November 2019| Initial Study/Mitigated Negative Declaration

JOHN F. KENNEDY HIGH SCHOOL

Comprehensive Modernization Project

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John F. Kennedy High School

Historical Resources Evaluation Report

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April 2018

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1 Executive Summary

Rincon Consultants, Inc. (Rincon) was retained by the Los Angeles Unified School District (LAUSD) to complete a historical resources evaluation of the John F. Kennedy High School campus (Kennedy High School, or subject campus), located at 11254 Gothic Avenue in the Granada Hills-Knollwood Community Plan Area of Los Angeles, California. The roughly square, 27.4-acre parcel was initially developed in 1971 and currently contains 22 permanent buildings and 22 portable buildings.

This evaluation was prepared to inform future planning efforts and to facilitate compliance with the LAUSD's cultural resource policies and the California Environmental Quality Act (CEQA), which requires lead agencies to consider the impacts of proposed projects on historical resources. All work completed as part of the current effort was conducted in accordance with the requirements of CEQA and applicable local regulations.

The current study included background research, an intensive-level field survey, and preparation of this Historical Resources Evaluation Report (HRER). The report includes an overview of character-defining features for the campus and its contributing buildings. The list of character-defining features provided in this evaluation is a preliminary (rather than comprehensive) first step in the identification of the most salient extant character-defining features of the campus overall and of its individual contributors. The scope of work for the current evaluation does not include a room-by-room analysis of character-defining features or of a proposed project and potential impacts. Should a more detailed analysis of character-defining features be required once a proposed project has been designed, it is recommended that LAUSD request additional input and guidance from a historic preservation professional as needed.

As a result of this analysis, Kennedy High School appears eligible for both the California Register of Historical Resources and for local designation as a historic district under Criteria 3/3, as an outstanding embodiment of the Mid-Century Modern/New Formalist architectural style as applied to an institutional/educational facility. The period of significance for this association is 1971, corresponding with the primary date of construction for the campus.

The campus includes nine contributing buildings as well as a contributing landscape as follows:

- Library Building
- Science Building
- Classroom #1
- Cafeteria and Lunch Pavilion
- Student Store
- Oral Arts Building and Auditorium
- Music Building
- Classroom #2
- Adult School/ Classroom

Complete results, including a map and property list, are included in the report sections.

As a property that is eligible for state and local designation, the Kennedy High School Historic District qualifies as a historical resource for the purposes of CEQA. This HRER details the distinctive physical features that convey the significance of this historical resource and that should be retained to avoid significant adverse impacts under CEQA.

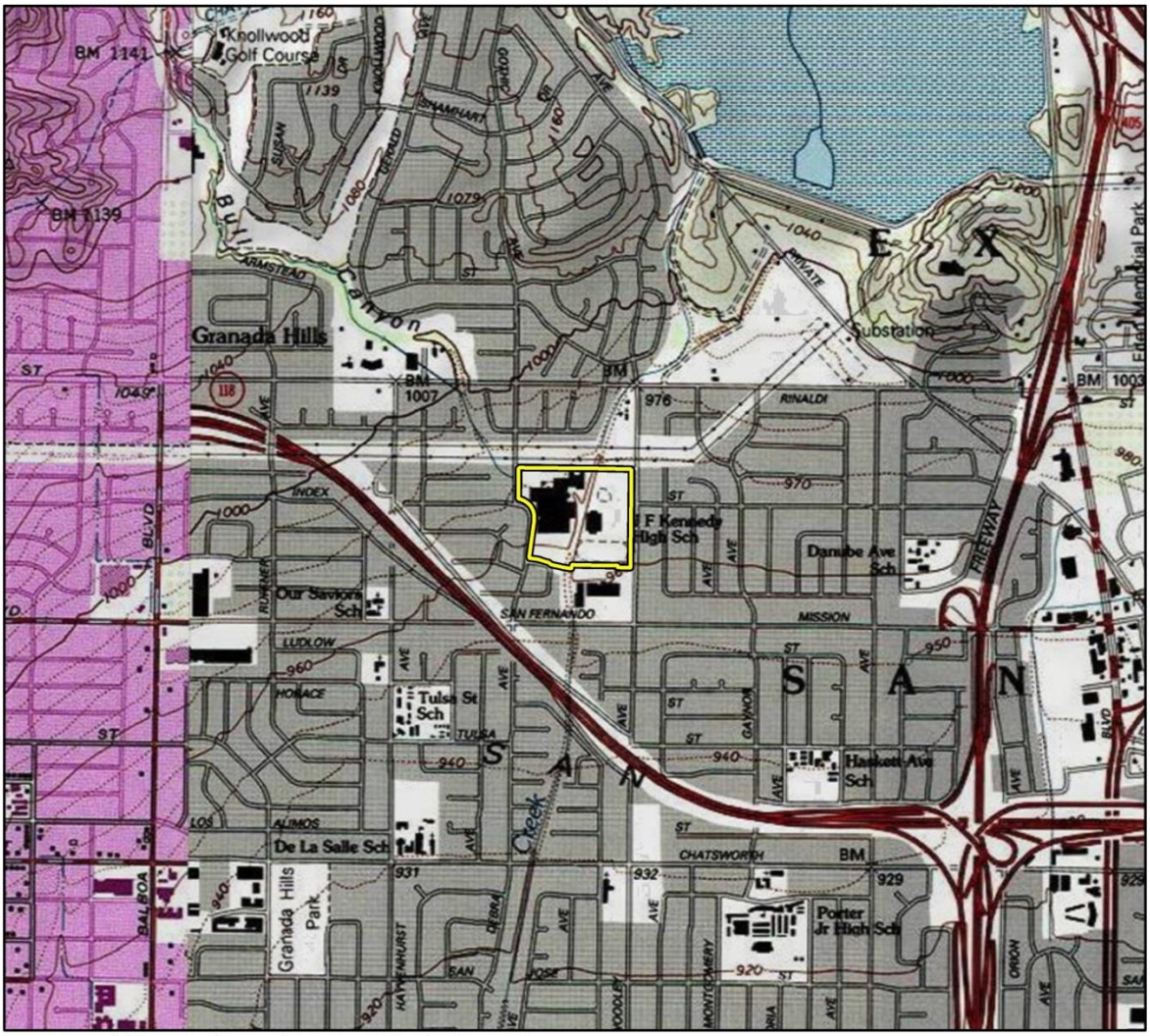
Rincon Senior Architectural Historian Steven Treffers served as the project lead, with oversight and quality assurance/quality control provided by Architectural History Program Manager Shannon Carmack and Senior Architectural Historian Debi Howell-Ardila. Additional assistance was provided by Rincon Architectural Historians Rachel Perzel and Susan Zamudio-Gurrola. All of these individuals meet and exceed the Secretary of the Interior's Professional Qualifications Standards for Architectural History and History.

2 Introduction

In order to inform future planning efforts, Rincon was retained by LAUSD to complete a historical resources evaluation of Kennedy High School. The methodology for this historical resources evaluation follows best professional practices and LAUSD's adopted policies and procedures for the identification, documentation, and treatment of historical resources.

Kennedy High School is located at the northern end of the San Fernando Valley, just north of State Route 118 and west of Interstate 405 (Figure 1). It occupies an irregularly shaped the 27.4-acre parcel, which is roughly bound by Gothic Avenue to the west, Simonds Street to the north, Woodley Avenue to the east (Figure 2). The immediate surrounding area is primarily characterized by residential development, with some commercial properties adjacent to the southeast corner of the campus.

Figure 1 Vicinity Map



Imagery provided by National Geographic Society, ESRI and its licensors © 2017. San Fernando Quadrangle. T02N R15W S07. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.

