓ Follow permit conditions for crushing equipment ✓ Pre-water material prior to loading into crusher ✓ Monitor crusher emissions opacity ✓ Apply water to crushed material to prevent dust plumes

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Cut and fill	05-1 Pre-water soils prior to cut and fill activities; and 05-2 Stabilize soil during and after cut and fill activities.	✓ For large sites, pre-water with sprinklers or water trucks and allow time for penetration ✓ Use water trucks/pulls to water soils to depth of cut prior to subsequent cuts
Demolition – mechanical/manual	06-1 Stabilize wind erodible surfaces to reduce dust; and 06-2 Stabilize surface soil where support equipment and vehicles will operate; and 06-3 Stabilize loose soil and demolition debris; and 06-4 Comply with AQMD Rule 1403.	✓ Apply water in sufficient quantities to prevent the generation of visible dust plumes
Disturbed soil	07-1 Stabilize disturbed soil throughout the construction site; and 07-2 Stabilize disturbed soil between structures	✓ Limit vehicular traffic and disturbances on soils where possible ✓ If interior block walls are planned, install as early as possible ✓ Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes
Earth-moving activities	08-1 Pre-apply water to depth of proposed cuts; and 08-2 Re-apply water as necessary to maintain soils in a damp condition and to ensure that visible emissions do not exceed 100 feet in any direction; and 08-3 Stabilize soils once earth-moving activities are complete.	✓ Grade each project phase separately, timed to coincide with construction phase ✓ Upwind fencing can prevent material movement on site ✓ Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Importing/exporting of bulk materials	09-1 Stabilize material while loading to reduce fugitive dust emissions; and 09-2 Maintain at least six inches of freeboard on haul vehicles; and 09-3 Stabilize material while transporting to reduce fugitive dust emissions; and 09-4 Stabilize material while unloading to reduce fugitive dust emissions; and 09-5 Comply with Vehicle Code Section 23114.	✓ Use tarps or other suitable enclosures on haul trucks ✓ Check belly-dump truck seals regularly and remove any trapped rocks to prevent spillage ✓ Comply with track-out prevention/mitigation requirements ✓ Provide water while loading and unloading to reduce visible dust plumes
Landscaping	10-1 Stabilize soils, materials, slopes	✓ Apply water to materials to stabilize ✓ Maintain materials in a crusted condition ✓ Maintain effective cover over materials ✓ Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slopes ✓ Hydroseed prior to rain season
Road shoulder maintenance	11-1 Apply water to unpaved shoulders prior to clearing; and 11-2 Apply chemical dust suppressants and/or washed gravel to maintain a stabilized surface after completing road shoulder maintenance.	✓ Installation of curbing and/or paving of road shoulders can reduce recurring maintenance costs ✓ Use of chemical dust suppressants can inhibit vegetation growth and reduce future road shoulder maintenance costs

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Screening	12-1 Pre-water material prior to screening; and 12-2 Limit fugitive dust emissions to opacity and plume length standards; and 12-3 Stabilize material immediately after screening.	✓ Dedicate water truck or high capacity hose to screening operation ✓ Drop material through the screen slowly and minimize drop height ✓ Install wind barrier with a porosity of no more than 50% upwind of screen to the height of the drop point
Staging areas	13-1 Stabilize staging areas during use; and 13-2 Stabilize staging area soils at project completion.	✓ Limit size of staging area ✓ Limit vehicle speeds to 15 miles per hour ✓ Limit number and size of staging area entrances/exists
Stockpiles/ Bulk Material Handling	14-1 Stabilize stockpiled materials. 14-2 Stockpiles within 100 yards of off-site occupied buildings must not be greater than eight feet in height; or must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.	✓ Add or remove material from the downwind portion of the storage pile ✓ Maintain storage piles to avoid steep sides or faces

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Traffic areas for construction activities	15-1 Stabilize all off-road traffic and parking areas; and 15-2 Stabilize all haul routes; and 15-3 Direct construction traffic over established haul routes.	✓ Apply gravel/paving to all haul routes as soon as possible to all future roadway areas ✓ Barriers can be used to ensure vehicles are only used on established parking areas/haul routes
Trenching	16-1 Stabilize surface soils where trencher or excavator and support equipment will operate; and 16-2 Stabilize soils at the completion of trenching activities.	✓ Pre-watering of soils prior to trenching is an effective preventive measure. For deep trenching activities, pre-trench to 18 inches soak soils via the pre-trench and resuming trenching ✓ Washing mud and soils from equipment at the conclusion of trenching activities can prevent crusting and drying of soil on equipment
Truck loading	17-1 Pre-water material prior to loading; and 17-2 Ensure that freeboard exceeds six inches (CVC 23114)	✓ Empty loader bucket such that no visible dust plumes are created ✓ Ensure that the loader bucket is close to the truck to minimize drop height while loading
Turf Overseeding	18-1 Apply sufficient water immediately prior to conducting turf vacuuming activities to meet opacity and plume length standards; and 18-2 Cover haul vehicles prior to exiting the site.	✓ Haul waste material immediately off-site

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure		Guidance
Unpaved roads/parking lots	19-1	Stabilize soils to meet the applicable performance standards; and	✓ Restricting vehicular access to established unpaved travel paths and parking lots can reduce stabilization requirements
	19-2	Limit vehicular travel to established unpaved roads (haul routes) and unpaved parking lots.	
Vacant land	20-1	In instances where vacant lots are 0.10 acre or larger and have a cumulative area of 500 square feet or more that are driven over and/or used by motor vehicles and/or off-road vehicles, prevent motor vehicle and/or off-road vehicle trespassing, parking and/or access by installing barriers, curbs, fences, gates, posts, signs, shrubs, trees or other effective control measures.	

Table 2
DUST CONTROL MEASURES FOR LARGE OPERATIONS

FUGITIVE DUST SOURCE CATEGORY		CONTROL ACTIONS
Earth-moving (except construction cutting and filling areas, and mining operations)	(1a)	Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations each subsequent four-hour period of active operations; OR
	(1a-1)	For any earth-moving which is more than 100 feet from all property lines, conduct watering as necessary to prevent visible dust emissions from exceeding 100 feet in length in any direction.
Earth-moving: Construction fill areas:	(1b)	Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. For areas which have an optimum moisture content for compaction of less than 12 percent, as determined by ASTM Method 1557 or other equivalent method approved by the Executive Officer and the California Air Resources Board and the U.S. EPA, complete the compaction process as expeditiously as possible after achieving at least 70 percent of the optimum soil moisture content. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations during each subsequent four-hour period of active operations.

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS	
Earth-moving: Construction cut areas and mining operations:	(1c)	Conduct watering as necessary to prevent visible emissions from extending more than 100 feet beyond the active cut or mining area unless the area is inaccessible to watering vehicles due to slope conditions or other safety factors.
Disturbed surface areas (except completed grading areas)	(2a/b)	Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface. Any areas which cannot be stabilized, as evidenced by wind driven fugitive dust must have an application of water at least twice per day to at least 80 percent of the unstabilized area.
Disturbed surface areas: Completed grading areas	(2c)	Apply chemical stabilizers within five working days of grading completion; OR
	(2d)	Take actions (3a) or (3c) specified for inactive disturbed surface areas.
Inactive disturbed surface areas	(3a)	Apply water to at least 80 percent of all inactive disturbed surface areas on a daily basis when there is evidence of wind driven fugitive dust, excluding any areas which are inaccessible to watering vehicles due to excessive slope or other safety conditions; OR
	(3b)	Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR
	(3c)	Establish a vegetative ground cover within 21 days after active operations have ceased. Ground cover must be of sufficient density to expose less than 30 percent of unstabilized ground within 90 days of planting, and at all times thereafter; OR
	(3d)	Utilize any combination of control actions (3a), (3b), and (3c) such that, in total, these actions apply to all inactive disturbed surface areas.

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS	
Unpaved Roads	(4a)	Water all roads used for any vehicular traffic at least once per every two hours of active operations [3 times per normal 8 hour work day]; OR
	(4b)	Water all roads used for any vehicular traffic once daily and restrict vehicle speeds to 15 miles per hour; OR
	(4c)	Apply a chemical stabilizer to all unpaved road surfaces in sufficient quantity and frequency to maintain a stabilized surface.
Open storage piles	(5a)	Apply chemical stabilizers; OR
	(5b)	Apply water to at least 80 percent of the surface area of all open storage piles on a daily basis when there is evidence of wind driven fugitive dust; OR
	(5c)	Install temporary coverings; OR
	(5d)	Install a three-sided enclosure with walls with no more than 50 percent porosity which extend, at a minimum, to the top of the pile. This option may only be used at aggregate-related plants or at cement manufacturing facilities.
All Categories	(6a)	Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 2 may be used.

TABLE 3
CONTINGENCY CONTROL MEASURES FOR LARGE OPERATIONS

FUGITIVE DUST SOURCE CATEGORY	CONTROL MEASURES
Earth-moving	(1A) Cease all active operations; OR (2A) Apply water to soil not more than 15 minutes prior to moving such soil.
Disturbed surface areas	(0B) On the last day of active operations prior to a weekend, holiday, or any other period when active operations will not occur for not more than four consecutive days: apply water with a mixture of chemical stabilizer diluted to not less than 1/20 of the concentration required to maintain a stabilized surface for a period of six months; OR (1B) Apply chemical stabilizers prior to wind event; OR (2B) Apply water to all unstabilized disturbed areas 3 times per day. If there is any evidence of wind driven fugitive dust, watering frequency is increased to a minimum of four times per day; OR (3B) Take the actions specified in Table 2, Item (3c); OR (4B) Utilize any combination of control actions (1B), (2B), and (3B) such that, in total, these actions apply to all disturbed surface areas.
Unpaved roads	(1C) Apply chemical stabilizers prior to wind event; OR (2C) Apply water twice per hour during active operation; OR (3C) Stop all vehicular traffic.
Open storage piles	(1D) Apply water twice per hour; OR (2D) Install temporary coverings.
Paved road track-out	(1E) Cover all haul vehicles; OR (2E) Comply with the vehicle freeboard requirements of Section 23114 of the California Vehicle Code for both public and private roads.
All Categories	(1F) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 3 may be used.

Table 4
(Conservation Management Practices for Confined Animal Facilities)

SOURCE CATEGORY	CONSERVATION MANAGEMENT PRACTICES
Manure Handling **(Only applicable to Commercial Poultry Ranches)**	(1a) Cover manure prior to removing material off-site; AND (1b) Spread the manure before 11:00 AM and when wind conditions are less than 25 miles per hour; AND (1c) Utilize coning and drying manure management by removing manure at laying hen houses at least twice per year and maintain a base of no less than 6 inches of dry manure after clean out; or in lieu of complying with conservation management practice (1c), comply with conservation management practice (1d). (1d) Utilize frequent manure removal by removing the manure from laying hen houses at least every seven days and immediately thin bed dry the material.
Feedstock Handling	(2a) Utilize a sock or boot on the feed truck auger when filling feed storage bins.
Disturbed Surfaces	(3a) Maintain at least 70 percent vegetative cover on vacant portions of the facility; OR (3b) Utilize conservation tillage practices to manage the amount, orientation and distribution of crop and other plant residues on the soil surface year-round, while growing crops (if applicable) in narrow slots or tilled strips; OR (3c) Apply dust suppressants in sufficient concentrations and frequencies to maintain a stabilized surface.
Unpaved Roads	(4a) Restrict access to private unpaved roads either through signage or physical access restrictions and control vehicular speeds to no more than 15 miles per hour through worker notifications, signage, or any other necessary means; OR (4b) Cover frequently traveled unpaved roads with low silt content material (i.e., asphalt, concrete, recycled road base, or gravel to a minimum depth of four inches); OR (4c) Treat unpaved roads with water, mulch, chemical dust suppressants or other cover to maintain a stabilized surface.
Equipment Parking Areas	(5a) Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR (5b) Apply material with low silt content (i.e., asphalt, concrete, recycled road base, or gravel to a depth of four inches).

Appendix C-3

- Operation Emissions Inventory
  - Regional Operation Emissions
    - Regional Emission Summary Sheet
    - Stationary Source Emissions
    - Area Source Emissions
    - URBEMIS2002 Output Files
  - Local Operation Emissions
    - LOS Analysis (Screening Criteria)
    - One-hour CO Summary Sheet
    - Eight-hour CO Summary Sheet
    - CALINE4 Output Files
    - EMFAC2002 Emission Rates

The Buckley School

Regional Emission Calculations (lbs/day)

	CO	NOx	PM10	ROC	SOx
Project					
Mobile	22	3	3	3	0
Stationary	0.5	2	0.1	0.1	0.2
Total Project	**23**	**5**	**3**	**3**	**0**
SCAQMD Significance Threshold	550	55	150	55	150
Difference	**(527)**	**(50)**	**(147)**	**(52)**	**(150)**
Significant?	**No**	**No**	**No**	**No**	**No**

Electricity Usage

Land Use	1,000 Sqft	Electricity Usage Rate [a] (kWh\sq.ft\yr)	Total Electricity Usage (KWh\year)	Total Electricity Usage (MWh\Day)	Emission Factors (lbs/MWh) [b] CO 0.2	ROC 0.01	NOx 1.15	PM10 0.04	SOx 0.12
Project									
High School	55.8	10.5	585,900	1.605	0.321	0.016	1.846	0.064	0.193
Total Project			**585,900**	**1.605**	**0.32**	**0.02**	**1.85**	**0.06**	**0.19**
Net Emissions From Electricity Usage					**0.32**	**0.02**	**1.85**	**0.06**	**0.19**

Natural Gas Usage

Land Use	1,000 Sqft	Natural Gas Usage Rate [c] (cu.ft\sq.ft\mo)	Total Natural Gas Usage (cu.ft\mo)	Total Natural Gas Usage (cu.ft\DAY)	Emission Factors (lbs/MCuft) [d] CO 40	ROC 7.26	NOx 100/94 [e]	PM10 0.18	SOx 0
Project									
High School	55.8	2.9	**161,820**	**5,394**	0.216	0.039	0.539	0.001	--
Total Project			**161,820**	**5,394**	**0.22**	**0.04**	**0.54**	**0.00**	--
Net Emissions From Natural Gas Usage					**0.22**	**0.04**	**0.54**	**0.00**	**--**

Summary of Stationary Emissions

	CO	ROC	NOx	PM10	SOx
Total Existing Emissions (lbs/day)	0.00	0.00	0.00	0.00	0.00
Total Project Emissions (lbs/day)	0.54	0.06	2.39	0.06	0.19
Total Net Emissions (lbs/day)	**0.54**	**0.06**	**2.39**	**0.06**	**0.19**

[a] Electricity Usage Rates from Table A9-11-A, CEQA Air Quality Handbook, SCAQMD, 1993.

[b] Emission Factors from Table A9-11-B, CEQA Air Quality Handbook, SCAQMD, 1993.

[c] Natural Gas Usage Rates from Table A9-12-A, CEQA Air Quality Handbook, SCAQMD, 1993.

[d] Emission Factors from URBEMIS2002 Version 8.7 (US EPA 1995)

[e] The emission factors for NOx in lbs per million cuft of natural gas are 100 for nonresidential uses and 94 for residential uses.

06/06/2005 11:05 AM

URBEMIS 2002 For Windows 8.7.0

File Name: V:\AQNOISE DIVISION\Active Projects\Buckley School\Air Quality Ops\Operations (Updated 060605).urb
Project Name: Buckley School (URBEMIS 8.7)
Project Location: South Coast Air Basin (Los Angeles area)
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Pounds/Day - Winter)

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
High school	1.99	3.16	22.11	0.02	2.98
TOTAL EMISSIONS (lbs/day)	1.99	3.16	22.11	0.02	2.98

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Temperature (F): 60 Season: Winter

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
High school		4.11 trips/1000 sq. ft.	80.00	328.80
		Sum of Total Trips		328.80
		Total Vehicle Miles Traveled		1,966.22

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Rural Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Trip Speeds (mph)	35.0	40.0	40.0	40.0	40.0	40.0
% of Trips - Residential	20.0	37.0	43.0			
% of Trips - Commercial (by land use)						
High school				10.0	5.0	85.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The natural gas option switch changed from on to off.
The hearth option switch changed from on to off.
The landscape option switch changed from on to off.
The consumer products option switch changed from on to off.
The arch. coatings option switch changed from on to off.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2010.
The operational winter temperature changed from 50 to 60.
The operational summer temperature changed from 90 to 85.
The operational summer selection item changed from 8 to 6.

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URBEMIS 2002 For Windows 8.7.0

File Name: V:\AQNOISE DIVISION\Active Projects\Buckley School\Air Quality Ops\Operations (Updated 060605).urb
Project Name: Buckley School (URBEMIS 8.7)
Project Location: South Coast Air Basin (Los Angeles area)
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES (Summer Pounds per Day, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.00	0.00	0.00	0	0.00
Hearth - No summer emissions					
Landscaping	0.00	0.00	0.00	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	0.00	-	-	-	-
TOTALS(lbs/day,unmitigated)	0.00	0.00	0.00	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
High school	2.13	2.72	20.81	0.02	2.98
TOTAL EMISSIONS (lbs/day)	2.13	2.72	20.81	0.02	2.98

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Temperature (F): 75 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
High school		4.11 trips/1000 sq. ft.	80.00	328.80
		Sum of Total Trips		328.80
		Total Vehicle Miles Traveled		1,966.22

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Rural Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Trip Speeds (mph)	35.0	40.0	40.0	40.0	40.0	40.0
% of Trips - Residential	20.0	37.0	43.0			

% of Trips - Commercial (by land use)

High school	10.0	5.0	85.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The natural gas option switch changed from on to off.
The hearth option switch changed from on to off.
The landscape option switch changed from on to off.
The consumer products option switch changed from on to off.
The arch. coatings option switch changed from on to off.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2010.
The operational winter temperature changed from 50 to 60.
The operational summer temperature changed from 90 to 75.
The operational summer selection item changed from 8 to 5.

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URBEMIS 2002 For Windows 8.7.0

File Name: V:\AQNOISE DIVISION\Active Projects\Buckley School\Air Quality Ops\Operations (Updated 060605).urb
Project Name: Buckley School (URBEMIS 8.7)
Project Location: South Coast Air Basin (Los Angeles area)
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Pounds/Day - Summer)

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
High school	2.55	2.51	23.48	0.02	2.98
TOTAL EMISSIONS (lbs/day)	2.55	2.51	23.48	0.02	2.98

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Temperature (F): 85 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
High school		4.11 trips/1000 sq. ft.	80.00	328.80
		Sum of Total Trips		328.80
		Total Vehicle Miles Traveled		1,966.22

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Rural Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Trip Speeds (mph)	35.0	40.0	40.0	40.0	40.0	40.0
% of Trips - Residential	20.0	37.0	43.0			
% of Trips - Commercial (by land use)						
High school				10.0	5.0	85.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The natural gas option switch changed from on to off.
The hearth option switch changed from on to off.
The landscape option switch changed from on to off.
The consumer products option switch changed from on to off.
The arch. coatings option switch changed from on to off.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2010.
The operational winter temperature changed from 50 to 60.
The operational summer temperature changed from 90 to 85.
The operational summer selection item changed from 8 to 6.

Buckley School
CO Hotspots Analysis
LOS Analysis (Screening)

No	Intersection	Peak Hour	Future No Project CMA	Future No Project LOS	Future With Project CMA	Future With Project LOS	V/C/ % Change	LOS >= C?	Analyze?
1	Ventura Boulevard and Van Nuys Boulevard	AM	1.253	F	1.258	F	0.4%	Yes	No
1	Ventura Boulevard and Van Nuys Boulevard	School PM	1.301	F	1.305	F	0.3%	Yes	No
1	Ventura Boulevard and Van Nuys Boulevard	PM	1.412	F	1.414	F	0.1%	Yes	No
2	Ventura Boulevard and Beverly Glen Boulevard/Tyrone Avenue	AM	0.802	D	0.809	D	0.9%	Yes	No
2	Ventura Boulevard and Beverly Glen Boulevard/Tyrone Avenue	School PM	0.989	E	0.993	E	0.4%	Yes	No
2	Ventura Boulevard and Beverly Glen Boulevard/Tyrone Avenue	PM	1.047	F	1.049	F	0.2%	Yes	No
3	Ventura Boulevard and Stansbury Avenue	AM	1.311	F	1.336	F	1.9%	Yes	No
3	Ventura Boulevard and Stansbury Avenue	School PM	1.113	F	1.130	F	1.5%	Yes	No
3	Ventura Boulevard and Stansbury Avenue	PM	1.197	F	1.205	F	0.7%	Yes	No
4	Ventura Boulevard and Hazeltine Avenue	AM	0.899	D	0.901	E	0.2%	Yes	No
4	Ventura Boulevard and Hazeltine Avenue	School PM	0.813	D	0.815	D	0.2%	Yes	No
4	Ventura Boulevard and Hazeltine Avenue	PM	0.865	D	0.866	D	0.1%	Yes	No
5	Ventura Boulevard and Woodman Avenue	AM	0.981	E	0.986	E	0.5%	Yes	No
5	Ventura Boulevard and Woodman Avenue	School PM	0.942	E	0.945	E	0.3%	Yes	No
5	Ventura Boulevard and Woodman Avenue	PM	1.068	F	1.070	F	0.2%	Yes	No
6	Valley Vista Boulevard and Van Nuys Boulevard	AM	0.732	C	0.733	C	0.1%	Yes	No
6	Valley Vista Boulevard and Van Nuys Boulevard	School PM	0.538	A	0.539	A	0.2%	No	No
6	Valley Vista Boulevard and Van Nuys Boulevard	PM	0.632	B	0.632	B	0.0%	No	No
7	Valley Vista Boulevard/Roblar Place and Beverly Glen Boulevard	AM	1.106	F	1.109	F	0.3%	Yes	No
7	Valley Vista Boulevard/Roblar Place and Beverly Glen Boulevard	School PM	0.767	C	0.769	C	0.3%	Yes	No
7	Valley Vista Boulevard/Roblar Place and Beverly Glen Boulevard	PM	0.787	C	0.789	C	0.3%	Yes	No
8	Valley Vista Boulevard (South) and Beverly Glen Boulevard	AM	1.043	F	1.058	F	1.4%	Yes	No
8	Valley Vista Boulevard (South) and Beverly Glen Boulevard	School PM	1.595	F	1.605	F	0.6%	Yes	No
8	Valley Vista Boulevard (South) and Beverly Glen Boulevard	PM	1.655	F	1.661	F	0.4%	Yes	No
9	Valley Vista Boulevard and Stansbury Avenue	AM	1.131	F	1.168	F	3.3%	Yes	Yes
9	Valley Vista Boulevard and Stansbury Avenue	School PM	0.590	A	0.616	B	4.4%	No	No
9	Valley Vista Boulevard and Stansbury Avenue	PM	0.584	A	0.594	A	1.7%	No	No
10	Valley Vista Boulevard and Benedict Canyon Drive	AM	0.360	A	0.367	A	1.9%	No	No
10	Valley Vista Boulevard and Benedict Canyon Drive	School PM	0.289	A	0.293	A	1.4%	No	No
10	Valley Vista Boulevard and Benedict Canyon Drive	PM	0.342	A	0.345	A	0.9%	No	No

Analysis required if both conditions are met:
1) LOS >= C
2) V/C Increase >= 2%

Buckley School

CALINE4 Modeling Results and Estimated Local 1-Hour Carbon Monoxide Concentrations (ppm)

Projected Background 1-Hour CO Concentrations (ppm) [a]

Monitoring Station: Burbank

Year	1-Hr Concentration
2014	6.6

Intersection and Receptor Locations	Future Without Project		Future With Project		
	Traffic CO Contribution [b]	Estimated Local CO Concentration [c]	Traffic CO Contribution [b]	Estimated Local CO Concentration [c]	Exceedance of Significance Threshold [d]
STANSBURY AVENUE AND VALLEY VISTA BOULEVARD AM					
NE	0.9	7.5	0.9	7.5	NO
SE	0.7	7.3	0.7	7.3	NO
SW	1.0	7.6	1.0	7.6	NO
NW	0.8	7.4	0.9	7.5	NO
STANSBURY AVENUE AND VALLEY VISTA BOULEVARD PM (School Peak Hour)					
NE	0.4	7.0	0.4	7.0	NO
SE	0.5	7.1	0.5	7.1	NO
SW	0.5	7.1	0.5	7.1	NO
NW	0.4	7.0	0.4	7.0	NO
STANSBURY AVENUE AND VALLEY VISTA BOULEVARD PM (Commuter Peak Hour)					
NE	0.5	7.1	0.5	7.1	NO
SE	0.5	7.1	0.5	7.1	NO
SW	0.5	7.1	0.5	7.1	NO
NW	0.5	7.1	0.5	7.1	NO

a Based on guidance provided by the AQMD Air Quality Analysis Guidance Handbook

b The 1-hour traffic contribution (ppm) is determined by inputing total traffic volumes into the CALINE4 model.

c The estimated local concentration is the traffic contribution + the background concentration.

d The California Ambient Air Quality Standard for 1-hour CO concentrations is 20 ppm.

Buckley School

CALINE4 Modeling Results and Estimated Local 8-Hour Carbon Monoxide Concentrations (ppm)

Projected Background 8-Hour CO Concentrations (ppm) [a]	
Monitoring Station: Burbank	Average Persistence Factor = 0.70
Year 2014 — 8-Hr Concentration 6.5	

Intersection and Receptor Locations	Future Without Project: Traffic CO Contribution [b]	Future Without Project: Estimated Local CO Concentration [c]	Future With Project: Traffic CO Contribution [b]	Future With Project: Estimated Local CO Concentration [c]	Exceedance of Significance Threshold [d]
STANSBURY AVENUE AND VALLEY VISTA BOULEVARD AM					
NE	0.4	6.9	0.4	6.9	NO
SE	0.4	6.9	0.4	6.9	NO
SW	0.4	6.9	0.4	6.9	NO
NW	0.4	6.9	0.4	6.9	NO
STANSBURY AVENUE AND VALLEY VISTA BOULEVARD PM (School Peak Hour)					
NE	0.2	6.7	0.2	6.7	NO
SE	0.2	6.7	0.2	6.7	NO
SW	0.2	6.7	0.2	6.7	NO
NW	0.2	6.7	0.2	6.7	NO
STANSBURY AVENUE AND VALLEY VISTA BOULEVARD PM (Commuter Peak Hour)					
NE	0.2	6.7	0.3	6.8	NO
SE	0.3	6.8	0.3	6.8	NO
SW	0.2	6.7	0.2	6.7	NO
NW	0.2	6.7	0.3	6.8	NO

a Based on guidance provided by the AQMD Air Quality Analysis Guidance Handbook.

b The persistence factor is calculated as recommended in Table B.15 in the Transportation Project-Level Carbon Monoxide Protocol (Institute of Transportation Studies, UC Davis, Revised 1997). This is a generalized persistence factor likely to provide a conservative estimate in most situations.

c The estimated local concentration is the traffic contribution + the background concentration.

d The California Ambient Air Quality Standard for 8-hour CO concentrations is 9 ppm.

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          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   1

                JOB:   SCHOOL AM STANSBURY AVENUE  AND VALLEY VISTA BOULEVARD NP
                RUN:                (WORST CASE ANGLE)
         POLLUTANT: Carbon Monoxide


  I.  SITE VARIABLES

          U=    .5 M/S            Z0= 100. CM           ALT=     0. (FT)
        BRG= WORST CASE            VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=    5. DEGREES       TEMP= 15.6 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (FT)  *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (FT)  (FT)
 ----------------*--------------------------*------------------------------
 A. NF           *     8 -1500     8  -500 *  AG    363   2.5     .0  35.0
 B. NA           *     8  -500     8     0 *  AG    275   4.4     .0  33.0
 C. ND           *     8     0     8   500 *  AG    224   2.8     .0  33.0
 D. NE           *     8   500     8  1500 *  AG    224   2.5     .0  35.0
 E. SF           *    -8  1500    -8   500 *  AG    605   2.5     .0  35.0
 F. SA           *    -8   500    -8     0 *  AG    568   4.9     .0  33.0
 G. SD           *    -8     0    -8  -500 *  AG    495   2.9     .0  33.0
 H. SE           *    -8  -500    -8 -1500 *  AG    495   2.5     .0  35.0
 I. WF           *  1500     8   500     8 *  AG    428   2.5     .0  35.0
 J. WA           *   500     8     0     8 *  AG    322   4.4     .0  33.0
 K. WD           *     0     8  -500     8 *  AG    658   3.3     .0  33.0
 L. WE           *  -500     8 -1500     8 *  AG    658   2.5     .0  35.0
 M. EF           * -1500    -8  -500    -8 *  AG    167   2.5     .0  35.0
 N. EA           *  -500    -8     0    -8 *  AG    157   4.2     .0  33.0
 O. ED           *     0    -8   500    -8 *  AG    186   2.8     .0  33.0
 P. EE           *   500    -8  1500    -8 *  AG    186   2.5     .0  35.0
 Q. NL           *     0     0     8  -500 *  AG     88   4.2     .0  33.0
 R. SL           *     0     0    -8   500 *  AG     37   4.2     .0  33.0
 S. WL           *     0     0   500     8 *  AG    106   4.2     .0  33.0
 T. EL           *     0     0  -500    -8 *  AG     10   4.2     .0  33.0

III.  RECEPTOR LOCATIONS

              *    COORDINATES (FT)
   RECEPTOR   *    X      Y      Z
 -------------*--------------------
 1. NE3       *     25     25   6.0
 2. SE3       *     25    -25   6.0
 3. SW3       *    -25    -25   6.0
 4. NW3       *    -25     25   6.0
 5. NE7       *     38     38   6.0
 6. SE7       *     38    -38   6.0
 7. SW7       *    -38    -38   6.0
 8. NW7       *    -38     38   6.0


  IV.  MODEL RESULTS (WORST CASE WIND ANGLE )

              *       * PRED  *                CONC/LINK
              *  BRG  * CONC  *                  (PPM)
   RECEPTOR   * (DEG) * (PPM) *   A    B    C    D    E    F    G    H
 -------------*-------*-------*-----------------------------------------
 1. NE3       *  266. *    .9 *   .0   .0   .0   .0   .0   .1   .0   .0
 2. SE3       *  355. *    .7 *   .0   .0   .1   .0   .0   .3   .0   .0
 3. SW3       *    4. *   1.0 *   .0   .0   .0   .0   .0   .6   .0   .0
 4. NW3       *  175. *    .8 *   .0   .1   .0   .0   .0   .0   .3   .0
 5. NE7       *  264. *    .6 *   .0   .0   .0   .0   .0   .1   .0   .0
 6. SE7       *  353. *    .5 *   .0   .0   .0   .0   .0   .2   .0   .0
 7. SW7       *    6. *    .6 *   .0   .0   .0   .0   .0   .3   .0   .0
 8. NW7       *  174. *    .6 *   .0   .0   .0   .0   .0   .0   .2   .0

  IV.  MODEL RESULTS (WORST CASE WIND ANGLE)     (CONT.)

              *                          CONC/LINK
              *                            (PPM)
   RECEPTOR   *   I    J    K    L    M    N    O    P    Q    R    S    T
 -------------*-------------------------------------------------------------
 1. NE3       *   .0   .0   .4   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. SE3       *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. SW3       *   .0   .0   .1   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. NW3       *   .0   .0   .2   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. NE7       *   .0   .0   .3   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. SE7       *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. SW7       *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. NW7       *   .0   .0   .1   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

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          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   1

                JOB:   SCHOOL AM STANSBURY AVENUE  AND VALLEY VISTA BOULEVARD WP
                RUN:                  (WORST CASE ANGLE)
         POLLUTANT: Carbon Monoxide