Kennedy High School

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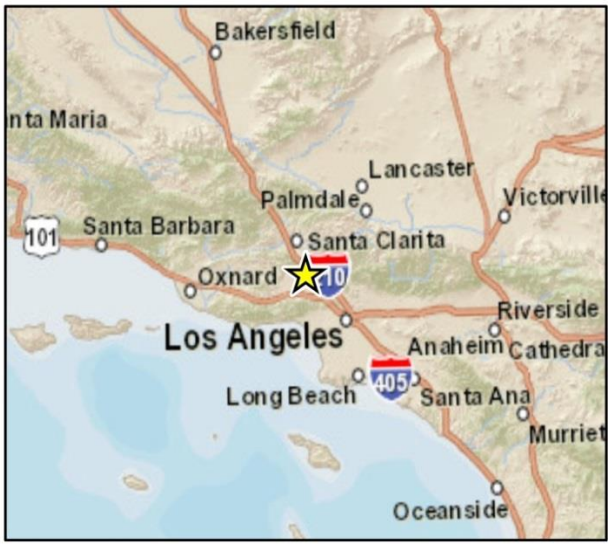
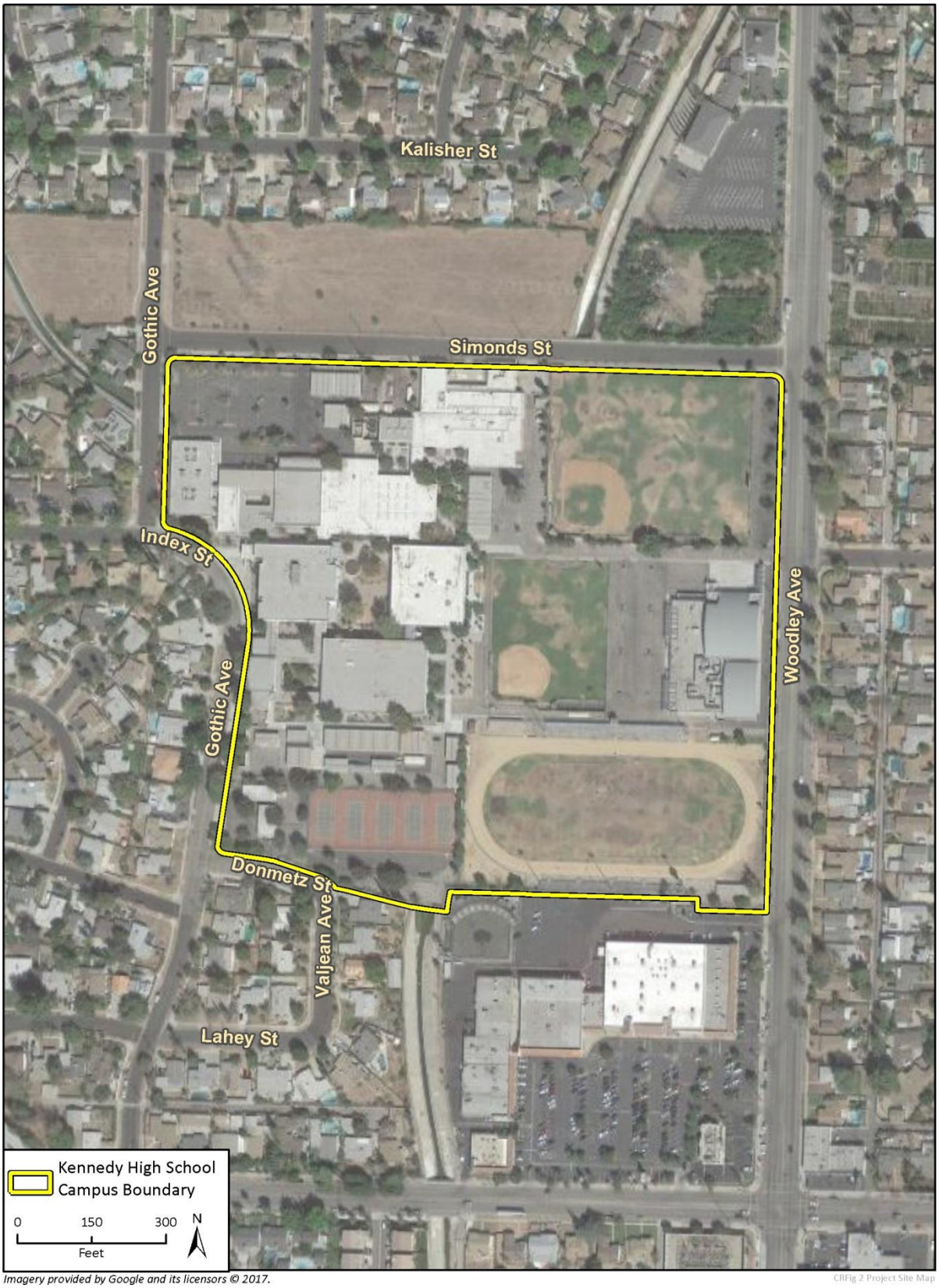


Figure 2 Location Map



Imagery provided by Google and its licensors © 2017.

CRFig 2 Project Site Map

2.1 Regulatory Framework

CEQA requires lead agencies to consider the impacts of proposed projects on historical resources. Under CEQA, historical resources are defined as a property that is listed in, or is eligible for listing in, the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), or a local register. Eligible resources may include buildings, sites, structures, objects, cultural landscapes, and historic districts. Properties that are listed in the NRHP or found eligible for the NRHP through consensus with the State Office of Historic Preservation are automatically listed in the CRHR. Federal, state, and local designation criteria are presented below.

National Register of Historic Places

The NRHP was established by the National Historic Preservation Act (NHPA) of 1966 as "an authoritative guide to be used by Federal, State, and local governments, private groups and citizens to identify the Nation's cultural resources and to indicate what properties should be considered for protection from destruction or impairment."[1] The NRHP recognizes properties that are significant at the national, state, and local levels. To be eligible for listing in the NRHP, a resource must be significant in American history, architecture, archaeology, engineering, or culture. Districts, sites, buildings, structures, and objects of potential significance must also possess integrity of location, design, setting, materials, workmanship, feeling, and association. A property is eligible for the NRHP if it is significant under one or more of the following criteria:

Criterion A. It is associated with events that have made a significant contribution to the broad patterns of our history.

Criterion B. It is associated with the lives of persons who are significant in our past.

Criterion C. It embodies the distinctive characteristics of a type, period, or method of construction, or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.

Criterion D. It has yielded, or may be likely to yield, information important in prehistory or history.

In addition to meeting at least one of the above designation criteria, resources must also retain integrity, or enough of their historic character or appearance to be "recognizable as historical resources and to convey the reasons for their significance."[2] The National Park Service recognizes seven aspects or qualities that, considered together, define historic integrity. To retain integrity, a property must possess several, if not all, of these seven qualities, which are defined in the following manner:

1. **Location.** The place where the historic property was constructed or the place where the historic event occurred
2. **Design.** The combination of elements that create the form, plan, space, structure, and style of a property
3. **Setting.** The physical environment of a historic property

[1] CFR 36 CFR 60.2.
2 California Office of Historic Preservation, "California Register and National Register: A Comparison (for Purposes of Determining Eligibility for the California Register)," Technical Assistance Series No. 6. (Sacramento, CA, 14 March 2006).

4. **Materials.** Materials are the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property
5. **Workmanship.** The physical evidence of the crafts of a particular culture or people during any given period in history or prehistory
6. **Feeling.** A property's expression of the aesthetic or historic sense of a particular period of time
7. **Association.** The direct link between an important historic event or person and a historic property[3]

California Register of Historical Resources

Created in 1992 and implemented in 1998, the CRHR is "an authoritative guide in California to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change."[4] Certain properties, including those listed in or formally determined eligible for listing in the NRHP and California Historical Landmarks numbered 770 and higher, are automatically included in the CRHR. Other properties recognized under the California Points of Historical Interest program, identified as significant in historical resources surveys, or designated by local landmarks programs, may be nominated for inclusion in the CRHR. According to PRC Section 5024.1(c), a resource, either an individual property or a contributor to a historic district, may be listed in the CRHR if the State Historical Resources Commission determines that it meets one or more of the following criteria, which are modeled on NRHP criteria:

Criterion 1. It is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.

Criterion 2. It is associated with the lives of persons important in our past.

Criterion 3. It embodies the distinctive characteristics of a type, period, region, or method of installation, or represents the work of an important creative individual, or possesses high artistic values.

Criterion 4. It has yielded or may be likely to yield information important in prehistory or history.

It is possible that a resource that does not possess sufficient integrity for NRHP listing may still be eligible for the CRHR. Further, while NRHP eligibility typically requires a property to be at least 50 years of age, there is no age requirement for listing in the CRHR. Rather, regulations specify that enough time must have passed for a property to be evaluated within its historic context.

Los Angeles Historic-Cultural Monuments

Local landmarks in the city of Los Angeles are known as Historic-Cultural Monuments and are under the aegis of the Los Angeles Planning Department, Office of Historic Resources . An Historic-Cultural Monument is defined in the Cultural Heritage Ordinance as follows:

> Historic-Cultural Monument (Monument) is any site (including significant trees or other plant life located on the site), building or structure of particular historic or cultural significance to the

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3 U.S. Department of the Interior, National Park Service. "How to Apply the National Register Criteria for Evaluation, "*National Register Bulletin* No. 15 (Washington D.C., 2002).

[4] Public Resources Code, Sections 21083.2 and 21084.1

City of Los Angeles, including historic structures or sites in which the broad cultural, economic or social history of the nation, State or community is reflected or exemplified; or which is identified with historic personages or with important events in the main currents of national, State or local history; or which embodies the distinguishing characteristics of an architectural type specimen, inherently valuable for a study of a period, style or method of construction; or a notable work of a master builder, designer, or architect whose individual genius influenced his or her age.[5]

2.2 Methods

This historical resources evaluation was conducted and completed in accordance with recognized professional standards, following the Secretary of the Interior's Standards for Preservation Planning, Identification, Evaluation and Registration; California Office of Historic Preservation; and National Park Service professional standards and guidelines. Applicable national, state, and local level criteria were considered, as were the context-driven methods and framework used in *LAUSD Historic Context Statement, 1869-1970* and other applicable historic context statements, including SurveyLA, the citywide historic resources survey conducted by the Los Angeles Office of Historic Resources.[6]

Efforts were made to identify previous historical resource evaluations of the subject campus and other related LAUSD schools. This included a records search of the California Historical Resources Information System, which was conducted at the South Central Coastal Information Center at California State University, Fullerton in June 2017. The California Historical Resources Information System search reviewed the combined listings of the NRHP, CRHR, California State Historical Landmarks, California Points of Historical Interest, and California Historic Resources Inventory. In addition, the findings of the following surveys were reviewed:

- Post-1994 Northridge Earthquake Historical Resources Surveys: These surveys were conducted for the Federal Emergency Management Agency in support of compliance with Section 106 of the National Preservation Act and recorded 71 LAUSD campuses.
- Phase 1 and 2 Getty Surveys: These surveys were conducted in two multi-year phases between 2001 and 2004 and expanded on the post-Northridge Earthquake surveys, covering approximately 410 LAUSD campuses.[7]
- 2014 LAUSD Historic Resources Survey: Completed in 2014, this historic resources survey included 55 LAUSD campuses, which at the time of survey, were over 45 years of age. Of these, 14 were found eligible for NRHP and/or CRHR listing.[8]
- SurveyLA: A multi-year, citywide historical resources survey that is currently being finalized by the Los Angeles Office of Historic Resources.