  I.  SITE VARIABLES

          U=    .5 M/S            Z0= 100. CM           ALT=     0. (FT)
        BRG= WORST CASE            VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=    5. DEGREES       TEMP= 15.6 DEGREE (C)


 II.  LINK VARIABLES

      LINK      *  LINK COORDINATES (FT)  *              EF     H     W
   DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (FT)  (FT)
----------------*--------------------------*------------------------------
A. NF           *     8 -1500     8  -500 *  AG    390   2.5     .0  35.0
B. NA           *     8  -500     8     0 *  AG    294   4.4     .0  33.0
C. ND           *     8     0     8   500 *  AG    238   2.8     .0  33.0
D. NE           *     8   500     8  1500 *  AG    238   2.5     .0  35.0
E. SF           *    -8  1500    -8   500 *  AG    626   2.5     .0  35.0
F. SA           *    -8   500    -8     0 *  AG    589   4.9     .0  33.0
G. SD           *    -8     0    -8  -500 *  AG    531   2.9     .0  33.0
H. SE           *    -8  -500    -8 -1500 *  AG    531   2.5     .0  35.0
I. WF           *  1500     8   500     8 *  AG    436   2.5     .0  35.0
J. WA           *   500     8     0     8 *  AG    322   4.4     .0  33.0
K. WD           *     0     8  -500     8 *  AG    666   3.3     .0  33.0
L. WE           *  -500     8 -1500     8 *  AG    666   2.5     .0  35.0
M. EF           * -1500    -8  -500    -8 *  AG    175   2.5     .0  35.0
N. EA           *  -500    -8     0    -8 *  AG    165   4.2     .0  33.0
O. ED           *     0    -8   500    -8 *  AG    192   2.8     .0  33.0
P. EE           *   500    -8  1500    -8 *  AG    192   2.5     .0  35.0
Q. NL           *     0     0     8  -500 *  AG     96   4.2     .0  33.0
R. SL           *     0     0    -8   500 *  AG     37   4.2     .0  33.0
S. WL           *     0     0   500     8 *  AG    114   4.2     .0  33.0
T. EL           *     0     0  -500    -8 *  AG     10   4.2     .0  33.0

III.  RECEPTOR LOCATIONS

            *    COORDINATES (FT)
  RECEPTOR  *    X      Y      Z
------------*--------------------
1. NE3      *     25     25   6.0
2. SE3      *     25    -25   6.0
3. SW3      *    -25    -25   6.0
4. NW3      *    -25     25   6.0
5. NE7      *     38     38   6.0
6. SE7      *     38    -38   6.0
7. SW7      *    -38    -38   6.0
8. NW7      *    -38     38   6.0


 IV.  MODEL RESULTS (WORST CASE WIND ANGLE )

            *       * PRED  *                CONC/LINK
            *  BRG  * CONC  *                  (PPM)
 RECEPTOR   * (DEG) * (PPM) *   A    B    C    D    E    F    G    H
------------*-------*-------*-----------------------------------------
1. NE3      *  266. *    .9 *   .0   .0   .0   .0   .0   .2   .0   .0
2. SE3      *  355. *    .7 *   .0   .0   .2   .0   .0   .3   .0   .0
3. SW3      *    4. *   1.0 *   .0   .0   .0   .0   .0   .6   .0   .0
4. NW3      *  175. *    .9 *   .0   .1   .0   .0   .0   .0   .3   .0
5. NE7      *  264. *    .6 *   .0   .0   .0   .0   .0   .1   .0   .0
6. SE7      *  353. *    .5 *   .0   .0   .0   .0   .0   .2   .0   .0
7. SW7      *    6. *    .6 *   .0   .0   .0   .0   .0   .3   .0   .0
8. NW7      *  174. *    .6 *   .0   .1   .0   .0   .0   .0   .2   .0

 IV.  MODEL RESULTS (WORST CASE WIND ANGLE)     (CONT.)

            *                          CONC/LINK
            *                            (PPM)
 RECEPTOR   *   I    J    K    L    M    N    O    P    Q    R    S    T
------------*-----------------------------------------------------------
1. NE3      *   .0   .0   .4   .0   .0   .0   .0   .0   .0   .0   .0   .0
2. SE3      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
3. SW3      *   .0   .0   .1   .0   .0   .0   .0   .0   .0   .0   .0   .0
4. NW3      *   .0   .0   .2   .0   .0   .0   .0   .0   .0   .0   .0   .0
5. NE7      *   .0   .0   .3   .0   .0   .0   .0   .0   .0   .0   .0   .0
6. SE7      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
7. SW7      *   .0   .0   .1   .0   .0   .0   .0   .0   .0   .0   .0   .0
8. NW7      *   .0   .0   .1   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: SCHOOL PM STANSBURY AVENUE AND VALLEY VISTA BOULEVARD NP
RUN: (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (FT)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. NF	*	8	-1500	8	-500	* AG	266	2.5	.0	35.0
B. NA	*	8	-500	8	0	* AG	165	4.2	.0	33.0
C. ND	*	8	0	8	500	* AG	184	2.8	.0	33.0
D. NE	*	8	500	8	1500	* AG	184	2.5	.0	35.0
E. SF	*	-8	1500	-8	500	* AG	161	2.5	.0	35.0
F. SA	*	-8	500	-8	0	* AG	135	4.2	.0	33.0
G. SD	*	-8	0	-8	-500	* AG	222	2.8	.0	33.0
H. SE	*	-8	-500	-8	-1500	* AG	222	2.5	.0	35.0
I. WF	*	1500	8	500	8	* AG	199	2.5	.0	35.0
J. WA	*	500	8	0	8	* AG	162	4.2	.0	33.0
K. WD	*	0	8	-500	8	* AG	244	2.8	.0	33.0
L. WE	*	-500	8	-1500	8	* AG	244	2.5	.0	35.0
M. EF	*	-1500	-8	-500	-8	* AG	261	2.5	.0	35.0
N. EA	*	-500	-8	0	-8	* AG	227	4.2	.0	33.0
O. ED	*	0	-8	500	-8	* AG	237	2.8	.0	33.0
P. EE	*	500	-8	1500	-8	* AG	237	2.5	.0	35.0
Q. NL	*	0	0	8	-500	* AG	101	4.2	.0	33.0
R. SL	*	0	0	-8	500	* AG	26	4.2	.0	33.0
S. WL	*	0	0	500	8	* AG	37	4.2	.0	33.0
T. EL	*	0	0	-500	-8	* AG	34	4.2	.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z
1. NE3	*	25	25	6.0
2. SE3	*	25	-25	6.0
3. SW3	*	-25	-25	6.0
4. NW3	*	-25	25	6.0
5. NE7	*	38	38	6.0
6. SE7	*	38	-38	6.0
7. SW7	*	-38	-38	6.0
8. NW7	*	-38	38	6.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	*	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. NE3	* 184.	* .5	*	.0	.2	.0	.0	.0	.0	.0	.0
2. SE3	* 274.	* .5	*	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	* 86.	* .5	*	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	* 175.	* .5	*	.0	.0	.0	.0	.0	.0	.1	.0
5. NE7	* 186.	* .3	*	.0	.1	.0	.0	.0	.0	.0	.0
6. SE7	* 276.	* .4	*	.0	.0	.0	.0	.0	.0	.0	.0
7. SW7	* 84.	* .3	*	.0	.0	.0	.0	.0	.0	.0	.0
8. NW7	* 174.	* .3	*	.0	.0	.0	.0	.0	.0	.0	.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	*	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	*	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
3. SW3	*	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. NE7	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. SE7	*	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
7. SW7	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. NW7	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

```
         CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                  JUNE 1989 VERSION
                  PAGE   1

              JOB:   SCHOOL PM STANSBURY AVENUE  AND VALLEY VISTA BOULEVARD WP
              RUN:                (WORST CASE ANGLE)
       POLLUTANT: Carbon Monoxide


  I.  SITE VARIABLES

        U=    .5 M/S            Z0= 100. CM           ALT=     0. (FT)
      BRG= WORST CASE           VD=   .0 CM/S
     CLAS=     7 (G)            VS=   .0 CM/S
     MIXH= 1000. M             AMB=   .0 PPM
    SIGTH=    5. DEGREES       TEMP= 15.6 DEGREE (C)


 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (FT)  *              EF     H     W
   DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (FT)  (FT)
----------------*--------------------------*------------------------------
A. NF           *     8 -1500     8  -500 *  AG    285   2.5     .0  35.0
B. NA           *     8  -500     8     0 *  AG    179   4.2     .0  33.0
C. ND           *     8     0     8   500 *  AG    195   2.8     .0  33.0
D. NE           *     8   500     8  1500 *  AG    195   2.5     .0  35.0
E. SF           *    -8  1500    -8   500 *  AG    172   2.5     .0  35.0
F. SA           *    -8   500    -8     0 *  AG    146   4.2     .0  33.0
G. SD           *    -8     0    -8  -500 *  AG    238   2.8     .0  33.0
H. SE           *    -8  -500    -8 -1500 *  AG    238   2.5     .0  35.0
I. WF           *  1500     8   500     8 *  AG    203   2.5     .0  35.0
J. WA           *   500     8     0     8 *  AG    162   4.2     .0  33.0
K. WD           *     0     8  -500     8 *  AG    249   2.8     .0  33.0
L. WE           *  -500     8 -1500     8 *  AG    249   2.5     .0  35.0
M. EF           * -1500    -8  -500    -8 *  AG    264   2.5     .0  35.0
N. EA           *  -500    -8     0    -8 *  AG    230   4.2     .0  33.0
O. ED           *     0    -8   500    -8 *  AG    242   2.8     .0  33.0
P. EE           *   500    -8  1500    -8 *  AG    242   2.5     .0  35.0
Q. NL           *     0     0     8  -500 *  AG    106   4.2     .0  33.0
R. SL           *     0     0    -8   500 *  AG     26   4.2     .0  33.0
S. WL           *     0     0   500     8 *  AG     41   4.2     .0  33.0
T. EL           *     0     0  -500    -8 *  AG     34   4.2     .0  33.0

III.  RECEPTOR LOCATIONS

              *    COORDINATES (FT)
  RECEPTOR    *    X       Y       Z
--------------*--------------------
1. NE3        *     25      25    6.0
2. SE3        *     25     -25    6.0
3. SW3        *    -25     -25    6.0
4. NW3        *    -25      25    6.0
5. NE7        *     38      38    6.0
6. SE7        *     38     -38    6.0
7. SW7        *    -38     -38    6.0
8. NW7        *    -38      38    6.0


 IV.  MODEL RESULTS (WORST CASE WIND ANGLE )

              *        * PRED  *                CONC/LINK
              *  BRG   * CONC  *                  (PPM)
  RECEPTOR    * (DEG)  * (PPM) *   A    B    C    D    E    F    G    H
--------------*-------*-------*-----------------------------------------
1. NE3        *  184.  *    .5 *   .0   .2   .0   .0   .0   .0   .0   .0
2. SE3        *  274.  *    .5 *   .0   .0   .0   .0   .0   .0   .0   .0
3. SW3        *   86.  *    .5 *   .0   .0   .0   .0   .0   .0   .0   .0
4. NW3        *  175.  *    .5 *   .0   .0   .0   .0   .0   .0   .2   .0
5. NE7        *  186.  *    .4 *   .0   .1   .0   .0   .0   .0   .0   .0
6. SE7        *  276.  *    .4 *   .0   .0   .0   .0   .0   .0   .0   .0
7. SW7        *   84.  *    .3 *   .0   .0   .0   .0   .0   .0   .0   .0
8. NW7        *  174.  *    .4 *   .0   .0   .0   .0   .0   .0   .0   .0

 IV.  MODEL RESULTS (WORST CASE WIND ANGLE)     (CONT.)

              *                          CONC/LINK
              *                            (PPM)
  RECEPTOR    *   I    J    K    L    M    N    O    P    Q    R    S    T
--------------*-----------------------------------------------------------
1. NE3        *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
2. SE3        *   .0   .0   .0   .0   .0   .2   .0   .0   .0   .0   .0   .0
3. SW3        *   .0   .0   .0   .0   .0   .0   .2   .0   .0   .0   .0   .0
4. NW3        *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
5. NE7        *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
6. SE7        *   .0   .0   .0   .0   .0   .1   .0   .0   .0   .0   .0   .0
7. SW7        *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
8. NW7        *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: COMMUTER AM STANSBURY AVENUE AND VALLEY VISTA BOULEVARD NP
RUN: (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (FT)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. NF	*	8	-1500	8	-500	* AG	363	2.5	.0	35.0
B. NA	*	8	-500	8	0	* AG	275	4.4	.0	33.0
C. ND	*	8	0	8	500	* AG	224	2.8	.0	33.0
D. NE	*	8	500	8	1500	* AG	224	2.5	.0	35.0
E. SF	*	-8	1500	-8	500	* AG	605	2.5	.0	35.0
F. SA	*	-8	500	-8	0	* AG	568	4.9	.0	33.0
G. SD	*	-8	0	-8	-500	* AG	495	2.9	.0	33.0
H. SE	*	-8	-500	-8	-1500	* AG	495	2.5	.0	35.0
I. WF	*	1500	8	500	8	* AG	428	2.5	.0	35.0
J. WA	*	500	8	0	8	* AG	322	4.4	.0	33.0
K. WD	*	0	8	-500	8	* AG	658	3.3	.0	33.0
L. WE	*	-500	8	-1500	8	* AG	658	2.5	.0	35.0
M. EF	*	-1500	-8	-500	-8	* AG	167	2.5	.0	35.0
N. EA	*	-500	-8	0	-8	* AG	157	4.2	.0	33.0
O. ED	*	0	-8	500	-8	* AG	186	2.8	.0	33.0
P. EE	*	500	-8	1500	-8	* AG	186	2.5	.0	35.0
Q. NL	*	0	0	8	-500	* AG	88	4.2	.0	33.0
R. SL	*	0	0	-8	500	* AG	37	4.2	.0	33.0
S. WL	*	0	0	500	8	* AG	106	4.2	.0	33.0
T. EL	*	0	0	-500	-8	* AG	10	4.2	.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z
1. NE3	*	25	25	6.0
2. SE3	*	25	-25	6.0
3. SW3	*	-25	-25	6.0
4. NW3	*	-25	25	6.0
5. NE7	*	38	38	6.0
6. SE7	*	38	-38	6.0
7. SW7	*	-38	-38	6.0
8. NW7	*	-38	38	6.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	*	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. NE3	* 266.	* .9	*	.0	.0	.0	.0	.0	.1	.0	.0
2. SE3	* 355.	* .7	*	.0	.0	.1	.0	.0	.3	.0	.0
3. SW3	* 4.	* 1.0	*	.0	.0	.0	.0	.0	.6	.0	.0
4. NW3	* 175.	* .8	*	.0	.1	.0	.0	.0	.0	.3	.0
5. NE7	* 264.	* .6	*	.0	.0	.0	.0	.0	.1	.0	.0
6. SE7	* 353.	* .5	*	.0	.0	.0	.0	.0	.2	.0	.0
7. SW7	* 6.	* .6	*	.0	.0	.0	.0	.0	.3	.0	.0
8. NW7	* 174.	* .6	*	.0	.0	.0	.0	.0	.0	.2	.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	*	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	*	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	*	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	*	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. NE7	*	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. SE7	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. SW7	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. NW7	*	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0

```
         CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                  JUNE 1989 VERSION
                  PAGE   1