Property-specific research was also conducted to document the construction and alteration history of the subject campus and to explore potential significant associations. A package of historic aerial and topographic maps and Sanborn Fire Insurance Maps for the property was acquired from

[5] Los Angeles Municipal Code Section 22.171.7, Added by Ordinance No. 178,402, Effective 4-2-07
[6] Sapphos Environmental, Inc. *Los Angeles Unified School District: Historic Context Statement, 1870 to 1969* (Los Angeles Unified School District Office of Environmental Health and Safety, March 2014). As part of SurveyLA, the Los Angeles Department of City Planning Office of Historic Resources has been developing a citywide historic context statement, which provides a framework for identifying and evaluating the city's historic resources; see Los Angeles Department of City Planning Office of Historic Resources, "SurveyLA, Historic Context," https://preservation.lacity.org/historic-context (accessed 2 October 2017).
[7] Leslie Heumann, "Historic Resources Survey of the Los Angeles Unified School District," (Science Applications International Corporation, 2002-2004).
[8] Sapphos Environmental, Inc. *Los Angeles Unified School District: Historic Resources Survey Report* (Los Angeles Unified School District Office of Environmental Health and Safety, June 2014).

Environmental Data Resources. Other sources reviewed include the combined collections of ProQuest historical newspapers, historic *Los Angeles Times*, Los Angeles Public Library (including the California Index), University of Southern California Libraries and Special Collections, as well as the online photographic collection of the Huntington Library and yearbooks at Classmates.com. Rincon staff also reviewed Vault Drawings on file with LAUSD, which include architectural plans and drawings detailing the construction and alteration histories of the subject campus and its buildings.

Steven Treffers and Rachel Perzel conducted an intensive-level survey of the subject campus on July 12, 2017. All buildings and structures on the subject campus were photographed and documented in field notes describing primary and secondary character-defining features, materials, and alterations. The survey included both the exterior and interior of campus buildings, in order to identify character-defining features. In accordance with best practices, adopted LAUSD cultural resource policies, and guidance from the National Park Service, character-defining features include "the overall shape of the building, its materials, craftsmanship, decorative details, interior spaces and features, as well as the various aspects of its site and environment."[9] Per NPS Preservation Brief 17, interior features can include spaces, features, and finishes that lend a historic resource its visual character and therefore contribute to its historic significance. Such features can include "stairways and balustrades, arched openings, interior shutters, cornices, ceiling medallions, light fixtures, balconies, doors, windows, hardware, wainscoting, panelling, trim, waiting room benches," among many other features.[10] In keeping with National Park Service Preservation Brief 17, "It is important that the visual aspects of a building's interior character be recognized before planning any changes or alterations."[11]

This HRER concludes with an overview of the character-defining features of the Kennedy High School campus and its contributing buildings. The list of character-defining features provided in this evaluation is a preliminary (rather than comprehensive) first step in the identification of the most salient character-defining features of the historic district and its contributing elements. The scope of work for the current evaluation does not include a room-by-room analysis of character-defining features, nor does it examine potential project impacts. Once a proposed project has been designed, should a more detailed analysis of character-defining features be needed in accordance with LAUSD cultural resource policies, it is recommended that LAUSD request additional input and guidance from a historic preservation professional.

2.3 Previous Historical Resource Surveys

In 2015, the subject campus was evaluated as part of SurveyLA, the citywide historic resources survey undertaken by the Los Angeles OHR. John F. Kennedy High School is in the Granada Hills-Knollwood CPA.[12] SurveyLA found that Kennedy High School is historically significant as an excellent example of the Mid-century Modern/New Formalist[13] style applied to institutional/educational architecture. The campus was found eligible for listing in the CRHR and as a Los Angeles HCM under

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[9] Nelson, Lee H., FAIA. US Department of the Interior. Preservation Brief 17: Architectural Character: Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character." National Park Service, Washington, DC, US Government Printing Office

[10] Nelson, Lee H., FAIA. US Department of the Interior. Preservation Brief 17: Architectural Character: Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character." National Park Service, Washington, DC, US Government Printing Office

[11] Nelson, Lee H., FAIA. US Department of the Interior. Preservation Brief 17: Architectural Character: Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character." National Park Service, Washington, DC, US Government Printing Office

[12] Historic Resources Group, *Historic Resources Survey Report: Granada Hills-Knollwood Community Plan Area* (City of Los Angeles Department of City Planning, Office of Historic Resources, August 2015).

[13] Research on New Formalism included a review of the following documents in order to gain an understanding the of the style: *City of Riverside Modernism Context, Historic Context Report for the City of Pasadena, San Jose Modernism Historic Context Statement, San Francisco Modern Architecture and Landscape Design 1935-1970 Historic Context Statement.*

Criterion 3, for its architecture. Because Kennedy High School was not 50 years old at the time of the SurveyLA evaluation, and because the campus was found not to meet the requirements of Criteria Consideration G threshold of “exceptional importance,” the campus was found ineligible for NRHP listing.

3 Site History and Description

3.1 Overview of Campus

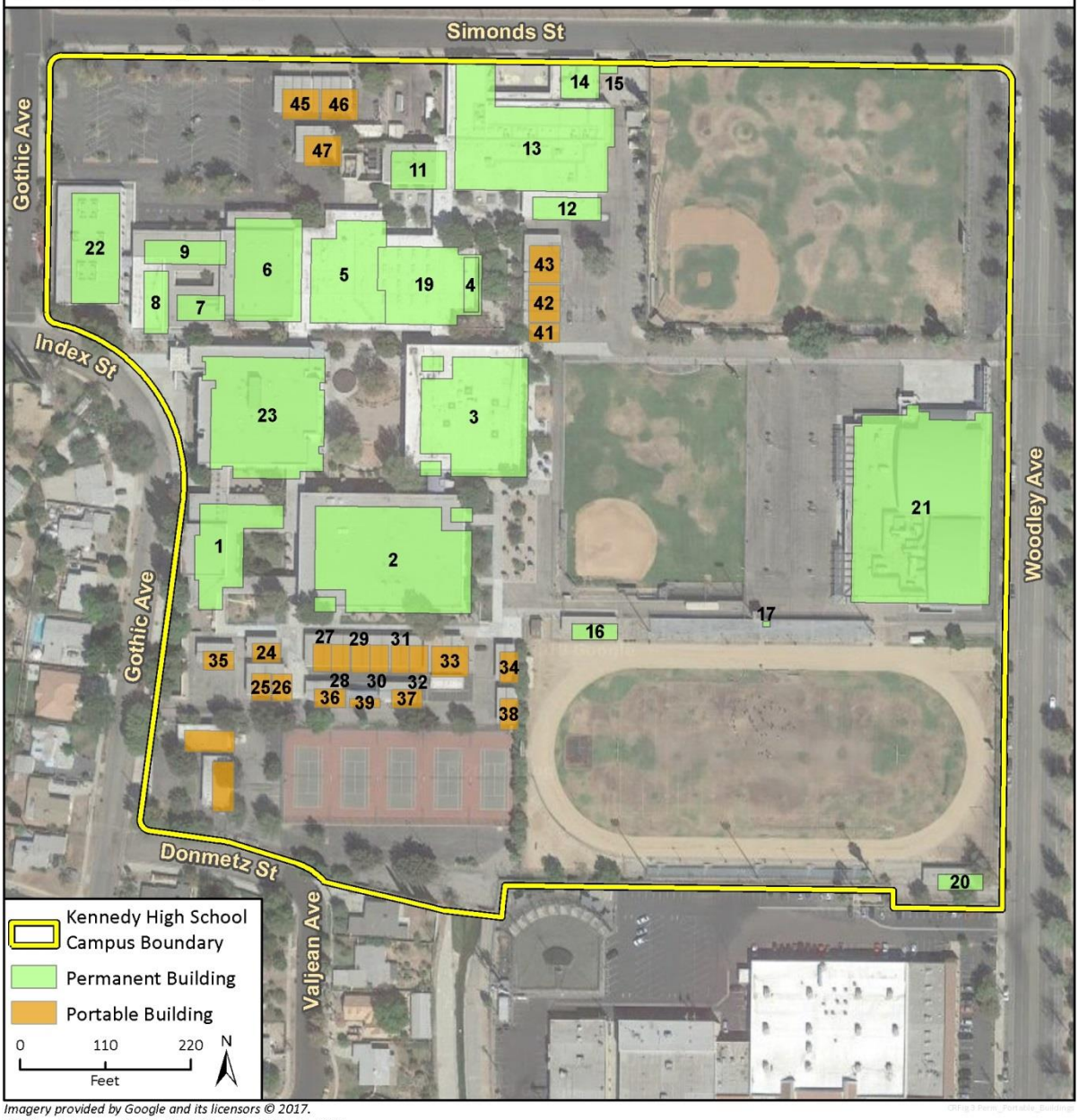
Located in the residential neighborhood of Granada Hills, Kennedy High School occupies three assessor's parcels totaling 27.4 acres. The campus is bounded by Gothic Avenue to the west, Simonds Street to the north, Woodley Avenue to the east; the southern boundary is partially formed by Donmetz Street and partially formed by the rear of a commercial development complex. Constructed in 1971, the campus architectural style is categorized as Mid-Century Modern with New Formalist design elements. Totaling 44 buildings, the campus consists of 19 permanent buildings constructed in 1971, three permanent buildings added to the campus between 2000 and 2003, and 22 portable, non-permanent structures that have been added to meet demand in the years spanning 1980 to 2003 (Figure 3).

Organized around a prominent central courtyard, the campus is arranged in a unified cluster-like site plan, primarily consisting of one- and two-story square and rectangular structures clad with rusticated brick veneer. Structures radiate out from the central courtyard; with the exception of the 2003 Gymnasium Building, they have a distinct feel of being massed or grouped together on the western half of the campus. The southern and eastern portions of the campus are primarily composed of greenspace in the form of sports fields, tennis courts and a track, as well as the Gymnasium at the east, center. The baseball diamond and track/football field are original to the 1971 design, as are the bleachers, announcer's booth, and other ancillary buildings that surround the football field. Later additions in these areas include tennis courts and the central baseball field, both of which were built following the construction the 2003 Gymnasium Building.

Permanent campus buildings are connected to one another via a network of sidewalks and covered breezeways, which are capped with thick flat roofs supported by square concrete columns. The breezeways, along with an abundance of square and rectangular courtyards throughout, provide the central character and organizing principle for the campus. Hardscaping consists of concrete benches, garden walls, and planters of varying shapes and sizes. Concrete ground surfaces are a consistent feature throughout, in some cases occurring above grade and cantilevered to create raised sidewalks that are accessed via concrete steps with square steel railings.

Figure 3 Campus Map

1 - Library Building
2 - Science Building
3 - 2-Story Classroom Building B
4 - Student Store Building
5/19 - Cafeteria Building
6 - Oral Arts Building
7 - Adult School Office
8 - Classroom Building
9 - Music Building
10 - Transformer Building/Vault
11 - Boiler Building/Vault
12 - Classroom Building
13 - Shop Building
14 - Utility Building
15 - Flammable Storage Building
16 - Sanitary Building
17 - Announcers Building/Booth
20 - Sanitary Building
21 - Gymnasium Building
22 - New Classroom Building
23 - New Administration & Classroom Building
23 - NP 1-2 – Two Classroom Relocatable
24 - SP 1 – Standard Classroom Relocatable
25 - A-873
26 - SP 3 – Standard Classroom Relocatable
27 - SP 4 – Standard Classroom Relocatable
28 - SP 5 – Standard Classroom Relocatable
29 - SP 6 – Standard Classroom Relocatable
30 - SP 7 – Standard Classroom Relocatable
31 - SP 8 – Standard Classroom Relocatable
32 - SP 9 – Standard Classroom Relocatable
33 - SP 10-11 –Relocatable
34 - SP 12 – Single Classroom Relocatable
35 - SP 13 – Single Classroom Relocatable
36 - SP 15 –Relocatable
37 - SP 16 – Single Relocatable
38 - SP 17 – Single Relocatable
39 - Portable Sanitary Unit
41 - EP 1 – Single Classroom Relocatable
42 - EP 2-3 – Two Classroom Relocatable
43 - EP 4-5 – Two Classroom Relocatable
45 - NP 3-4 – Two Classroom Relocatable
46 - NP 5-6 – Two Classroom Relocatable

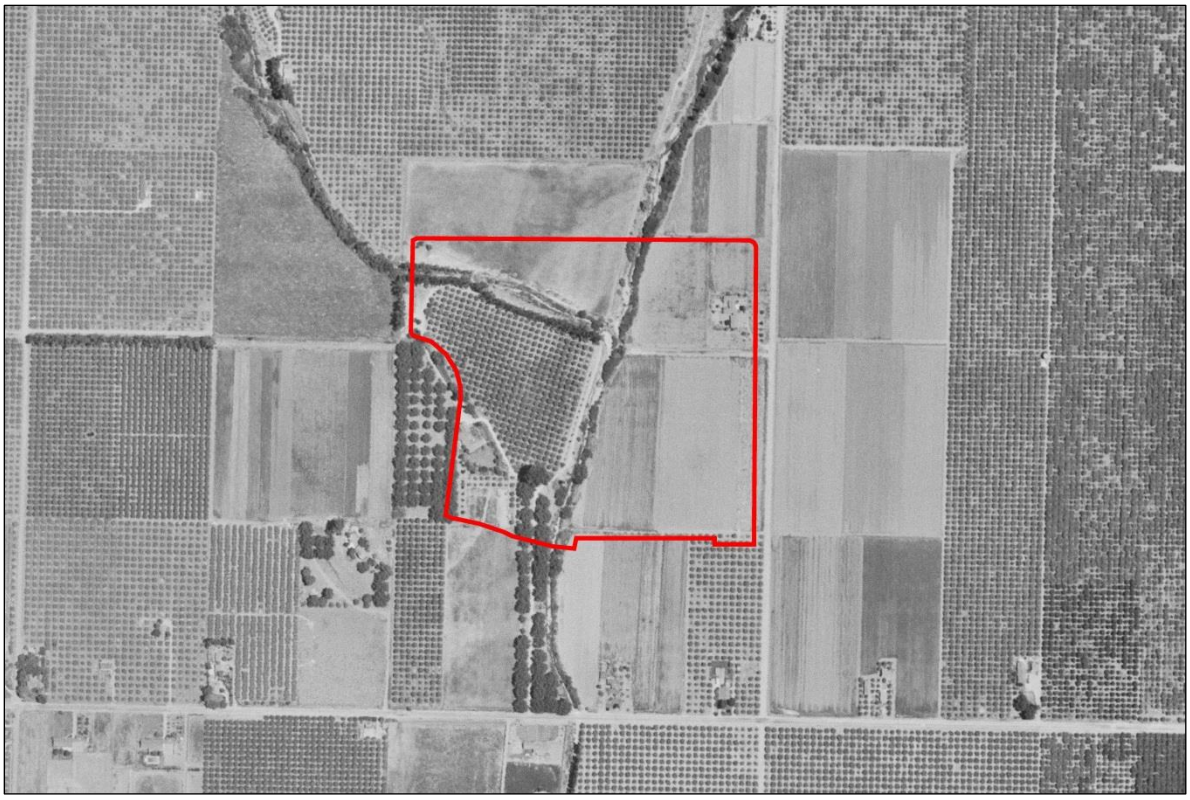


Imagery provided by Google and its licensors © 2017.
Additional data provided by LA Unified School District, 2017.

3.2 Site History and Construction Chronology

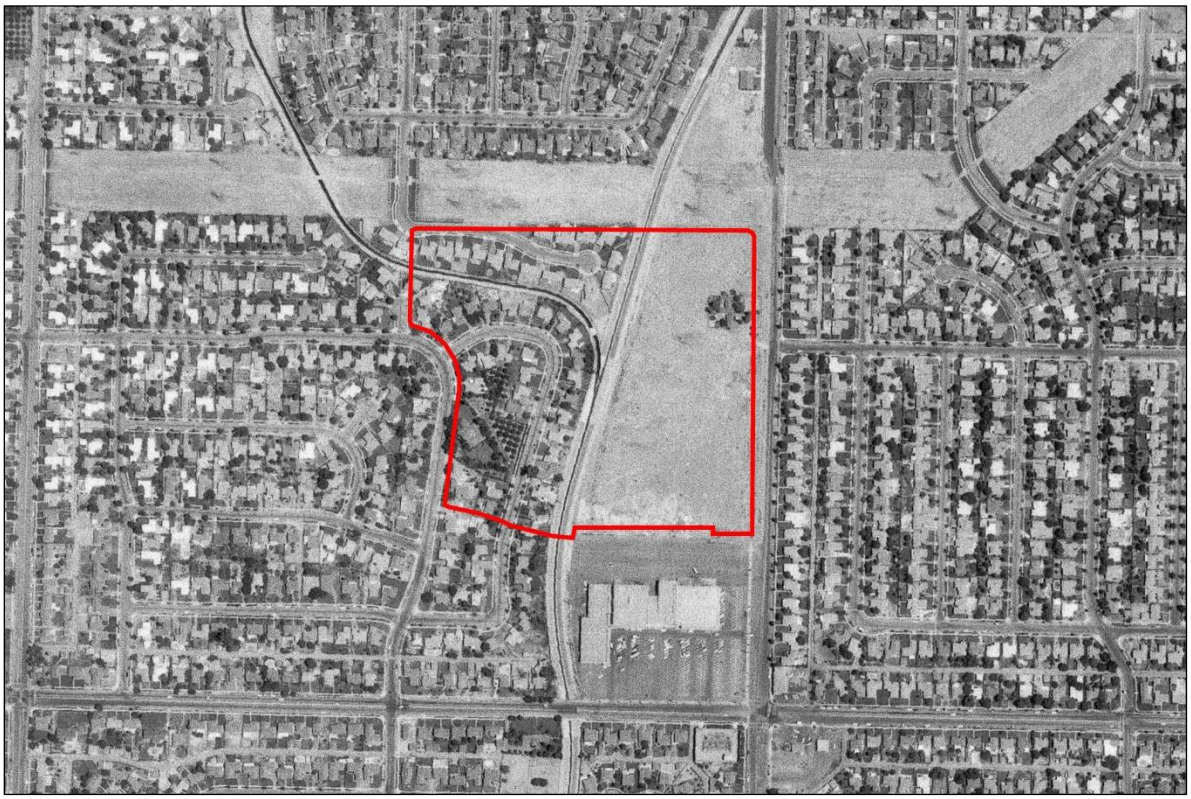
Similar to much of the San Fernando Valley, the land that would eventually be developed as the John F. Kennedy High School Campus was used for agricultural purposes through much of the early- and mid-twentieth century. Historic aerial photographs dating from the 1920s through the 1950s indicate that the surrounding area was not extensively developed, with the exception of sporadic residences, agricultural fields, and unpaved roads (Figure 4). Between 1952 and 1964, however, the rapid growth that defined Los Angeles in the postwar period extended up to the far edges of the San Fernando Valley, and the future subject campus and surrounding area were quickly transformed into residential suburbs. An aerial photograph from 1964 depicts streets lined with single-family houses, including a small development within the western portion of what would become Kennedy High School (Figure 5).[14]

Figure 4 1952 Aerial Photograph Depicting Subject Campus Boundaries in Red (Source: Environmental Data Resources 2017)



14 Environmental Data Resources, Inc. (EDR). 2017. EDR Aerial Photo Decade Package Report: Kennedy High School. Shelton, CT. June 19.