              JOB:   COMMUTER AM STANSBURY AVENUE AND VALLEY VISTA BOULEVARD WP
              RUN:                (WORST CASE ANGLE)
       POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
       U=    .5 M/S            Z0= 100. CM            ALT=     0. (FT)
     BRG= WORST CASE            VD=   .0 CM/S
    CLAS=     7 (G)             VS=   .0 CM/S
    MIXH= 1000. M               AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP= 15.6 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. NF	8	-1500	8	-500	AG	390	2.5	.0	35.0
B. NA	8	-500	8	0	AG	294	4.4	.0	33.0
C. ND	8	0	8	500	AG	238	2.8	.0	33.0
D. NE	8	500	8	1500	AG	238	2.5	.0	35.0
E. SF	-8	1500	-8	500	AG	626	2.5	.0	35.0
F. SA	-8	500	-8	0	AG	589	4.9	.0	33.0
G. SD	-8	0	-8	-500	AG	531	2.9	.0	33.0
H. SE	-8	-500	-8	-1500	AG	531	2.5	.0	35.0
I. WF	1500	8	500	8	AG	436	2.5	.0	35.0
J. WA	500	8	0	8	AG	322	4.4	.0	33.0
K. WD	0	8	-500	8	AG	666	3.3	.0	33.0
L. WE	-500	8	-1500	8	AG	666	2.5	.0	35.0
M. EF	-1500	-8	-500	-8	AG	175	2.5	.0	35.0
N. EA	-500	-8	0	-8	AG	165	4.2	.0	33.0
O. ED	0	-8	500	-8	AG	192	2.8	.0	33.0
P. EE	500	-8	1500	-8	AG	192	2.5	.0	35.0
Q. NL	0	0	8	-500	AG	96	4.2	.0	33.0
R. SL	0	0	-8	500	AG	37	4.2	.0	33.0
S. WL	0	0	500	8	AG	114	4.2	.0	33.0
T. EL	0	0	-500	-8	AG	10	4.2	.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE3	25	25	6.0
2. SE3	25	-25	6.0
3. SW3	-25	-25	6.0
4. NW3	-25	25	6.0
5. NE7	38	38	6.0
6. SE7	38	-38	6.0
7. SW7	-38	-38	6.0
8. NW7	-38	38	6.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. NE3	266.	.9	.0	.0	.0	.0	.0	.2	.0	.0
2. SE3	355.	.7	.0	.0	.2	.0	.0	.3	.0	.0
3. SW3	4.	1.0	.0	.0	.0	.0	.0	.6	.0	.0
4. NW3	175.	.9	.0	.1	.0	.0	.0	.0	.3	.0
5. NE7	264.	.6	.0	.0	.0	.0	.0	.1	.0	.0
6. SE7	353.	.5	.0	.0	.0	.0	.0	.2	.0	.0
7. SW7	6.	.6	.0	.0	.0	.0	.0	.3	.0	.0
8. NW7	174.	.6	.0	.1	.0	.0	.0	.0	.2	.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. NE7	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. SE7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. SW7	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. NW7	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: COMMUTER PM STANSBURY AVENUE AND VALLEY VISTA BOULEVARD NP
RUN: (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (FT)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. NF	8	-1500	8	-500	AG	177	2.5	.0	35.0
B. NA	8	-500	8	0	AG	132	4.2	.0	33.0
C. ND	8	0	8	500	AG	155	2.8	.0	33.0
D. NE	8	500	8	1500	AG	155	2.5	.0	35.0
E. SF	-8	1500	-8	500	AG	138	2.5	.0	35.0
F. SA	-8	500	-8	0	AG	87	4.2	.0	33.0
G. SD	-8	0	-8	-500	AG	119	2.8	.0	33.0
H. SE	-8	-500	-8	-1500	AG	119	2.5	.0	35.0
I. WF	1500	8	500	8	AG	155	2.5	.0	35.0
J. WA	500	8	0	8	AG	127	4.2	.0	33.0
K. WD	0	8	-500	8	AG	158	2.8	.0	33.0
L. WE	-500	8	-1500	8	AG	158	2.5	.0	35.0
M. EF	-1500	-8	-500	-8	AG	328	2.5	.0	35.0
N. EA	-500	-8	0	-8	AG	304	4.4	.0	33.0
O. ED	0	-8	500	-8	AG	366	2.9	.0	33.0
P. EE	500	-8	1500	-8	AG	366	2.5	.0	35.0
Q. NL	0	0	8	-500	AG	45	4.2	.0	33.0
R. SL	0	0	-8	500	AG	51	4.2	.0	33.0
S. WL	0	0	500	8	AG	28	4.2	.0	33.0
T. EL	0	0	-500	-8	AG	24	4.2	.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NE3	25	25	6.0
2. SE3	25	-25	6.0
3. SW3	-25	-25	6.0
4. NW3	-25	25	6.0
5. NE7	38	38	6.0
6. SE7	38	-38	6.0
7. SW7	-38	-38	6.0
8. NW7	-38	38	6.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. NE3	265.	.4	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	274.	.5	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	86.	.5	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	94.	.4	.0	.0	.0	.0	.0	.0	.0	.0
5. NE7	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
6. SE7	276.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. SW7	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
8. NW7	95.	.3	.0	.0	.0	.0	.0	.0	.0	.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. NE7	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
6. SE7	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
7. SW7	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
8. NW7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: COMMUTER PM STANSBURY AVENUE AND VALLEY VISTA BOULEVARD WP
RUN: (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (FT)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. NF	*	8	-1500	8	-500	* AG	187	2.5	.0	35.0
B. NA	*	8	-500	8	0	* AG	139	4.2	.0	33.0
C. ND	*	8	0	8	500	* AG	160	2.8	.0	33.0
D. NE	*	8	500	8	1500	* AG	160	2.5	.0	35.0
E. SF	*	-8	1500	-8	500	* AG	142	2.5	.0	35.0
F. SA	*	-8	500	-8	0	* AG	91	4.2	.0	33.0
G. SD	*	-8	0	-8	-500	* AG	122	2.8	.0	33.0
H. SE	*	-8	-500	-8	-1500	* AG	122	2.5	.0	35.0
I. WF	*	1500	8	500	8	* AG	157	2.5	.0	35.0
J. WA	*	500	8	0	8	* AG	127	4.2	.0	33.0
K. WD	*	0	8	-500	8	* AG	161	2.8	.0	33.0
L. WE	*	-500	8	-1500	8	* AG	161	2.5	.0	35.0
M. EF	*	-1500	-8	-500	-8	* AG	326	2.5	.0	35.0
N. EA	*	-500	-8	0	-8	* AG	302	4.4	.0	33.0
O. ED	*	0	-8	500	-8	* AG	369	2.9	.0	33.0
P. EE	*	500	-8	1500	-8	* AG	369	2.5	.0	35.0
Q. NL	*	0	0	8	-500	* AG	48	4.2	.0	33.0
R. SL	*	0	0	-8	500	* AG	51	4.2	.0	33.0
S. WL	*	0	0	500	8	* AG	30	4.2	.0	33.0
T. EL	*	0	0	-500	-8	* AG	24	4.2	.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z
1. NE3	*	25	25	6.0
2. SE3	*	25	-25	6.0
3. SW3	*	-25	-25	6.0
4. NW3	*	-25	25	6.0
5. NE7	*	38	38	6.0
6. SE7	*	38	-38	6.0
7. SW7	*	-38	-38	6.0
8. NW7	*	-38	38	6.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	*	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. NE3	* 265.	* .4	*	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* 274.	* .5	*	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	* 86.	* .5	*	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	* 94.	* .4	*	.0	.0	.0	.0	.0	.0	.0	.0
5. NE7	* 264.	* .3	*	.0	.0	.0	.0	.0	.0	.0	.0
6. SE7	* 276.	* .3	*	.0	.0	.0	.0	.0	.0	.0	.0
7. SW7	* 84.	* .3	*	.0	.0	.0	.0	.0	.0	.0	.0
8. NW7	* 95.	* .3	*	.0	.0	.0	.0	.0	.0	.0	.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	*	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	*	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0
2. SE3	*	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
3. SW3	*	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	*	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. NE7	*	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
6. SE7	*	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
7. SW7	*	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
8. NW7	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Title   : Los Angeles County Avg 2014 Winter Default Title
Version : Emfac2002 V2.2 Apr 23 2003
Run Date : 02/07/05 10:19:03
Scen Year: 2014 -- Model Years: 1969 to 2014
Season   : Winter
Area   : Los Angeles County

****

Year:2014 -- Model Years 1969 to 2014 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Apr 23 2003

County Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	3.951	7.441	7.952	11.049	39.627	28.758	5.831
4	3.826	7.149	7.651	11.049	39.627	28.758	5.654
5	3.708	6.877	7.372	11.049	39.627	28.758	5.488
6	3.597	6.623	7.058	10.175	36.279	27.665	5.264
7	3.493	6.386	6.769	9.390	33.288	26.661	5.057
8	3.394	6.165	6.501	8.682	30.613	25.739	4.865
9	3.301	5.959	6.253	8.045	28.217	24.892	4.687
10	3.212	5.765	6.022	7.469	26.067	24.115	4.521
11	3.128	5.584	5.808	6.949	24.135	23.403	4.367
12	3.049	5.413	5.608	6.478	22.397	22.750	4.223
13	2.973	5.253	5.422	6.052	20.831	22.152	4.088
14	2.901	5.102	5.248	5.665	19.418	21.607	3.963
15	2.832	4.960	5.086	5.313	18.142	21.109	3.845
16	2.766	4.827	4.934	4.994	16.988	20.658	3.734
17	2.704	4.700	4.791	4.703	15.944	20.249	3.630
18	2.644	4.581	4.657	4.438	14.997	19.881	3.533
19	2.587	4.468	4.532	4.197	14.138	19.552	3.441
20	2.532	4.361	4.414	3.976	13.359	19.260	3.354
21	2.480	4.260	4.303	3.775	12.650	19.003	3.272
22	2.430	4.164	4.199	3.592	12.007	18.781	3.195
23	2.382	4.073	4.100	3.424	11.421	18.592	3.122
24	2.336	3.987	4.008	3.271	10.889	18.435	3.053
25	2.292	3.906	3.920	3.131	10.405	18.310	2.988
26	2.250	3.828	3.838	3.003	9.965	18.216	2.927
27	2.209	3.755	3.761	2.886	9.564	18.154	2.869
28	2.171	3.685	3.688	2.779	9.201	18.122	2.814
29	2.133	3.620	3.619	2.681	8.871	18.121	2.762
30	2.097	3.557	3.555	2.593	8.572	18.152	2.712
31	2.063	3.498	3.494	2.512	8.302	18.215	2.666
32	2.030	3.442	3.437	2.439	8.058	18.311	2.622
33	1.999	3.389	3.383	2.372	7.839	18.440	2.581
34	1.968	3.340	3.333	2.312	7.643	18.604	2.542
35	1.939	3.293	3.286	2.259	7.469	18.803	2.505
36	1.912	3.248	3.242	2.211	7.315	19.041	2.471
37	1.885	3.207	3.202	2.168	7.180	19.318	2.439
38	1.860	3.168	3.165	2.131	7.064	19.636	2.408
39	1.835	3.132	3.130	2.098	6.965	19.998	2.381
40	1.812	3.099	3.099	2.070	6.882	20.407	2.355

Appendix D:

Tree Survey

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3.0 METHODOLOGY.....7

4.0 RESULTS.....8

5.0 IMPACTS.....9

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TREE SURVEY REPORT
FOR THE BUCKLEY SCHOOL CAMPUS ENHANCEMENT PLAN
SHERMAN OAKS, CITY OF LOS ANGELES, CALIFORNIA

1.0 INTRODUCTION

This report presents the results of a tree survey conducted by PCR Services Corporation (PCR) for the Buckley School project site (Site). The Site consists of 18.35 acres located south of Ventura Boulevard, east of Beverly Glen Boulevard, north of Mulholland Drive, and immediately west of undeveloped land owned by the Santa Monica Mountains Conservancy (refer to Figure 1, *Regional Map*, on page 2 and Figure 2, *Vicinity Map*, on page 3). The Site can be found on the United States Geological Survey (USGS) 7.5-minute Van Nuys topographic quadrangle map within Section 22, T. 1 N., R. 15 W., as shown in Figure 2.

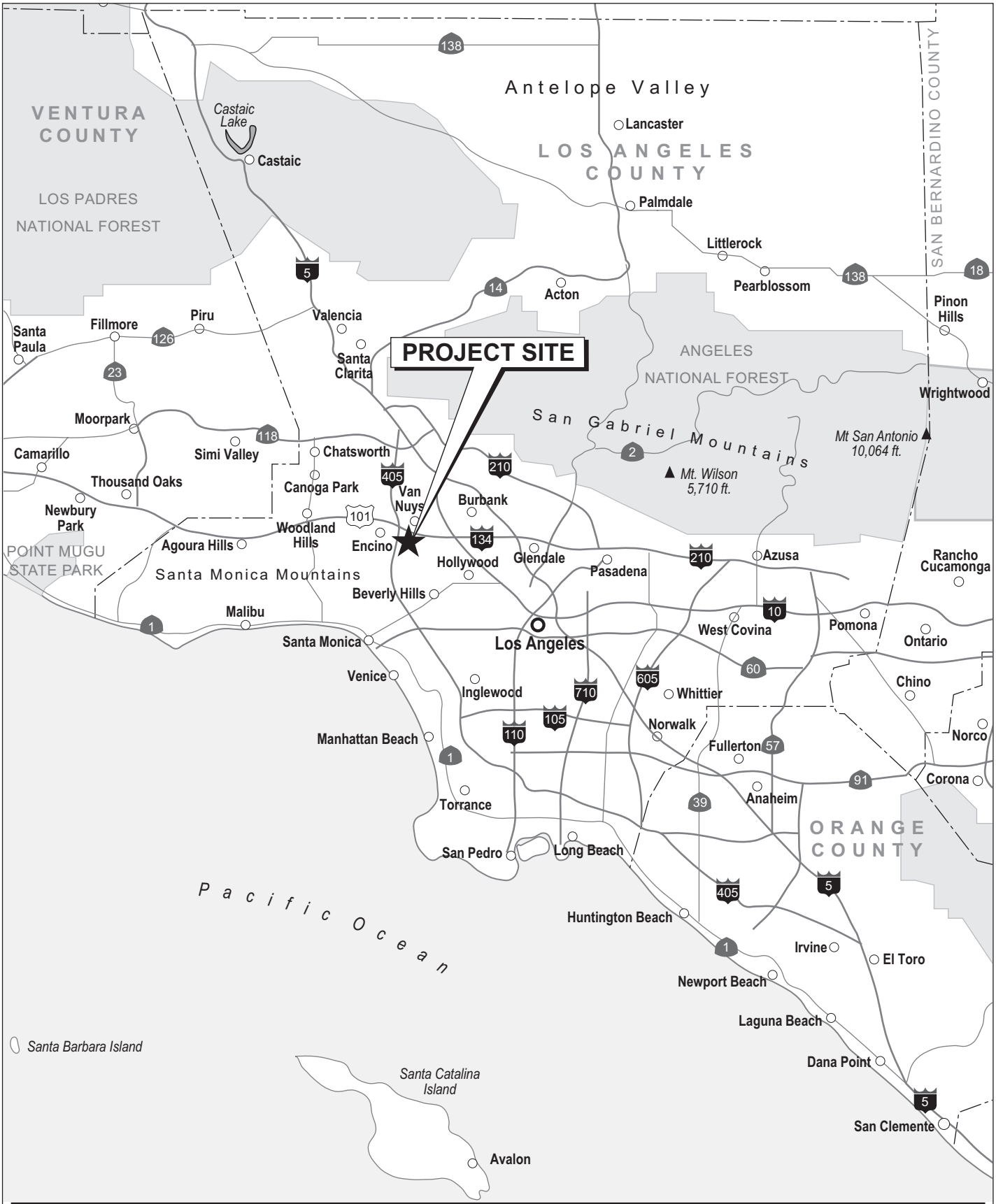
The Buckley School proposes to enhance its existing campus through implementation of the Buckley School Campus Enhancement Plan. The project addresses the needs of existing and future programs offered within the campus, including the provision of adequate teaching space for all educational levels, specialty teaching spaces, and multipurpose spaces for educational gatherings that cannot occur in a standard classroom. Included within the project are circulation and queuing improvements, increased parking within a new enclosed parking facility, the demolition of six buildings, construction of five new/replacement buildings, additions to and renovation of one existing building, and renovation of several existing buildings.