Figure 5 1964 Aerial photograph Depicting Subject Campus Boundaries in Red (Source: Environmental Data Resources 2017)



The population and residential expansion of the postwar era continued to strain the resources of the newly formed LAUSD into the mid-1960s. In 1966, in response to this demand and overcrowding of nearby Monroe High School (1958) and Granada Hills High School (1960), voters approved funding for the construction of a new high school in the Granada Hills neighborhood.[15] After eight months of surveys, the current site was selected and approved by the Los Angeles City Council, and preliminary plans were commission by the architectural firm of Stewart S. Granger & Associates.[16] The school was originally planned to include 78 classrooms with a capacity of 2,500 students. Argo Construction, a company with whom Stewart S. Granger & Associates previously partnered on the construction of Dana Point Marina, subsequently won the construction bid of Kennedy, which was reported at $7.9 million.[17]

The Los Angeles City Council approved the vacation of streets located within the boundaries of the future campus, and the site was cleared and graded by 1969. Development of the 27.4-acre parcel continued over the next two years and included the construction of campus buildings (including an administration building, classrooms, shops, and an auditorium), athletic facilities, and surface parking lots (Figure 6, Figure 7, Figure 8). The original campus buildings featured a unique Mid-Century-Modern/New Formalist architectural style, unified in a site plan with central courtyards, hardscaping and gathering areas, and sheltered corridors and circulation corridors. In 1971, construction was completed and classes began in the fall semester.

[15] "Site Clearing Ordered for High School," *Los Angeles Times*, 11 October 1967.
[16] "New $5,000,000 High School's Plans Started," *Los Angeles Times*, September 22, 1967.
[17] "Boundaries for Kennedy High in Granada Hills Offered," *Valley News*, 22 April 1971.

Figure 6 Rendering of the John F. Kennedy High School (Source: Classmates.com 2017)

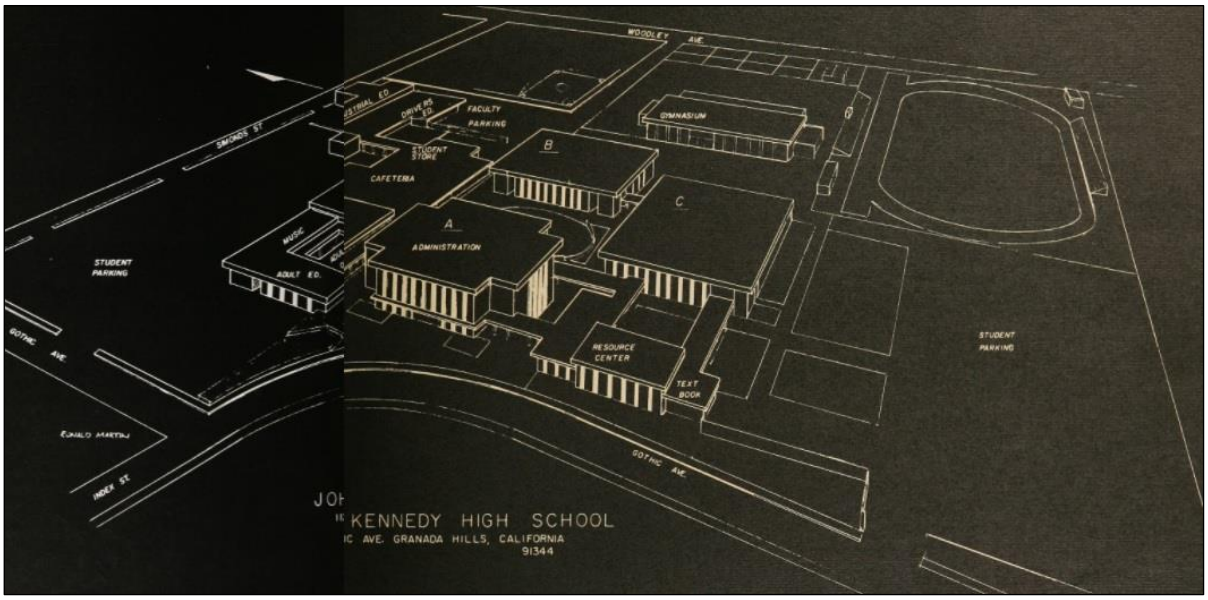


Figure 7 1972 View of Lunch Pavilion on Left and Original Administration Building and Library on Right (Source: Classmates.com 2017)

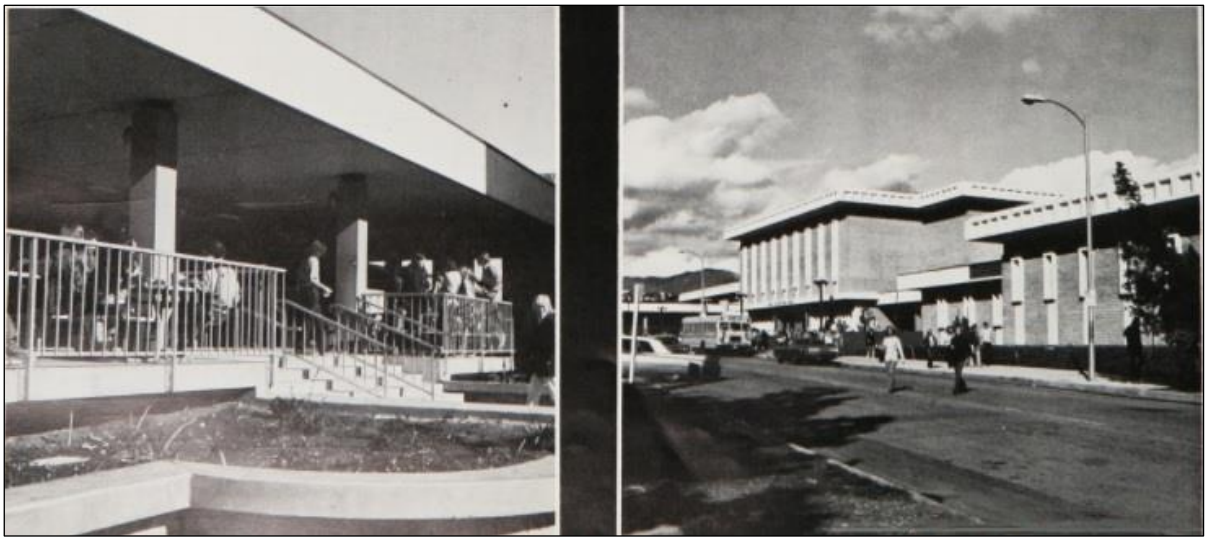
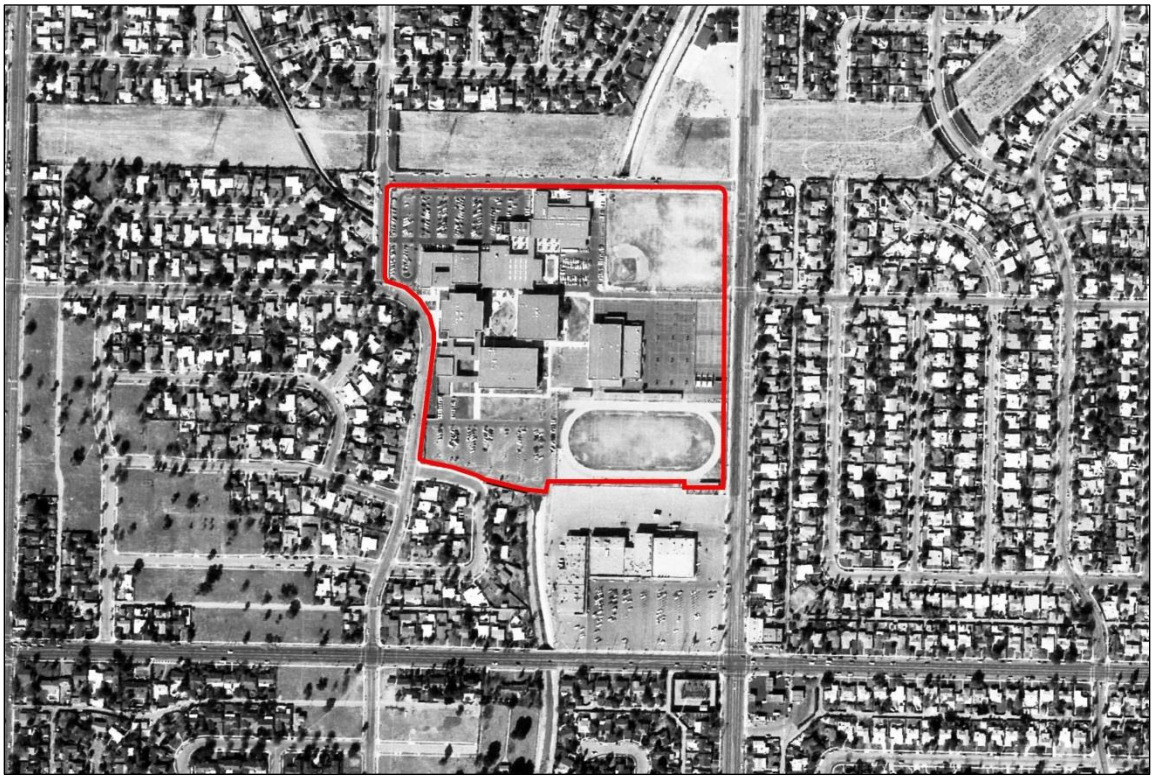


Figure 8 1972 Aerial Photograph Depicting Subject Campus Boundaries in Red (Source: Environmental Data Resources 2017)



The original site plan and a majority of the original buildings have remained largely unaltered since this time, except for the following changes. Following the 1994 Northridge Earthquake, the original Administration Building and Gymnasium Building experienced substantial damage. The Administration Building was demolished that same year and eventually replaced in 1997 with the current building, in the same location as the original, with similar massing, materials, and features. The original gymnasium was demolished in 2002 and replaced the following year by the current Gymnasium Building, just east of its original location. The site of the original Gymnasium was developed into a softball field after the time of the building's demolition. Additionally, tennis courts were constructed to the south of the Science Building, which replaced a former surface parking lot.

An additional one-story classroom building was added to the campus in 2000; this building is now the northwestern-most building on campus. Although new, the classroom building is sited in a manner that is sympathetic to the original site plan design. Additionally, the 22 portable buildings are sited throughout campus.

4 Focused Neighborhood Context

Kennedy High School is located in Granada Hills in northern San Fernando Valley, in the Granada Hills/Knollwood CPA of Los Angeles. This CPA was surveyed in 2015 as part of the City of Los Angeles Office of Historic Resources undertaking, SurveyLA. A historic overview of the CPA was developed as part of the 2015 SurveyLA report, which is partially excerpted below to provide a neighborhood context for Kennedy High School.

> "In the years following World War II, the population of what was now called "Granada Hills" exploded as returning servicemen sought to settle in the San Fernando Valley with their families. In 1950, the population of Granada Hills stood at around 5,000 people; by 1960, that number had increased by 1,000 percent. In response to the demand for housing and other resources to meet the needs of the growing community, the land which comprised several of the area's founding ranches and real estate holding companies was subdivided for residential development. At the same time, many individuals viewed the postwar housing boom as an opportunity to dabble in real estate development; as larger agricultural tracts were subdivided it became possible for small-time investors to purchase subdivisions numbering a dozen lots or less. The land in the Orange Estates area exemplifies this trend, with twenty-eight recorded subdivisions within its boundaries. Subdivision began in 1954 and peaked in 1955-1956, when a total of fourteen tracts were recorded. Several developers purchased multiple tracts throughout the area; perhaps the most prominent landowner was Thurlow Stather Culley, who purchased at least four tracts in the district. Culley was often referred to by longtime residents as the "George Washington of Granada Hills," having relocated to the area in 1927 to work as a salesman for Edwards and Wildey.
>
> Little is known about the development of individual tracts within Orange Estates, possibly due to the piecemeal nature of their subdivision within the district and their acquisition by a variety of investors. However, construction activity reflects the trends of subdivision, with building efforts commencing in earnest in 1954, when 23 homes were constructed, and peaking in 1956, when 83 homes were completed – a number more than twice the amount of any other year. Construction continued throughout the late 1950s and early 1960s; by 1965 the area was largely developed. Homes exhibited a range of variations on the Ranch style, including both Traditional and Contemporary examples.
>
> Another notable postwar residential subdivision is the Marlborough Palms area. The tract represents two subdivisions of the land belonging to the Porter Land & Water Company. The first tract was recorded in December 1956, and accounts for the majority of the land within the district. Nearly all of the houses in this first phase of development were constructed in 1957. The model homes typified the character of the development. A variety of exterior stylings was offered "from Classic to Tropical Contemporary." Homebuyers had a choice of a three- or four-bedroom floor plan; both plans featured two baths, along with a family room or den, and an all-electric kitchen. The inclusion of the all-electric kitchen reflected a concurrent trend in homebuilding which had been sparked by the electrical industry; in order to promote customer demand for electricity, the industry launched the Live Better Electrically campaign in March 1956, which was supported by 300 electrical utility companies and 180 electrical manufacturers nationwide. The following year, the campaign established the Medallion Homes program, which

allowed newly-constructed homes to earn a gold medallion decal if the design included an electric washer and dryer, waste disposal, refrigerator, and all-electric heating. The campaign was wildly successful, with approximately one million all-electric homes constructed. The Medallion Homes program launched their own advertising campaign, in which Marlborough Palms was frequently featured as an example of "living better electrically."

Part of what distinguished the development of Marlborough Palms from other similar postwar residential developments in Granada Hills was the involvement of noted mid-century architectural firm Palmer & Krisel. Palmer & Krisel designed 65 homes in the subdivision's first tract, which opened to the public in August 1957. Early advertisements for the development touted homes "styled by award-winning architects, Palmer & Krisel," and declared that "a gingerbread home was great for Hansel & Gretel…but today's families demand good contemporary styling!" A series of model homes, which remained open through the autumn of 1957, was constructed along Chatsworth Street. By January 1958, sales totaled nearly $1,000,000, and more than 40 of the 65 Palmer & Krisel-designed homes under construction had been sold. Despite the active promotion of modernist house designs in Marlborough Palms, the subdivision was ultimately built out with a mixture of Ranch house styles, as a substantial number of early residents opted for more conventional motifs.

Perhaps the most notable postwar subdivision in Granada Hills, however, is the Balboa Highlands development, which is now a designated City Historic Preservation Overlay Zone. Developed between 1962 and 1964 by prolific Southern California real estate magnate Joseph Eichler, it is one of only three Eichler tracts in Southern California, and the only one in Los Angeles County. Designed by noted architects A. Quincy Jones, Frederick Emmons, and Claude Oakland, the Balboa Highlands subdivision embodied the distinctive Mid-Century Modern aesthetic of the postwar era.

Although much of the residential development in the postwar era was on a larger scale, individual examples of work by prominent architects are also present in Granada Hills. The James and Olive Logar Residence, completed in 1951, was designed by master architect Richard Neutra. And while multi-family residential development was less common in this area, the Kona Pali Apartments (1962) is an outstanding example of the exotic Tiki/Polynesian style. Larger ranching properties were also developed during this period, attracting Hollywood celebrities from over the hill. The property known as the Cagney Ranch was initially developed in 1939 on what was then Bull Canyon Meadows. In 1942, the property was sold to actress Janet Gaynor, and then to actor James Cagney in 1953. Cagney resided here until 1966; today only the main house remains.

Building activity in the postwar years also included institutional development to serve the needs of the growing community. Examples include the Granada Hills branch of the Los Angeles Public Library. Constructed in 1962, this was the first library in Granada Hills and stands today as one of the few remaining examples in the San Fernando Valley dating from this period. Also constructed at this time was the California Federal Savings & Loan, designed in the New Formalist style by noted architects Allison & Rible in 1966. Churches constructed during this period include the Episcopal Church of St. Andrew and St. Charles (Carleton Winslow, Jr., 1960); St. Stephen's Lutheran Church (Orr, Strange, Inslee & Senefeld, 1966); Hillcrest Christian Church (1966); Knollwood United Methodist Church (Hal C. Whittemore, 1967); and St. John Baptist de la Salle Church (Barker & Ott, 1969). Primarily constructed in the mid- to late-1960s, many of these churches exhibit a more Expressionist version of the Mid-Century Modern style.

A number of schools were also constructed in Granada Hills during this period to accommodate the growing young families of the baby boom. Intact examples include Vintage Magnet School (1953), George K. Porter Middle School (1959), Danube Elementary School (1960), Granada Hills Charter High School (1960), Knollwood Elementary School (1960), and John F. Kennedy High School (1971).

One of the most prominent institutions to be developed during the postwar era in Granada Hills was the Knollwood Country Club. The club opened in 1956 with a golf course designed by William Bell, Jr., son of noted golf course architect William P. Bell, and William Johnson. The clubhouse facilities were designed by architect John C. Lindsey. Initially opened as a private course, within a year the course was managed by Los Angeles County, which allowed for public access. At the same time, developers announced plans for the 250-home Knollwood Estates neighborhood which would surround the course and feature streets named after well-known golfers. It was the development of Knollwood Estates, along with the Balboa Highlands subdivision a few years later, that spurred residential development north of Rinaldi Street into the hills of the "Granada Hills."

Neighborhood commercial centers also grew in importance as the so-called bedroom communities of the San Fernando Valley expanded. Commercial construction in the area resumed promptly after the war with the completion of the Granada Market and Granada Radio Company building in 1946, followed by the construction of the Russell Building. The 1950s saw the construction of many neighborhood-serving commercial establishments along Chatsworth Street. Offerings included the community's first bank, a branch of the Bank of Encino, which opened in 1955 at the encouragement of local businessmen. Establishments such as the Altadena Express Dairy, a drive-through dairy constructed in 1961, and the Googie-style Woody's Smorgasburger (later International House of Pancakes) restaurant, designed by architect Neil Johnson in 1962, became fixtures within the Granada Hills community. As the population of Granada Hills continued to increase in the 1960s, commercial development evolved away from the Chatsworth Street corridor. The opening of two large-scale shopping centers in 1961 – the Granada Village Center at Chatsworth Street and Zelzah Avenue, and the Balboa Mission Shopping Center at Balboa and San Fernando Mission boulevards – signaled the end of active development along Chatsworth Street. However, infill construction continued through the 1970s.

With the expansion of population, commerce, and industry in the postwar era, the infrastructure capacity of the San Fernando Valley as a whole became a major concern. Three buildings were constructed for the Los Angeles Department of Water and Power (DWP) during this period; two distributing stations, in 1955 and 1968, and more notably, the Rinaldi Receiving Station in 1967. Designed in the Mid-Century Modern style by architect William Gossy, the Rinaldi Receiving Station is one of the larger examples of this property type. The Joseph Jensen Filtration System was constructed in 1972, one of five treatment plants operated by the Metropolitan Water District of Southern California. Located at an elevation of 1,290 feet, this 125-acre facility distributes water to points throughout the San Fernando Valley, Ventura County, West Los Angeles, Santa Monica, and the Palos Verdes Peninsula. It is believed to be the largest treatment plant west of the Mississippi River, delivering up to 750 million gallons per day.