This report has been prepared in accordance with the recently amended City of Los Angeles Native Tree Ordinance (Ordinance No. 177404) as well as the accepted scientific and professional standards of the International Society of Arboriculture (ISA) 9th Edition Guide for Plant Appraisal (ISA 2000). The scope of this tree survey encompasses the methods, survey results, mitigation recommendations, and conclusions for the trees located within the tree survey area.

2.0 EXISTING SITE CONDITIONS

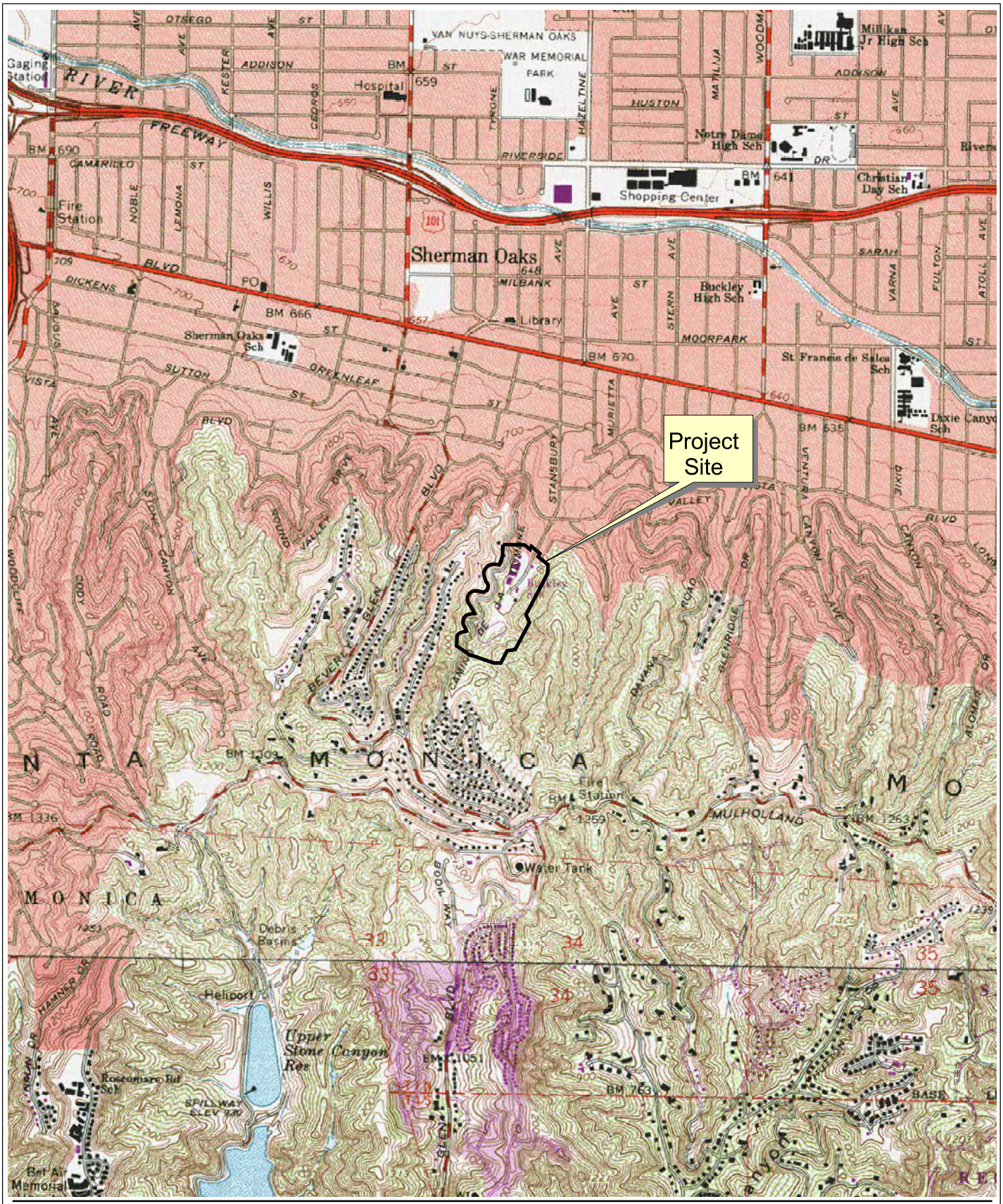
The Site encompasses approximately 18.35 acres located within the community of Sherman Oaks in the City of Los Angeles.[1] The Site is situated within a canyon on the north side

[1] *The Buckley School also owns a 12.6-acre non-contiguous parcel of land to the south of the campus. Development is not proposed in this area under the project.*



Source: PCR Services Corporation, 2005.

Figure 1
Buckley School Regional Map



N

2000 0 2000 Feet

Source: USGS Topographic Series (Beverly Hills, Van Nuys, CA); PCR Services Corporation, 2005.

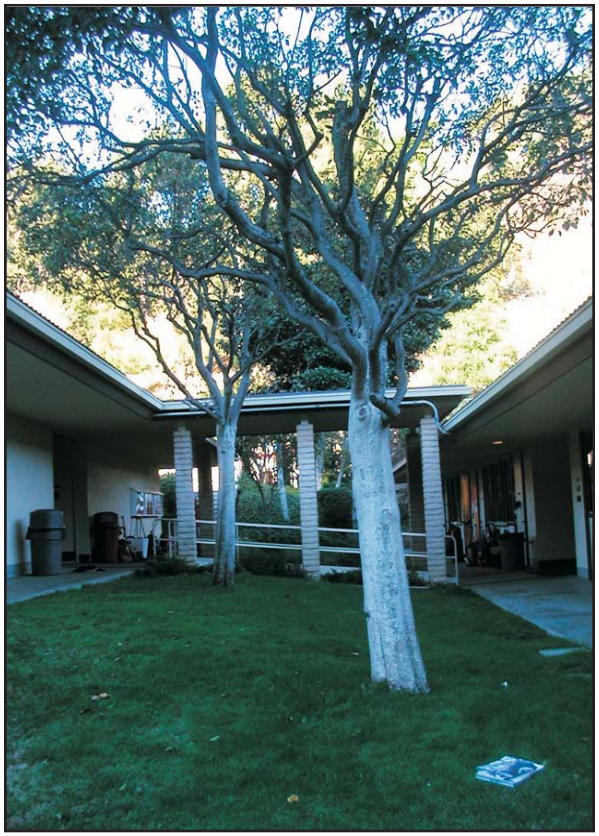
PCR

Figure 2
Buckley School Vicinity Map

of the Santa Monica Mountains. Additionally, the southernmost portion of the Site lies within the Mulholland Scenic Parkway Specific Plan area, specifically within the "Outer Corridor," as defined by the Mulholland Scenic Parkway Specific Plan. The Site is located at the terminus of a residential neighborhood on Stansbury Avenue. Surrounding uses to the north and west consist of single-family residential uses, and to the east and south is the 44-acre Fossil Ridge Park owned by the Santa Monica Mountains Conservancy (see Figure 2). The fully operational elementary through high school campus was originally founded in 1933 and moved to its current location in the late 1960s. With buildings constructed through the late 1970s, the Buckley School campus presently includes approximately 99,150 square feet of building area, 214 surface parking spaces, and various natural plantings and non-native landscaping (refer to Figure 3, S*ite Photographs 1, 2, and 3*, on page 5 and Figure 4, S*ite Photograph 4*, on page 6). Existing development in the immediate area thus includes the school, consisting of academic buildings, roads, parking lots, an athletic field and associated campus facilities, as well as private residences along Camino de la Cumbre immediately west of the Site. The topography of the Site generally slopes upward toward the south, with elevations ranging from approximately 750 feet above mean sea level (MSL) along the lower margin of the property to over 900 feet above MSL to the south. A number of small ephemeral drainages exist on-site that are ultimately tributary to the Los Angeles River, a cement-lined USGS-designated blue-line stream located about one mile north of the Site.

The canyon slopes within and surrounding the Site is dominated by California walnut-coast live oak woodland totaling approximately 4.9 acres. This community conforms to Sawyer and Keeler-Wolf's description of California walnut series, and to descriptions contained in Holland for walnut woodland (Element Code 71210) and coast live oak woodland (Element Code 71160). Dominant species found in this community within the Site include California walnut (*Juglans californica* var. *californica*) and coast live oak (*Quercus agrifolia*) in the tree canopy; scrub oak (*Q. berberidifolia*), toyon (*Heteromeles arbutifolia*), Mexican elderberry (*Sambucus mexicana*), sugarbush (*Rhus ovata*), and lemonadeberry (*R. integrifolia*) in the shrub layer; and an understory consisting of leaf litter, black mustard (*Brassica nigra*), brome grasses (*Bromus madritensis* ssp. *rubens* and *B. diandrus*), fuchsia-flowered gooseberry (*Ribes speciosum*), phacelia (*Phacelia* sp.), and giant wild rye (*Leymus condensatus*). The canopy cover ranges from 70 to 90 percent cover. In general, the community appears to be very mature and the understory is very open (Table 1, *Tree Inventory*, on page 7).

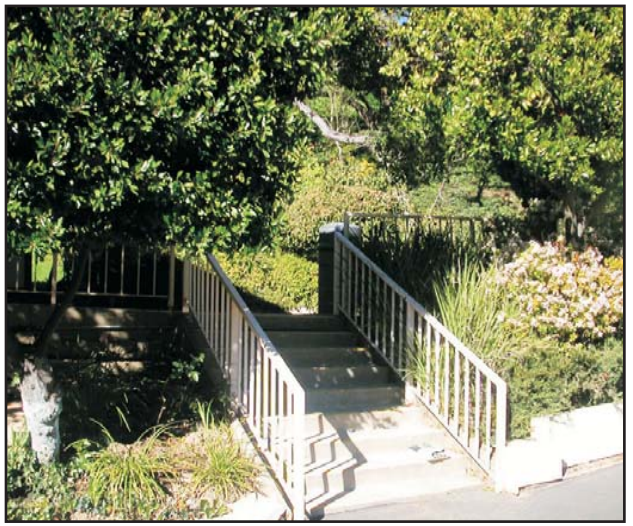
Larger areas of landscaping, totaling approximately 1.0 acres, within the developed portions of the Site have been identified as ornamental landscaping. These areas are dominated by a variety of non-native plantings that are used for fuel modification and aesthetic purposes within the campus setting (refer to Table 1). The remaining 1.70 acres of the site have been mapped as California walnut-coast live oak woodland/ornamental (approximately 0.6 acre), ornamental landscaping (approximately 1.0 acre), non-native grassland (approximately 0.1



Photograph 1: Looking west at tress #2 and #3.



Photograph 2: Looking east at athletic facility and tree #61.



Photograph 3: Looking west at athletic feild bathrooms.

PCR

Figure 3
Buckley School
Site Photographs

Source: PCR Services Corporation, 2004.



Photograph 4: Looking north at slope above lunch area.

PCR

Source: PCR Services Corporation, 2004.

Figure 4
Buckley School
Site Photograph

Table 1

Tree Inventory

Scientific Name	Common Name	Quantity
Native Trees		
Juglans californica var. *californica*	Southern California black walnut	59
Platanus racemosa	California sycamore	2
Quercus agrifolia	Coast live oak	37
Subtotal – Native Trees		*98*
Non-native Trees		
Eucalyptus globulus	Bluegum Eucalyptus	4
Ficus sp.	Fig	3
Fraxinus sp.	Ash	2
Gleditsia sp.	Honeylocust tree	1
Jacaranda mimosifolia	Jacaranda	13
Liquidamber styraciflua	Sweetgum	2
Magnolia grandiflora	Southern Magnolia tree	4
Melaleuca quinquenervia	Cajeput tree	1
Olea europea	Olive	6
Persea americana	Avocado tree	1
Pinus sp.	Pine	27
Pittosporum sp.	Pittosporum tree	5
Podocarpus sp.	Fern pine	5
Prunus sp.	Cherry and Plum trees	4
Robinia sp.	Locust	1
Salix sp.	Willow	3
Sapindus saponaria	Wingleaf soapberry	17
Schinus molle	Pepper tree	1
Ulmus parvifolia	Chinese elm	7
Unknown non-native, ornamental	Unknown, non-native ornamental	19
Subtotal – Non-native Trees		*126*
TOTAL		**224**

Source: PCR Services Corporation, 2006.

acre), Coast goldenbush grassland (less than 0.1 acre), and coyote brush scrub (less than 0.1 acre).

3.0 METHODOLOGY

This tree survey report is based on information compiled through field reconnaissance, previous documentation, and appropriate reference materials. Such reference materials include aerial photography, a USGS topographic map, digital ortho quarter quadrangle data, and literature search. The tree survey was conducted on December 17, 2004, May 3, 2005, and March 14, 2006 by PCR biologists Stephanie Picha and Crysta Dickson.

In order to determine the approximate location of each tree or clump of trees on-site, the July 2003 tree survey map prepared by Hennon Surveying and Mapping, Inc. was used in the field. A handful of trees assessed as part of this survey were not previously assessed in 2003; therefore, a grid system was developed using fixed objects such as existing buildings, street trees and roads along the Site borders as reference points to assist in the approximate location of each tree or clump of trees throughout the tree survey area.

The tree survey consisted of assessing the over-all health of each tree of eight-inches or greater for all non-ordinance trees (non-native ornamentals) and the over-all health of all ordinance covered trees, which include all native oak trees (*Quercus* sp.), except scrub oak (*Quercus dumosa*) and includes California sycamore (*Platanus racemosa*), Southern California black walnut (*Juglans californica* var. *californica*), and California bay (*Umbellularia californica*) of four-inches or greater. Additionally, multi-trunked ordinance trees equaling four-inches or greater at 54-inches from ground level, as well as observing height, canopy width, and assessing the condition of each tree, by rating their health, structure, and aesthetics with very good, good, fair, poor, or very poor (dead) rating was recorded.

PCR's methodology for determining the extent of project impacts to trees on-site involved placing trees into one of four categories: impacted, partially impacted, potentially impacted, or avoided. Any trees located within the development area would be considered directly impacted. Trees that fell outside of the grading limits, but had a small portion of their trunk or canopy within the grading limits were considered partially impacted. Partially impacted trees also included a 5-foot buffer around the tree canopy to ensure protection of the trees root system. An additional 20-foot buffer was placed around the limits of grading to define the 4.5 acre grading buffer area, and any trees that fell within, or had a portion of their trunk or canopy within the 20-foot buffer area are considered potentially impacted. All trees located outside of the 20-foot buffer area were considered avoided and would not be impacted by the proposed project.

A staff Registered Consulting Arborist (RCA) with the American Society of Consulting Arborists has provided oversight and close review of the results and recommended mitigation measures for this report.

4.0 RESULTS

A total of 224 native (i.e., walnut, oak, and sycamore) and non-native trees were counted, recorded and assessed as part of this survey (refer to Figure 5, *Tree Location and Impacts Map*,

on page 10).[2] Of this number, 130 native and non-native trees are located within the 4.5 acre grading buffer area. All trees located within and adjacent to the grading buffer area were found, on average, to be in fair condition physiologically, structurally, and aesthetically (refer to Appendix A, *Tree Survey*). Of the 126 non-native ornamental trees scattered throughout the tree survey area, the majority within the tree survey area are in fair overall condition, with some structural deformities, while 22 were found to be in good overall condition (see Figure 6, *Tree Photographs 5, 6, 7, and 8*, on page 11). Please refer to Appendix A for a summary of tree conditions and impacts.

5.0 IMPACTS

Of the 224 trees assessed, 39 non-native ornamental trees and 18 native trees, including 14 walnut trees, and four oak trees will be impacted by the proposed project. A total of 24 non-native ornamental trees and 20 native trees, including 13 walnut trees, five oak trees, and two sycamores will be partially impacted by the proposed project. A total of 15 non-native ornamental trees and 11 native trees, including four walnut trees and seven oak trees will be potentially impacted by the proposed project. Finally, a total of 48 ornamental trees and 49 native trees, including 28 walnut trees and 21 oak trees, will be completely avoided by the proposed project.