Throughout the 1970s, residential construction continued apace and was primarily concentrated in the area north of Rinaldi Street. In fact, it was in the 1970s that Granada Hills got its oldest residence. An elaborate Queen Anne house originally constructed in 1887 by noted architect

Joseph Cather Newsom was moved from its original site in Pacoima to its current location Granada Hills. In 1973, the City of Los Angeles agreed to purchase John O'Melveny's C&J Ranch, located in the northern portion of Granada Hills. Originally called Bee Canyon Park, the name was changed in 1976 to honor O'Melveny's contributions to Los Angeles. In 1979, a ground-breaking ceremony commenced the initial phase of development of the 672-acre O'Melveny Park, the second largest public park in Los Angeles, after Griffith Park."[18]

[18] Historic Resources Group, 8-11.

5 Associated Design Professional Biographies

The following section presents biographies for design professionals who are known to be associated with the subject campus.

5.1 Stewart S. Granger & Associates

The Kennedy High School campus was designed by the Los Angeles-based firm, Stewart S. Granger & Associates. Stewart S. Granger received his higher education in his home state of Illinois, a Bachelor of Science in Architecture from the Illinois Institute of Chicago in 1935. He received the Spiering Prize in 1934 and the Dankmar Adler Prize in 1935, both from that institution.[19] After practicing architecture in Chicago, Illinois and Texas, between 1942 and 1946, he relocated to Los Angeles, joining the established firm of Charles O. Matcham, Architect and Associates.[20] After one year as an associate at the firm, Granger was named as a partner and the firm changed its name to Charles O. Matcham, Stewart S. Granger & Associates.

Under this new partnership, the firm completed numerous commissions in the Los Angeles area, including many educational facilities. Projects included Grover Cleveland High School (a historically significant Mid-Century Modern school nearby in Reseda), Toluca Lake Fire Station, Valley Junior College (Van Nuys) Los Angeles County Mechanical Department Maintenance Facility, an addition on south façade of center grandstand at Santa Anita Park.[21] During this period, Granger was actively involved in the directorate of the Southern California Chapter of the American Institute of Architects, serving as Vice President in 1955.[22]

In the late 1960s, Matcham left the partnership, and the firm again changed its name to Stewart S. Granger & Associates. In 1970, Stewart S. Granger & Associates partnered with Argo Construction Co. Inc., a general contractor from Sherman Oaks, California, for the construction of a portion of the Dana Point Marina. Granger also partnered with Argo Construction for Kennedy High School.[23] Other developments undertaken by Argo Construction Co. Inc. include the East Los Angeles Occupational Center, Mountain View High School, Victoria Avenue Elementary School, Saugus High School, isolated buildings at the Brooklyn Avenue School and San Fernando High School, and the Psychiatric Unit at Harbor General Hospital in Torrance. At the time of construction of Kennedy High, the Presidents of Argo Construction were A.R. Willinger & W.J. Shirley Jr.[24]

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[19] The Pacific Coast Architecture Database entry for "Stewart S. Granger (Architect)"
[20] "Architect Joins Staff Company," *Los Angeles Times*, 29 July 1956
[21] Several *Los Angeles Times* and *Valley News* articles were referenced in order to gather this information. These references are cited in the full Bibliography at the end of the repot.
[22] "'57 Officers of Architect Group Are Installed," *Los Angeles Times,* 13 January 1957.
[23] "New High School," *Los Angeles Times*, 30 August 1970.
[24] Several *Los Angeles Times* and *Valley News* articles were referenced in order to gather this information. These references are cited in the full Bibliography at the end of the repot.

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6 Significance Evaluation

This evaluation utilized the framework for historic resource assessments described in the *LAUSD Historic Context Statement, 1870-1969*, which follows the NRHP Multiple Property Documentation format (MPD). The MPD format "defines themes of significance, eligibility standards, and related property types. Properties sharing a theme of significance are then assessed consistently, in comparison with resources that share similar physical characteristics and historical associations."[25] In addition, this evaluation utilized the MPD-format historic context statements prepared as part of SurveyLA, which similarly identify themes of significance along with associated registration requirements.[26]

In addition to each of the applicable federal, state, and local designation criteria, two evaluation frameworks and their associated eligibility standards and integrity thresholds were identified and applied to this evaluation after careful consideration of all themes and subthemes. Each property within the campus was evaluated using these evaluation frameworks for eligibility both individually, as well as a contributor to any potential historic district.

Evaluation Framework 1

Context:	Public and Private Institutional Development | Education
Theme:	LAUSD | Educating the Baby Boom: the Postwar Modern, Functionalist School Plant, 1945-1969
Property Type:	Institutional/Education
Property Subtypes:	Elementary, Junior High Schools, and High School Buildings and Campuses
Period of Significance:	1945 to 1969
Area of Significance:	Education
Geographic Location:	Citywide, with concentrations in the San Fernando Valley and West Los Angeles
Area of Significance:	A/1

Eligibility Standards

- Clearly embodies the characteristics of a postwar modern functionalist school campus
- Displays a unified, functional site design, with buildings extending across the site and oriented in relation to outdoor spaces (courtyards, patios, outdoor play areas)
- One-story massing for elementary schools; up to two-stories for junior/high schools
- Classrooms, in detailing and plans, clearly express their function, with axial, fingerlike wings, plentiful fenestration, and connections to the outdoors
- Retains most of the associative and character-defining features from the period of significance

[25] Sapphos, 4.

[26] Los Angeles Department of City Planning Office of Historic Resources.

Character-Defining Features – Buildings/Structures

- Building plans and site design clearly express their function; classroom wings often exhibit one-story "finger-like" wings, arranged on an axis
- Easily identifiable indoor-outdoor spaces, connections to classrooms through the incorporation of patios, courtyards, and outdoor canopied corridors
- One-story massing, particularly for elementary schools; up to two to three stories for junior and high schools
- Building types and plans expressive of postwar ideals in school design; these can include (1) finger-plan schools (usually in 1940s through 1950s); (2) cluster-plan schools (beginning in 1950s); and (3) variations and combinations of these typologies clearly expressive of the ideals for informality, indoor-outdoor connections, and zoned planning for the site
- Varying elevations might display differentiated window sizes and configurations, in order to tailor interior light to sun patterns and create cross-lit classrooms

Character-Defining Features – Campus/District

- Unified campus design includes most or all of the following attributes: lack of formality and monumentality; low massing (usually one stories for classrooms and up to two stories for auditoriums/multipurpose rooms); strong geometric ordering of buildings and outdoor spaces; decentralized, pavilion-like layout; rational, function driven site design; buildings extend across the site; buildings are oriented to outdoor spaces (courtyards, patios, outdoor areas), purposeful indoor-outdoor integration
- Automobile traffic/drop-off areas separated from campus; linked to interior via extended canopied corridors
- Buildings often turn inward, toward green spaces and courtyards, lawns
- Outdoor corridors, sheltered beneath simple canopies, forming links between the buildings of the campus
- Classrooms often consist of a series of axial, modular units
- An informal, domestic scale for the buildings and campus might be especially evident in elementary schools
- Swaths of patios, terraces, and plantings adjacent to and alternating with buildings
- Generous expanses of windows, including steel- and wood-framed multi-light windows, in awning and hopper casements, clerestories, and fixed panes
- Flat roof or broken-plane roof often used for lighting and acoustical issues
- Modular design, with a rhythmic, asymmetrical but balanced composition
- Usually displays a modern design idiom, usually either regional modernist (with use of native materials such as stone, brick, and wood siding and/or framing), International Style modernist, or, by the early 1960s, Late Modern (more expressive and sculptural)
- Some examples might include some degree of historicist detailing or styles popular in the postwar period (such as American Colonial Revival); these are less common than modernist examples

- May have been designed by a prominent architect of the period
- Often associated with post–World War II suburbanization and growth near major employment centers beyond the city periphery (such as the San Fernando Valley and southwest Los Angeles)
- Often built in residential neighborhoods on large expanses of land, with swaths of land devoted to landscape design and playing fields (in particular for high school campuses)

Integrity Considerations

- Retains most of the essential physical features from the period of significance
- School expansion and new construction over the years, in particular in the postwar period, might have resulted in the addition of in-fill buildings and structures in areas that were originally designed open spaces. Such new additions should not interfere with or serve as a visual impairment to the designed connections between buildings, in particular classroom wings, and adjacent outdoor patios and spaces.
- Many postwar schools were designed to be easily expandable as enrollment increased; the original site design and building types and plans should be readily discernible. If additional wings were added or the campus extended, the additions should be compatible with and visually subordinate to the original
- Some materials may have been removed or altered
- Modern lighting and fencing of site acceptable
- Should retain integrity of Setting, Materials, Design, Workmanship, Feeling, and Association from its period of significance
- Addition of portable or permanent buildings after the period of significance acceptable as long as original campus design is intact

Evaluation Framework 2

Context:	Architecture and Engineering, 1850-1980 | L.A. Modernism, 1919-1980
Theme:	Post-War Modernism, 1926-1976 | New Formalism, 1955-1976
Property Type:	District
Geographic Location:	Citywide, with concentrations in communities largely developed in the post-World War II era, such as those in the South Bay (Playa del Rey, Westchester) and the San Fernando Valley
Area of Significance:	C/3

Eligibility Standards

- Retains the essential character defining features of New Formalism from the period of significance
- Was constructed during the period of significance
- Exhibits quality of design through distinctive features