PCR has made recommendations based on each trees condition-rating for all three of the following categories; health, structure, and aesthetics. On average, the non-native trees were found to be in fair condition, and the native trees within the proposed project area were found to be in good or fair condition across all three categories; however, none of these trees have been identified as candidates for transplanting (see Table 2, *Summary of Tree Impacts*, on page 12).

6.0 RECOMMENDATIONS AND MITIGATION MEASURES

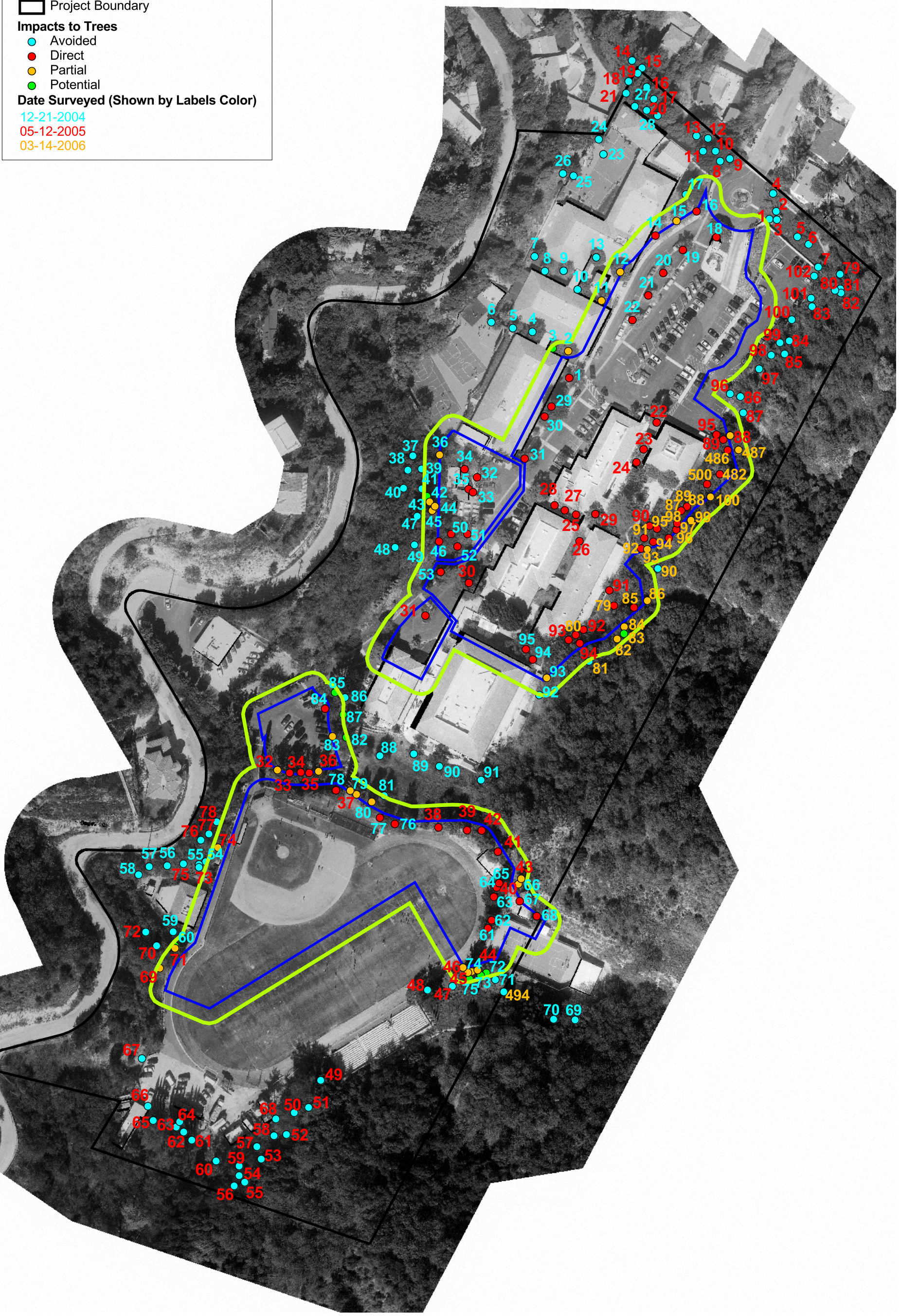
PCR recommends the following mitigation measures be implemented to reduce potential impacts associated with native trees and migratory birds to less than significant levels:

[2] *A total of 175 trees were previously surveyed by Hennon Surveying and Mapping Inc. (July 2003), 92 of which are native trees.*

20 foot Grading Buffer
Proposed Grading Extent
Project Boundary

Impacts to Trees
- Avoided
- Direct
- Partial
- Potential

Date Surveyed (Shown by Labels Color)
12-21-2004
05-12-2005
03-14-2006



PCR

N

125 0 125 Feet

Source: Don Read Corp. (Aerial), Feb. 6, 2003; PCR Services Corporation, 2006.

Figure 5
Buckley School
Tree Location and Impacts Map



Photograph 5: Tree #8 surrounded by mushroom ring.



Photograph 6: Tree #13, merged trunks into one larger trunk and main root cut.



Photograph 7: Tree #84



Photograph 8: Tree #95

PCR

Source: PCR Services Corporation, 2004.

Figure 6
Buckley School
Tree Photographs

Table 2

Impacts to Trees

Tree Species	Survey Year	Directly Impacted [a]	Partially Impacted [b]	Potentially Impacted [c]	Avoided [d]
Native Trees					
Walnut (*Juglans)*	2004	1	1	1	10
	2005	4	1	3	17
	2006	9	11	0	1
Oak (*Quercus*)	2004	3	1	4	4
	2005	1	1	1	16
	2006	0	3	2	1
Sycamore (*Platanus*)	2004	0	2	0	0
	2005	0	0	0	0
	2006	0	0	0	0
Sub-Total		**18**	**20**	**11**	**49**
Non-Native Trees					
Ornamental	2004	25	14	10	19
	2005	14	10	5	29
	2006	0	0	0	0
Sub-Total		**39**	**24**	**15**	**48**
Total		**57**	**44**	**26**	**97**

[a] *Impacted trees are proposed for removal due to the proposed development.*
[b] *Partially impacted trees include trees which may be impacted within the 5' buffer zone of the tree canopy.*
[c] *For potentially impacted trees, removal would not be necessary with proper pre-construction protection measures (see Section 5.0, Recommendations and Mitigation Measures).*
[d] *Avoided trees would not be removed.*

Source: PCR Services Corporation, 2006.

Mitigation Measure 1: Trees removed that are protected by the City of Los Angeles Native Tree Ordinance shall be replaced within the property by at least two trees of a protected variety including Valley & California Live Oak, or any other tree of the oak genus (excluding Scrub Oak), the Southern California Black Walnut, the Western Sycamore, and the California Bay. Each replacement tree shall be a 15-gallon, or larger specimen in size, measuring one inch or more in diameter at a point one foot above the base, and not less than seven feet in height measured from the base. The size and number of replacement trees shall approximate the value of the tree to be replaced.

Mitigation Measure 2: All construction work potentially impacting any protected tree shall be approved by, performed under the supervision of, and inspected by a tree expert as defined by the City of Los Angeles Protected Tree Ordinance. This tree expert shall also oversee all maintenance work on the protected trees including irrigation, pruning and spraying.

Mitigation Measure 3: During construction, the construction supervisor shall ensure that all construction employees are fully informed of the tree protection practices. This shall include information on the tree protection zone, the necessity of preventing damage, and the discussion of work practices that will accomplish such.

Mitigation Measure 4: During construction, a six-foot-high, brightly colored construction fencing shall be erected along the construction side of the partially and potentially impacted native trees to delineate the tree protection area. The protective fence shall be installed 5 feet outside of the drip line, if possible. If construction is to occur within the drip line, the fencing shall be installed 12 inches inside the new footing or trenching line.

Mitigation Measure 5: Due to some sizeable trees and shrubs occurring within and adjacent to the Site, removal of any large trees and large vegetation (i.e., large branching shrubs) shall take place outside of the nesting season (February 15-August 31) in accordance with the Migratory Bird Treaty Act (MBTA). If such removal activities must occur during the nesting season, a biological monitor shall be present during the removal activities to ensure that no active nests will be impacted. If active nests are found, a 200-foot buffer radius (500 feet for raptors) shall be established until the fledglings have left the nest.

7.0 CONCLUSIONS

The tree survey area contains 37 coast live oak trees, 59 California walnut trees, two California sycamore trees, and 126 non-native, ornamental trees, for a total of 224 trees.

A total of 57 trees will be impacted, 18 of which are native trees. The native trees that will be impacted by the proposed project include 14 walnut trees, and 4 oak trees. A total of 44 trees will be partially impacted, 20 of which are native trees. The native trees that will be partially impacted include 13 walnut trees, 5 oak trees, and two sycamore trees. A total of 26 trees will potentially be impacted, 11 of which are native trees. The native trees that will potentially be impacted include 4 walnut trees and 7 oak trees. The 97 trees located outside the grading buffer area will be avoided completely. Of those trees that will not be removed, 49 are native trees, which include 28 walnut trees and 21 oak trees.

No trees found on-site are recommended for transplanting. The majority of trees located within the tree survey area are in fair condition physiologically, structurally, and aesthetically (see Appendix A).

8.0 REFERENCES

Los Angeles Municipal Code (LAMC)Sections 12.21; 17.00 et seq.; 46.00 – 46.06; 96.303. *City of Los Angeles Protected Tree Ordinance* (Ord. No. 177404).

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McAuley, Milt. 1996. *Wildflowers of the Santa Monica Mountains* (2nd Edition).

Sawyer, John O. and T. Keeler-Wolf. 1995. A Manual of California Vegetation. Sacramento: California Native Plant Society.

Street Tree Seminar, Inc. 1999. *Street Trees Recommended for Southern California* (2nd Edition).

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APPENDIX A: TREE SURVEY

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
12-21-2004 Survey									
1	*Prunus* sp.	8, 9, 4	Fair	Poor	Fair	20	30	Within ivy planter	Impacted, due to the enhancement of the school
2	*Unknown ornamental*	12	Fair	Fair	Fair	25	20	Surrounded by grass; within dev.	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
3	*Unknown ornamental*	10	Fair	Fair	Fair	20	20	Surrounded by grass	Potential
4	*Magnolia grandiflora*	14	Fair	Fair	Fair	40	20	Growing within grass	Avoided, no removal necessary
5	*Pittosporum* sp.	8	Fair	Fair	Fair	25	15	Growing within ivy	Avoided, no removal necessary
6	*Melaleuca quinquenervia*	9,7,5	Fair	Fair	Fair	25	15	Growing within ivy	Avoided, no removal necessary
7	*Pittosporum* sp.	10	Fair	Fair	Fair	25	15	Surrounded by grass	Avoided, no removal necessary
8	*Pittosporum* sp.	9	Fair	Fair	Fair	20	10	Mushroom ring around trunk	Avoided, no removal necessary
9	*Pittosporum* sp.	10	Fair	Fair	Fair	20	10	Surrounded by grass	Avoided, no removal necessary
10	*Magnolia grandiflora*	9	Fair	Fair	Fair	25	15	Within planter/ sitting area	Avoided, no removal necessary
11	*Unknown ornamental*	8,7	Fair	Fair	Fair	20	15	Within planter/ sitting area	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
12	*Ficus* sp.	27	Fair	Fair	Fair	20	20	Several large trunks merged together; main roots cut to fit within planter.	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
13	*Ficus* sp.	13, 10	Fair	Fair	Fair	20	20	Several large trunks merged together; main roots cut to fit within planter.	Avoided, no removal necessary
14	*Platanus racemosa*	11	Fair	Fair	Fair	40	15	Growing within ice plant and periwinkle	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
15	*Platanus racemosa*	9	Fair	Fair	Fair	40	15	Growing within ice plant and periwinkle	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
16	*Prunus* sp.	8	Fair	Fair	Fair	15	10	Concrete/asphalt at base of trunk	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
17	*Quercus agrifolia*	19	Good	Good	Good	40	25	East facing slope	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
18	*Sapindus saponaria*	10,9	Fair	Fair	Fair	30	40	Located in-front of guard gate; weak trunk attachment	Impacted, due to the enhancement of the school
19	*Prunus* sp.	8,5	Fair	Fair	Fair	25	20	Located in a median; weak trunk attachment	Impacted, due to the enhancement of the school
20	*Jacaranda mimosifolia*	5	Fair	Fair	Fair	15	10	Located within a median	Impacted, due to the enhancement of the school
21	*Jacaranda mimosifolia*	7	Fair	Fair	Fair	15	10	Located within a median	Impacted, due to the enhancement of the school
22	*Jacaranda mimosifolia*	7	Fair	Fair	Fair	15	10	Located within a median	Impacted, due to the enhancement of the school
23	*Gleditsia* sp.	6	Fair	Fair	Fair	20	10	Tree stake grown into tree; within children's playground	Avoided, no removal necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
24	*Unknown ornamental*	15	Fair	Fair	Fair	30	15	Located within the children's playground along a brick wall	Avoided, no removal necessary
25	*Sapindus saponaria*	13	Fair	Fair	Fair	40	20	Located on a slope within the children's playground	Avoided, no removal necessary
26	*Pinus* sp.	10	Fair	Fair	Fair	25	10	Located on a slope within the children's playground	Avoided, no removal necessary
27	*Pinus* sp.	24	Fair	Fair	Fair	60	40	Growing within ivy just outside of school wall	Avoided, no removal necessary
28	*Pinus* sp.	15	Fair	Fair	Fair	50	20	Growing within ivy just outside of school wall	Avoided, no removal necessary
29	*Pinus* sp.	20	Fair	Fair	Fair	50	20	Growing within ivy just outside of school wall	Impacted, due to the enhancement of the school
30	*Jacaranda mimosifolia*	11	Fair	Fair	Fair	45	20	Growing within ivy just outside of school wall	Impacted, due to the enhancement of the school
31	*Jacaranda mimosifolia*	8,8,10	Fair	Fair	Fair	40	40	Growing within a median	Impacted, due to the enhancement of the school
32	*Unknown ornamental*	20	Fair	Fair	Fair	60	20	Growing within a planter	Impacted, due to the enhancement of the school
33	*Unknown ornamental*	13,12	Fair	Fair	Fair	60	20	Growing within a planter	Impacted, due to the enhancement of the school
34	*Unknown ornamental*	15	Fair	Fair	Fair	30	25	Growing within a planter	Impacted, due to the enhancement of the school
35	*Unknown ornamental*	12	Fair	Fair	Fair	45	15	Growing within a planter	Impacted, due to the enhancement of the school
36	*Ulmus parvifolia*	8	Fair	Fair	Fair	30	15	Growing on slope	Impacted, due to the enhancement of the school
37	*Unknown ornamental*	8	Poor	Fair	Poor	20	10	Dead	Potential impacts; however, with proper pre-construction protection measures no removal is necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
38	*Quercus agrifolia*	11,9	Fair	Fair	Fair	30	40	On slope with poison oak	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
39	*Quercus agrifolia*	8,10,10,10,7	Fair	Fair	Fair	30	40	On slope with poison oak	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
40	*Quercus agrifolia*	9,8,7	Fair	Fair	Fair	30	40	Contains large broken branches	Avoided, no removal necessary
41	*Unknown ornamental*	9	Fair	Fair	Fair	30	15	slope	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
42	*Unknown ornamental*	8	Fair	Fair	Fair	30	15	slope	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
43	*Unknown ornamental*	8	Fair	Fair	Fair	30	15	slope	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
44	*Unknown ornamental*	8	Fair	Fair	Fair	30	15	Contains a bird feeder	Impacted, due to the enhancement of the school
45	*Quercus agrifolia*	11	Good	Good	Fair	30	15	Slope	Impacted, due to the enhancement of the school
46	*Julgans californica*	8	Fair	Fair	Fair	25	10	Slope	Impacted, due to the enhancement of the school
47	*Eucalyptus globulus*	32	Fair	Fair	Fair	60	20	Slope	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
48	*Julgans californica*	8,6,4	Fair	Good	Fair	25	10	Located on slope, contains deadwood and decay	Avoided, no removal necessary
49	*Quercus agrifolia*	10,10,12,14	Good	Fair	Fair	40	40	Slope and decay	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
50	*Ulmus parvifolia*	8	Fair	Fair	Fair	20	15	School lunch area	Impacted, due to the enhancement of the school
51	*Unknown ornamental*	17,10,12	Fair	Fair	Fair	30	20	School lunch area	Impacted, due to the enhancement of the school
52	*Jacaranda mimosifolia*	7,7	Fair	Fair	Fair	25	10	School lunch area; ivy	Impacted, due to the enhancement of the school
53	*Jacaranda mimosifolia*	8,6,9	Fair	Fair	Fair	30	10	Surrounded by ornamental shrubs	Impacted, due to the enhancement of the school
54	*Julgans californica*	12,10	Fair	Fair	Fair	25	10	Slope; ivy growing all over the trunks	Avoided, no removal necessary
55	*Julgans californica*	7	Fair	Fair	Fair	25	10	Leaning; ivy	Avoided, no removal necessary
56	*Julgans californica*	6,6,7	Fair	Fair	Fair	25	10	Contains deadwood, growing from within a lemonade berry bush	Avoided, no removal necessary
57	*Julgans californica*	13	Fair	Fair	Fair	25	10	Surrounded by ice plant; deadwood and decay	Avoided, no removal necessary
58	*Julgans californica*	5,5	Fair	Fair	Fair	25	10	Birdhouse; deadwood	Avoided, no removal necessary
59	*Julgans californica*	10,5,5	Fair	Fair	Fair	25	10	Adjacent to fence	Avoided, no removal necessary
60	*Quercus agrifolia*	9	Good	Good	Good	25	15	Vegetated slope	Avoided, no removal necessary
61	*Pinus* sp.	10	Fair	Fair	Fair	40	15	Adjacent to Tennis Courts near playing field	Impacted, due to the enhancement of the school
62	*Pinus* sp.	12	Fair	Fair	Fair	40	15	Adjacent to Tennis Courts near playing field	Impacted, due to the enhancement of the school
63	*Pinus* sp.	10	Fair	Fair	Fair	40	15	Adjacent to Tennis Courts near playing field	Impacted, due to the enhancement of the school

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
64	*Pinus* sp.	9	Fair	Fair	Fair	40	15	Adjacent to Tennis Courts near playing field	Impacted, due to the enhancement of the school
65	*Pinus* sp.	9	Fair	Fair	Fair	40	15	Adjacent to Tennis Courts near playing field	Impacted, due to the enhancement of the school
66	*Olea europa*	8	Fair	Fair	Fair	25	10	Bee hive near by, no tree tag	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
67	*Unknown ornamental*	9	Fair	Fair	Fair	25	15	Adjacent to storage unit	Impacted, due to the enhancement of the school
68	*Persea americana*	8	Fair	Fair	Fair	25	20	Adjacent to canopy covered bleachers	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
69	*Julgans californica*	11	Fair	Fair	Fair	25	10	Slope behind gym	Avoided, no removal necessary
70	*Julgans californica*	8,6,7	Fair	Fair	Fair	25	10	Slope behind gym	Avoided, no removal necessary
71	*Quercus agrifolia*	7	Good	Good	Good	20	10	Slope	Avoided, no removal necessary
72	*Ulmus parvifolia*	10	Fair	Fair	Fair	30	15	Toe of slope	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
73	*Pinus* sp.	10	Fair	Fair	Fair	40	20	Toe of slope	Avoided, no removal necessary
74	*Pinus* sp.	9,8	Fair	Fair	Fair	40	20	Toe of slope	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
75	*Pinus* sp.	11	Fair	Fair	Fair	40	20	Toe of slope	Avoided, no removal necessary
76	*Sapindus saponaria*	6,6,7	Fair	Fair	Fair	20	15	Adjacent to batting cages	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
77	*Sapindus saponaria*	8,8,6	Fair	Fair	Fair	20	15	Adjacent to batting cages	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
78	*Sapindus saponaria*	9	Fair	Fair	Fair	20	15	Adjacent to batting cages	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
79	*Pinus* sp.	9	Fair	Fair	Fair	40	10	North facing slope behind classrooms	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
80	*Schinus molle*	10	Fair	Fair	Fair	35	20	North facing slope behind classrooms	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
81	*Olea europa*	2 (10)	Fair	Fair	Fair	20	10	North facing Slope behind classrooms	Avoided, no removal necessary
82	*Pinus* sp.	27	Fair	Fair	Fair	55	15	slope	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
83	*Fraxinus* sp.	4,7	Fair	Fair	Fair	25	10	slope	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
84	*Sapindus saponaria*	6,5,5	Fair	Fair	Fair	15	15	Asphalt up to base of trunk	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
85	*Pinus* sp.	30	Fair	Fair	Fair	65	15	Slope	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
86	*Quercus agrifolia*	8	Good	Good	Good	25	10	Slope	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
87	*Pinus* sp.	27	Fair	Fair	Fair	65	15	Slope	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
88	*Quercus agrifolia*	8,4,3	Good	Good	Good	25	20	Slope	Avoided, no removal necessary
89	*Pinus* sp.	10	Fair	Fair	Fair	40	10	Slope	Avoided, no removal necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
90	*Pinus* sp.	10	Fair	Fair	Fair	40	10	Slope	Avoided, no removal necessary
91	*Juglans californica*	8	Fair	Fair	Fair	20	20	Leaning; slope	Avoided, no removal necessary
92	*Juglans californica*	9	Fair	Fair	Fair	30	15	Slope	Potential impacts; however, with proper pre-construction protection measures no removal is necessary
93	*Juglans californica*	8,8	Fair	Fair	Fair	30	15	Slope	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
94	*Quercus agrifolia*	7	Good	Good	Good	30	10	Planter	Impacted, due to the enhancement of the school
95	*Quercus agrifolia*	50	Good	Fair	Good	35	40	Located within development area; trunk is laying down in a low area (see Figure 6, *Tree Photographs*, photo No. 8, on page 11).	Impacted, due to the enhancement of the school
05-12-2005 Survey									
1	*Jacaranda mimosifolia*	11	Good	Good	Good	30	25	Nest	Potential impacts; however, with proper pre-construction protection measures no removal would be necessary
2	*Salix* sp.	11	Good	Good	Good	30	40	Nest	Avoided, no removal necessary
3	*Salix* sp.	11	Good	Good	Good	40	30		Avoided, no removal necessary
4	*Sapindus saponaria*	10	Good	Good	Good	30	25		Avoided, no removal necessary
5	*Sapindus saponaria*	8,5,6,7	Good	Good	Good	20	30	Slope; periwinkle and ice plant	Avoided, no removal necessary
6	*Sapindus saponaria*	8,6	Good	Good	Good	30	20	Adjacent to v-ditch	Avoided, no removal necessary
7	*Fraxinus* sp.	8	Good	Good	Good	20	15	Adjacent v-ditch	Avoided, no removal necessary
8	*Sapindus saponaria*	14	Good	Good	Good	25	20	English Ivy	Avoided, no removal necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
9	*Jacaranda mimosifolia*	12	Good	Good	Good	40	25	English Ivy	Avoided, no removal necessary
10	*Sapindus saponaria*	18	Good	Good	Good	25	30	English Ivy	Avoided, no removal necessary
11	*Quercus agrifolia*	22	Good	Good	Good	45	55	English Ivy	Avoided, no removal necessary
12	*Ulmus parvifolia*	11	Good	Good	Good	40	25	English Ivy growing up trunk	Avoided, no removal necessary
13	*Pinus* sp.	9	Good	Good	Good	60	15	English Ivy growing up truck	Avoided, no removal necessary
14	*Pinus* sp.	20	Good	Good	Good	40	60	English Ivy; laying down	Avoided, no removal necessary
15	*Pinus* sp.	28	Good	Good	Good	80	30		Avoided, no removal necessary
16	*Sapindus saponaria*	8,7,7,5	Fair	Fair	Fair	30	20		Avoided, no removal necessary
17	*Ulmus parvifolia*	12	Fair	Fair	Fair	35	25		Avoided, no removal necessary
18	*Pinus* sp.	26	Fair	Fair	Fair	70	20		Avoided, no removal necessary
19	*Pinus* sp.	26	Fair	Fair	Fair	70	20		Avoided, no removal necessary
20	*Pinus* sp.	26	Fair	Fair	Fair	70	20		Avoided, no removal necessary
21	*Pittosporum* sp.	8	Fair	Fair	Fair	20	10	Adjacent to retaining wall	Avoided, no removal necessary
22	*Jacaranda mimosifolia*	16	Fair	Fair	Fair	40	15	School Planter	Impacted, due to the enhancement of the school
23	*Magnolia grandiflora*	10	Fair	Fair	Fair			School Planter	Impacted, due to the enhancement of the school
24	*Magnolia grandiflora*	16	Fair	Fair	Fair	25	10	School Planter	Impacted, due to the enhancement of the school
25	*Pinus* sp.	30	Fair	Fair	Fair	65	20	School Planter	Impacted, due to the enhancement of the school
26	*Liquidambar styraciflua*	11	Fair	Fair	Fair	25	10	School Planter	Impacted, due to the enhancement of the school
27	*Liquidambar styraciflua*	10	Fair	Fair	Fair	25	10	School Planter	Impacted, due to the enhancement of the school
28	*Jacaranda mimosifolia*	11	Fair	Fair	Fair	30	20	School Planter	Impacted, due to the enhancement of the school

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
29	*Unknown ornamental*	8	Fair	Fair	Fair	25	10	School Planter	Impacted, due to the enhancement of the school
30	*Jacaranda mimosifolia*	14	Fair	Fair	Fair	40	20	School Planter	Impacted, due to the enhancement of the school
31	*Robinia* sp.	10	Fair	Fair	Fair	25	10	School Planter	Impacted, due to the enhancement of the school
32	*Podocarpus* sp.	16	Fair	Fair	Fair	35	20	School Planter	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
33	*Podocarpus* sp.	15	Fair	Fair	Fair	30	20	School Planter	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
34	*Podocarpus* sp.	10	Fair	Fair	Fair	20	10	School Planter	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
35	*Podocarpus* sp.	5,10	Fair	Fair	Fair	25	10	School Planter	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
36	*Podocarpus* sp.	14	Fair	Fair	Fair	25	10	School Planter	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
37	*Sapindus saponaria*	8,5,6	Fair	Fair	Fair	25	15	Grass Playing field; Adjacent to fence	Potential impacts; however, with proper pre-construction protection measures no removal would be necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
38	*Ulmus parvifolia*	12	Fair	Fair	Fair	25	20	Grass Playing field; Adjacent to fence	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
39	*Sapindus saponaria*	9,14	Fair	Fair	Fair	25	20	Grass Playing field; Adjacent to fence	Impacted, due to the enhancement of the school
40	*Olea europaea*	7,7,10	Fair	Fair	Fair	30	20	Grass Playing field; Adjacent to fence	Impacted, due to the enhancement of the school
41	*Olea europaea*	9,10	Fair	Fair	Fair	25	15	Grass Playing field; Adjacent to fence	Impacted, due to the enhancement of the school
42	*Olea europaea*	9,9,10,9	Fair	Fair	Fair	30	20	Grass Playing field; Adjacent to fence	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
43	*Olea europaea*	12	Fair	Fair	Fair	25	10	Grass Playing field; Adjacent to fence	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
44	*Ulmus parvifolia*	8	Fair	Fair	Fair	20	15	Grass Playing field; Adjacent to fence	Potential impacts; however, with proper pre-construction protection measures no removal would be necessary
45	*Sapindus saponaria*	8	Fair	Fair	Fair	15	15	Grass Playing field; Adjacent to fence	Potential impacts; however, with proper pre-construction protection measures no removal would be necessary
46	*Jacaranda mimosifolia*	6,4,2	Fair	Fair	Fair	35	10	Grass Playing field; Adjacent to fence	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
47	*Pinus* sp.	27	Fair	Fair	Fair	60	20		Potential impacts; however, with proper pre-construction protection measures no removal would be necessary
48	*Sapindus saponaria*	17	Fair	Fair	Fair	35	20	Adjacent to Bleachers	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
49	*Quercus agrifolia*	28	Fair	Fair	Fair	45	50	Scope; Adjacent to Bleachers	Avoided, no removal necessary
50	*Quercus agrifolia*	16	Fair	Fair	Fair	40	20	Slope; Adjacent Bleachers	Avoided, no removal necessary
51	*Juglans californica*	6,8	Fair	Fair	Fair	15	20	Scope; Adjacent Bleachers	Avoided, no removal necessary
52	*Juglans californica*	14,10	Fair	Fair	Fair	40	40	Slope; Adjacent to Bleachers	Avoided, no removal necessary
53	*Quercus agrifolia*	8	Fair	Fair	Fair	30	10	Slope; Adjacent to Bleachers	Avoided, no removal necessary
54	*Juglans californica*	6,8	Fair	Fair	Fair	20	40	Slope; Adjacent to Trail	Avoided, no removal necessary
55	*Quercus agrifolia*	9	Fair	Fair	Fair	35	10	Slope; Adjacent to Trail	Avoided, no removal necessary
56	*Quercus agrifolia*	20	Fair	Fair	Fair	50	40	Slope; Adjacent to Trail	Avoided, no removal necessary
57	*Juglans californica*	10,8	Fair	Fair	Fair	45	40	Slope; Adjacent to Trail	Avoided, no removal necessary
58	*Quercus agrifolia*	18,22	Fair	Fair	Fair	60	45	Slope; Adjacent to Trail	Avoided, no removal necessary
59	*Quercus agrifolia*	26	Fair	Fair	Fair	65	50	Slope; Adjacent to Trail	Avoided, no removal necessary
60	*Unknown ornamental*	8	Fair	Fair	Fair	30	20	Drainage Area	Avoided, no removal necessary
61	*Eucalyptus* sp.	18	Fair	Fair	Fair	65	10	Drainage Area	Avoided, no removal necessary
62	*Unknown ornamental*	8	Fair	Fair	Fair	30	10	Drainage Area	Avoided, no removal necessary
63	*Eucalyptus* sp.	14	Fair	Fair	Fair	70	18	Drainage Area	Avoided, no removal necessary
64	*Eucalyptus* sp.	12	Fair	Fair	Fair	70	18	Drainage Area	Avoided, no removal necessary
65	*Salix* sp.	10	Fair	Fair	Fair	30	20	Drainage Area	Avoided, no removal necessary
66	*Unknown ornamental*	7,8	Fair	Fair	Fair	35	10		Avoided, no removal necessary
67	*Sapindus saponaria*	8=5, 7	Fair	Fair	Fair	30	15		Avoided, no removal necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
68	*Juglans californica*	5,9,5	Fair	Fair	Fair	25	20	Behind Shed Area	Avoided, no removal necessary
69	*Juglans californica*	8	Fair	Fair	Fair	20	5		Potential impacts; however, with proper pre-construction protection measures no removal would be necessary
70	*Juglans californica*	14,10,18	Fair	Fair	Fair	25	25		Avoided, no removal necessary
71	*Quercus agrifolia*	9,10,9	Fair	Fair	Fair	45	30		Potential impacts; however, with proper pre-construction protection measures no removal would be necessary
72	*Quercus agrifolia*	18,12	Fair	Fair	Fair	40	30		Avoided, no removal necessary
73	*Prunus* sp.	9	Fair	Fair	Fair	15	10	Dead Tree; English Ivy	Avoided, no removal necessary
74	*Juglans californica*	11,10	Fair	Fair	Fair	30	20	English Ivy	Potential impacts; however, with proper pre-construction protection measures no removal would be necessary
75	*Juglans californica*	8,9,8,5	Fair	Fair	Fair	25	20	English Ivy	Avoided, no removal necessary
76	*Quercus agrifolia*	10	Fair	Fair	Fair	35	25	Nest	Avoided, no removal necessary
77	*Quercus agrifolia*	10	Fair	Fair	Fair	35	25	Nest	Avoided, no removal necessary
78	*Quercus agrifolia*	22,18	Fair	Fair	Fair	65	40	English Ivy	Avoided, no removal necessary
79	*Juglans californica*	8,5,6	Fair	Fair	Fair	20	15	Slope Above Parking Lot	Avoided, no removal necessary
80	*Juglans californica*	9	Fair	Fair	Fair	20	30	Slope above parking lot	Avoided, no removal necessary
81	*Juglans californica*	9,5,8	Fair	Fair	Fair	25	15	Slope above parking lot	Avoided, no removal necessary
82	*Juglans californica*	15	Fair	Fair	Fair	30	30	Slope Above Parking lot	Avoided, no removal necessary
83	*Quercus agrifolia*	18	Fair	Fair	Fair	40	40	Deadwood; slope above parking lot	Avoided, no removal necessary
84	*Juglans californica*	6,6,8	Fair	Fair	Fair	48	30	Decay; slope above parking lot	Avoided, no removal necessary
85	*Quercus agrifolia*	11	Fair	Fair	Fair	25	45	Decay; cavity	Avoided, no removal necessary
86	*Quercus agrifolia*	8,14	Fair	Fair	Fair	50	30	Decay; cavity	Avoided, no removal necessary
87	*Juglans californica*	5,5,5	Fair	Fair	Fair	25	15	Decay; cavity	Avoided, no removal necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
88	*Juglans californica*	8	Fair	Fair	Fair	25	15	Decay; cavity	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
89	*Juglans californica*	8	Fair	Fair	Fair	25	15	Decay; cavity	Impacted, due to the enhancement of the school
90	*Juglans californica*	8	Fair	Fair	Fair	25	15	Decay; cavity	Impacted, due to the enhancement of the school
91	*Quercus agrifolia*	8	Fair	Fair	Fair	20	10	Fence	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
92	*Juglans californica*	17,14	Fair	Fair	Fair	25	30	Fence	Impacted, due to the enhancement of the school
93	*Juglans californica*	10	Fair	Fair	Fair	30	40	Fence	Impacted, due to the enhancement of the school
94	*Quercus agrifolia*	18,16,15	Good	Good	Good	45	40	Slope	Impacted, due to the enhancement of the school
95	*Ficus* sp.	8,8,6,6,5,5	Good	Good	Good	30	30		Impacted, due to the enhancement of the school
96	*Juglans californica*	8	Good	Good	Good	20	15		Potential impacts; however, with proper pre-construction protection measures no removal would be necessary
97	*Quercus agrifolia*	9,9	Good	Good	Good	20	30		Avoided, no removal necessary
98	*Juglans californica*	8	Good	Good	Good	15	10		Avoided, no removal necessary
99	*Juglans californica*	8	Good	Good	Good	15	10		Avoided, no removal necessary
100	*Juglans californica*	8	Good	Good	Good	15	10		Avoided, no removal necessary
101	*Juglans californica*	5,6	Good	Good	Good	20	10		Avoided, no removal necessary
102	*Pinus* sp.	8	Good	Good	Good	25	10	Parking Lot	Avoided, no removal necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
03-14-2006 Survey									
79	*Juglans californica* var. *californica*	13	Fair	Fair	Fair	20	16	Tree #91 is approximately 17 feet northwest of tree #79c	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
80	*Juglans californica* var. *californica*	7,4	Fair	Fair	Fair	18	12	Tree #92 is approximately 13 feet southwest of tree #80c	Impacted, due to the enhancement of the school
81	*Quercus agrifolia*	9,11,12,	Good	Fair	Good	22	20		Potential impacts; however, with proper pre-construction protection measures no removal would be necessary
82	*Juglans californica* var. *californica*	7,3	Fair	Fair	Fair	12	16	Laying down; decay	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
83	*Quercus agrifolia*	8	Fair	Fair	Fair	16	10	Lean; decay; deadwood	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
84	*Quercus agrifolia*	10	Fair	Fair	Fair	23	14	Slight lean	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
85	*Juglans californica* var. *californica*	9,10	Fair	Fair	Fair	16	20	Slight lean	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
86	*Quercus agrifolia*	8,8,9	Fair	Fair	Fair	17	12		Potential impacts; however, with proper pre-construction protection measures no removal would be necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
87	*Juglans californica* var. *californica*	5	Fair	Fair	Fair	12	8	Broken co-dominant trunk	Impacted, due to the enhancement of the school
88	*Juglans californica* var. *californica*	5,2	Fair	Fair	Fair	12	8		Impacted, due to the enhancement of the school
89	*Juglans californica* var. *californica*	4,2,7	Fair	Fair	Fair	12	8	Broken co-dominant trunk; decay	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
90	*Quercus agrifolia*	14	Fair	Fair	Fair	20	16	Point is approximately 15 feet east-northeast of tree	Avoided, no removal necessary
91	*Juglans californica* var. *californica*	7,5	Fair	Fair	Fair	15	12		Impacted, due to the enhancement of the school
92	*Juglans californica* var. *californica*	5,4,4,3,2,2,2	Fair	Fair	Fair	13	8	Barbed wire	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
93	*Juglans californica* var. *californica*	7,9,2	Fair	Fair	Fair	15	8		Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
94	*Juglans californica* var. *californica*	6	Fair	Fair	Fair	18	10		Impacted, due to the enhancement of the school
95	*Juglans californica* var. *californica*	5,3	Fair	Fair	Fair	15	8		Impacted, due to the enhancement of the school
96	*Juglans californica* var. *californica*	4,6,6,4,5	Fair	Fair	Fair	18	12	Barbed wire; decay	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
97	*Juglans californica* var. *californica*	3,6	Fair	Fair	Fair	16	12	Decay	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary

Tree No.	Tree Species	DBH (in)[a]	Health	Structure	Aesthetics	Tree Height (ft)	Canopy Width (ft)	Comments	Reason for Removal
98	*Quercus agrifolia*	4	Fair	Fair	Fair	12	8		Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
99	*Juglans californica* var. *californica*	5,5,6,4,3,4	Fair	Fair	Fair	16	10	Barbed wire	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
100	*Juglans californica* var. *californica*	7,5,5,4	Fair	Fair	Fair	16	8	Poison oak	Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
482	*Juglans californica* var. *californica*	5,4	Fair	Fair	Fair	12	8		Impacted, due to the enhancement of the school
486	*Juglans californica* var. *californica*	8	Fair	Fair	Fair	16	8	Decay at base of tree	Impacted, due to the enhancement of the school
487	Juglans californica var. californica	7,8,5,4	Fair	Fair	Fair	16	8		Partial impacts may occur; however, with proper pre-construction protection measures no removal would be necessary
494	Juglans californica var. californica	5	Fair	Fair	Fair	14	5		Avoided, no removal necessary
500	*Juglans californica* var. *californica*	4	Fair	Fair	Fair	12	8		Impacted, due to the enhancement of the school

[a] ***DBH*** *equals diameter at base height in inches and multiple numbers equals multiple tree trunks.*

Appendix E:

Cultural Resources Records Search

South Central Coastal Information Center
California Historical Resources Information System
California State University, Fullerton
Department of Anthropology
800 North State College Boulevard
Fullerton, CA 92834-6846
714.278.5395 / FAX 714.278.5542
anthro.fullerton.edu/sccic.html - sccic@fullerton.edu

Ventura
Los Angeles
Orange

September 2, 2003 SCCIC # 2756

Ms. Jan Ostashay
PCR
One Venture, Suite 150
Irvine, CA 92618
949.753.7001

RE: Records Search for the Sherman Oaks Area, City of Los Angeles, Los Angeles County: Half-mile Radius, Van Nuys Quad 7.5'

Dear Ms. Ostashay,

As per your request received on August 18, 2003, we have conducted an expedited records search for the above referenced project. This search includes a review of all recorded historic and prehistoric archaeological sites within a 1/2-mile radius of the project area as well as a review of all known cultural resource reports. In addition, we have checked our file of historic maps, the California Points of Historical Interest (PHI), the listing of California Historical Landmarks (CHL), the California Register of Historic Places (CR), the National Register of Historic Places (NR), the California State Historic Resources Inventory (HRI), and the listing of the City of Los Angeles Historic-Cultural Monuments for the referenced project. The following is a discussion of our findings for the project area.

Van Nuys 7.5' USGS Quadrangle

ARCHAEOLOGICAL RESOURCES:

No prehistoric archaeological sites have been identified within a 1/2-mile radius of the project area. No prehistoric isolates have been identified within a 1/2-mile radius of the project area.

No historic archaeological sites have been identified within a 1/2-mile radius of the project area. No historic isolates have been identified within a 1/2-mile radius of the project area.

HISTORIC RESOURCES:

No recorded historic built environments have been identified within a 1/2-mile radius of the project area.

Copies of our historic maps – Santa Monica (1906 and 1921) 15' USGS - are enclosed for your review.

The California Point of Historical Interest (1992) of the Office of Historic Preservation, Department of Parks and Recreation, lists no properties within a 1/2-mile radius of the project area.

The California Historical Landmarks (1990) of the Office of Historic Preservation, Department of Parks and Recreation, lists no properties within a 1/2-mile radius of the project area.

The California Register of Historic Places lists no properties within a 1/2-mile radius of the project area.

The National Register of Historic Places lists no properties within a 1/2-mile radius of the project area.

The City of Los Angeles Historic-Cultural Monuments lists no properties within a 1/2-mile radius of the project area.

The California Historic Resources Inventory lists no properties that have been evaluated for historical significance within a 1/2-mile radius of the project area.

PREVIOUS CULTURAL RESOURCES INVESTIGATIONS:

One study (LA1010*) has been conducted within a 1/2-mile radius of the project area. This study appears to be located within the boundaries of the project area. There are 16 additional investigations located on the Van Nuys 7.5' USGS Quadrangle that are potentially within a 1/2-mile radius of the project area. These reports are not mapped due to insufficient locational information. A bibliography of these reports is available upon request.
(* = Located within the project area)

Please forward a copy of any reports from this project to our office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you **do not include** records search maps in your report. If you have any questions regarding the results presented herein, please feel free to contact our office at 714.278.5395 Monday through Thursday 8:00 am to 3:30 pm.

Invoices are mailed approximately two weeks after records searches are completed. This enables your firm to request further information under the same invoice number. Please reference the invoice number listed below when making inquiries. Requests made after the invoicing will result in the preparation of a separate invoice with a $15.00 handling fee.

Sincerely,
SCCIC

Stacy St. James
Assistant Coordinator

Enclosures:

( ) Primary Number Explanation
( ) Site List
( ) Survey List
(X) Maps – 7.5' USGS Quadrangle, 15' USGS Quadrangle
(X) Bibliography – 1 page
( ) HRI
( ) National Register Status Codes
( ) Site Records
( ) Survey Reports
(X) Confidentiality Form
(X) Invoice # 1112

NATURAL HISTORY MUSEUM
OF LOS ANGELES COUNTY

Vertebrate Paleontology Section
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19 August 2003

Planning Consultants Research
One Venture, Suite 150
Irvine, CA 92618

Attn: Jan Ostashay, Director of Cultural Resources Management

re: Paleontological Records Search for the proposed 3900 Stansbury Avenue, Sherman Oaks, City of Los Angeles, Los Angeles County, half mile radius, Van Nuys quad 7.5', project area

Dear Jan:

I have conducted a thorough search of our Vertebrate Paleontology records for the proposed 3900 Stansbury Avenue, Sherman Oaks, City of Los Angeles, Los Angeles County, half mile radius, Van Nuys quad 7.5', project area as outlined on the section of the Van Nuys USGS topographic quadrangle map that you faxed to me on 18 August 2003. We have no localities directly within the proposed project area, but do we have vertebrate fossil localities nearby the same or similar sedimentary deposits.

Immediately along Stansbury Avenue there are surficial deposits of Quaternary Alluvium that are unlikely to contain significant vertebrate fossils, at least in the uppermost layers. Below the Quaternary Alluvium, as well as farther back in the hill, there are bedrock deposits of the upper shale of the marine Late Miocene Modelo Formation (also known as the Monterey Formation in the area). We have several important vertebrate fossil localities from this rock unit within a half mile radius of the proposed project area including LACM (CIT) 387, around Hollyvine Avenue east-northeast of the proposed project area, LACM 7285, around Camino de la Cumbre southwest of the proposed project area, LACM 1408 and 5063, around Davana Road southeast and east-southeast respectively of the proposed project area, and LACM 7045 and especially LACM (CIT) 326, between Beverly Ridge Drive and Oakfield Drive west-southwest of the proposed project area. These localities have produced a suite of marine fossil vertebrates (see attachment) including an uncommon fossil of a sperm whale, *Scaldicetus*, from locality LACM 1408. Most importantly, locality LACM (CIT) 326 produced an extensive fossil fish fauna including the holotypes (name-bearing specimens for species new to science) of *Lampanyctus bolini*, *Lampanyctus petrolifer*, *Chauliodus barbatus*, and *Hipposyngnathus imporcitor*. The *Lampanyctus* species were named by L.R. David (1943. Miocene

fishes of southern California. Geological Society of America Special Papers, 43:1-193.), *Chauliodus barbatus* was named by J.M. Crane (1966. Late Tertiary radiation of viperfishes (Chauliodontidae) based on a comparison of Recent and Miocene species. Contributions in Science, Natural History Museum of Los Angeles County, 115:1-29.), and *Hipposyngnathus imporcitor* was named by R.A. Fritzsche (1980. Revision of the eastern Pacific Syngnathidae (Pisces: Syngnathiformes), including both Recent and fossil forms. Proceedings of the California Academy of Science, 42(6):181-227.).

Very shallow excavations in the proposed project area that occur only in the uppermost Quaternary Alluvium immediately along Stansbury Avenue may not uncover recognizable vertebrate fossil remains. Deeper excavations or any excavations into the hillside, however, have a excellent chance of encountering significant fossil vertebrate specimens. Therefore, any substantial excavation below the uppermost Quaternary Alluvium in the proposed project area should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Additionally, because some of these sites in the area produced only small vertebrate remains that cannot be seen during normal excavation activities, it is recommended that sediment samples be collected and processed to determine the potential for small fossils in these deposits. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,

Samuel A. McLeod

Samuel A. McLeod, Ph.D.
Vertebrate Paleontology

enclosure: attachment, invoice

Composite fossil fauna from localities
LACM (CIT) 326, 387, LACM 1408, 5063, 7045 and 7285
within a half-mile radius of 3900 Stansbury Avenue

Chondrichthyes
- Lamniformes
  - Lamnidae - mackerel sharks
    - *Isurus* *hastalis*

Osteichthyes
- Clupeiformes
  - Clupeidae - herrings
    - *Ganolytes* *cameo*
    - *Xyne* *grex* - Published
- Gadiformes
  - Gadidae - cods
    - *Eclipes*
- Myctophiformes
  - Myctophidae - lanternfishes
    - *Lampanyctus* *bolini* - HOLOTYPE
    - *Lampanyctus* *petrolifer* - HOLOTYPE
- Perciformes
  - Carangidae - jacks
    - *Decapterus* *agilis*
  - Gempylidae - snake mackerels
    - *Thyrsocles* *kriegeri*
  - Scombridae - mackerels & tunas
    - *Scomber* - Published
- Salmoniformes
  - Bathylagidae - deep sea smelts
    - *Bathylagus* *angelensis* - Figured
    - *Quaesita* *angelensis*
- Stomiatiformes
  - Chauliodontidae - viperfishes
    - *Chauliodus* *barbatus* - HOLOTYPE
  - Gonostomidae - bristlemouths
    - *Cyclothone* *solitudinis*
- Syngnathiformes
  - Syngnathidae - pipefishes & seahorses
    - *Hipposyngnathus* *imporcitor* - HOLOTYPE
    - *Syngnathus* *avus* - Published

Mammalia
- Cetacea
  - Physeteridae - sperm whales
    - *Scaldicetus*