Character-Defining Features

- Strict symmetry and formality
- Monumental in size and appearance, often three or more stories in height

- Flat roof, often with heavy, projecting overhang
- Smooth wall surfaces
- Colonnade of stylized full-height columnar supports
- Repeating arches or rounded openings
- Large screens of perforated cast stone, or metal or concrete grills over expanses of glass
- Integral parking lot, either subterranean or above grade
- Landscaped plazas, fountains or integral plantings at ground floor
- For the National Register, property must possess exceptional importance if less than 50 years of age

Integrity Considerations

- Some original materials may have been altered, removed or replaced
- Association, original use may have changed
- Replacement of some windows and doors may be acceptable if the openings have not been resized and original fenestration patterns have not been disrupted

6.1 Designation Criteria A/1/1

Historic District and Individual Resource Evaluation: The subject campus and its individual buildings do not appear eligible for federal, state, or local designation under Criteria A/1/1. Although development of the subject campus was associated with the postwar growth of the San Fernando Valley and greater Los Angeles, it does not appear to be individually significant in this context. Kennedy High School was not completed until 1971, two years after the end of the period of significance for postwar schools, which is identified in *LAUSD Historic Context Statement, 1869-1970* as encompassing the years between 1945 and 1969. The subject campus does not meet the eligibility standards described in the study. The site plan shares many common characteristics of cluster plan schools, such as the grouping of buildings around courtyards. However, as a result of buildings' New Formalist design elements, they exhibit a monumentality and disconnection to the outdoors that is counter to the eligibility standards identified in *LAUSD Historic Context Statement, 1869-1970* for eligible schools from this era. Window openings are limited and narrow, resulting in decreased natural lighting in classrooms and a lack of indoor-outdoor connections. The primary classroom buildings exhibit a more formal, monumental style than was typical for campuses eligible as representing LAUSD design ideals of the time. Therefore, Kennedy High School does not meet the eligibility standards outlined in the *LAUSD Historic Context Statement, 1869-1970* for postwar schools.

In addition, archival research failed to identify any additional information to suggest that Kennedy High School has a direct association with significant events in national, state, or local history.

6.2 Designation Criteria B/2/2

Historic District and Individual Resource Evaluation: As a public high school, the subject campus and its individual resources are associated with a number of individuals who attended, visited, or taught at the school. However, per the guidance of the National Park Service, properties that are significant for their association with an important person in our past, must illustrate a person's important

achievements.[27] Archival research completed as part of this study failed to identify any direct and significant associations that are directly represented by the subject campus. As a result, the subject campus and its individual resources do not appear not appear eligible for designation either individually or as a historic district under Criterion B/2/2.

6.3 Designation Criteria C/3/3

Historic District Evaluation: The subject campus appears significant under eligible under Criteria 3/3 as a distinctive, unique example of the Mid-Century Modern/New Formalist architectural style applied to an LAUSD campus. The campus plan displays symmetry and formality, with buildings sited to create courtyards, with landscaping and concrete planters and benches.

Individual buildings feature flat roofs with broad, cantilevered fascia, as well as repeating, concrete window surrounds that mimic Classical-style pilasters. Since the time of the 2015 SurveyLA survey, the campus is closer to 50 years of age. However, the present study concurs with SurveyLA that the campus does not appear to meet NRHP Criteria Consideration G (i.e., properties fewer than 50 years of age can qualify for the NRHP if they are of "exceptional importance"). In addition, due to major alterations to the original campus site plan/configuration (including the demolition of the original Administration Building), the campus does not appear to retain sufficient integrity to be eligible for NRHP listing.

Individual Resource Evaluation: The campus derives its significance as a collection of Mid-Century Modern/New Formalist buildings, which is further represented in its site plan and other landscape features. Although the original campus buildings each embody elements of the Mid-Century Modern/New Formalist architectural style, these features are somewhat restrained; they lack the individual distinction that is required of individually significant properties and therefore do not appear individually eligible under Criteria C/3/3.

[27] U.S. Department of the Interior, National Park Service, 14.

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7 Integrity Analysis

Integrity is the ability of a property to convey its historic significance. In order to retain integrity, the property must possess enough of its character-defining features, materials, and spaces such that it continues to convey the reasons for its significance. According to the National Park Service, there are seven aspects of integrity: location, design, setting, materials, workmanship, feeling and association.[28]

To retain integrity, a property will always possess several of these aspects, with those relevant aspects dependent on the property's significance. The Kennedy High School Historic District is significant for its distinctive and unique Mid-Century-Modern/New Formalist style architecture as applied to an institutional/educational facility. As such, those aspects of integrity that are most important in its ability to convey its significance are design, materials, and workmanship.[29] All seven aspects as they relate to the subject campus are detailed below:

7.1 Location

Neither the campus nor its individual buildings have been relocated from its original site (with the exception of those original buildings that were demolished as result of damage from the 1994 Northridge Earthquake). The historic district therefore retains integrity of location.

7.2 Design

All of the original extant buildings are relatively unaltered and continue to exhibit those features that are representative of the New Formalist-style architecture, including symmetry and formality, flat roofs with heavy, projecting eaves, and repeating large concrete window surrounds.

The most notable change to the subject campus was the demolition of the original Administration/ Classroom Building in 1994 following the Northridge Earthquake. As the signature building from the public right-of-way, this building was an integral component of the site plan. The loss of this building has affected the overall integrity of the site plan design; however, the replacement building (New Administration & Classroom Building) was constructed with similar massing, scale, and siting and was sympathetically integrated into the original design of the campus through the connection of original breezeways. Further, other new construction has been located outside of the original campus core and has not affected the overall design of the campus as it was envisioned by Stewart S. Granger & Associates. The historic district therefore retains integrity of design.

7.3 Setting

The setting of the Kennedy High School Historic District has remained largely consistent throughout its existence. Historic aerial photographs indicate that by the time the school was developed in 1971, the surrounding area was already extensively developed with residential properties. Since this time, minimal changes to the surrounding area have included the completion of State Route 118 to

[28] U.S. Department of the Interior, National Park Service, 44-47.
[29] U.S. Department of the Interior, National Park Service, 44-47.

the south by 1977, which did not result in substantial changes to the area. The historic district therefore retains integrity of setting.

7.4 Materials

One of the character-defining features of the Kennedy High Campus overall is its consistency of building materials. Common building materials include concrete foundations, reinforced walls with rusticated brick veneer, metal door frames, formed concrete window surrounds, metal windows and doors, and flat roofs with overhanging eaves covered with stucco. The original buildings are also largely intact and have not been extensively altered. Although the demolition and replacement of some original buildings has occurred, the materials used in new construction are consistent with those used in the original buildings. The historic district therefore retains integrity of materials.

7.5 Workmanship

The physical evidence and workmanship of the historic district is largely conveyed through formed concrete elements and rusticated brick masonry that represent its New Formalist design. Original extant buildings have not been extensively altered and the historic district retains integrity of workmanship.

7.6 Feeling

The historic district effectively conveys the late 1960's era of New Formalist design. Although the loss of the original Administration/Classroom Building has affected the way the school interfaces with the street, the campus retains enough of its integrity of its design, materials, and workmanship as detailed above to express the aesthetic of its historic period. The historic district retains integrity of feeling as a result.

7.7 Association

Like feeling, integrity of association is dependent on the retention of those physical features that convey a property's historic character. The Kennedy High School Historic District retains enough of these features as identified above and therefore retains integrity of association.

7.8 Summary

As discussed above, the Kennedy High School Historic District retains integrity of location, setting, design, materials, workmanship, feeling and association. Demolition of the original Administration/Classroom Building may have compromised the historic district's potential NRHP eligibility. However, the Kennedy High School Historic District retains sufficient integrity to be eligible for district listing in the CRHR and as a multiple-property HCM in the City of Los Angeles under Criteria 3/3.

8 Character-Defining Features

In accordance with best practices, adopted LAUSD cultural resource policies, and guidance from the National Park Service, character-defining features include "the overall shape of the building, its materials, craftsmanship, decorative details, interior spaces and features, as well as the various aspects of its site and environment."[30] According to National Park Service Bulletin 17, identification of character-defining features should proceed from large to small details, including: :

1) The overall visual aspects,

2) The visual character at close range, and

3) The visual character of interior spaces, features and finishes.[31]

As an eligible historic district, the Kennedy High School Historic District qualifies as a historical resource pursuant to CEQA. This section describes the "contributing" (or eligible) and "noncontributing" (not eligible) features of the historic district, as well as their character-defining features, materials, and spaces.

Historic districts derive their importance from being a unified collection of related properties; districts are generally comprised of both individually distinctive properties that serve as focal points as well as features that lack individual distinction.[32] Guidance on the definition of a historic district provided by the National Park Service states that:

> the identity of a district results from the *interrelationship of its resources*, which can convey a visual sense of the *overall historic environment or be an arrangement of historically or functionally related properties*.[33]

Contributing features may include buildings, structures, objects, planning and site design features, circulation corridors, and spatial relationships between buildings and outdoor spaces, landscaping/hardscaping.

In addition, per NPS Preservation Brief 17, interior features can include spaces, features, and finishes that lend a historic resource its visual character and therefore contribute to its historic significance. Such features can include "stairways and balustrades, arched openings, interior shutters, cornices, ceiling medallions, light fixtures, balconies, doors, windows, hardware, wainscoting, panelling, trim, waiting room benches," among many other features.[34] In keeping with National Park Service Preservation Brief 17, "It is important that the visual aspects of a building's interior character be recognized before planning any changes or alterations."[35]

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[30] Nelson, Lee H., FAIA. US Department of the Interior. Preservation Brief 17: Architectural Character: Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character." National Park Service, Washington, DC, US Government Printing Office

[31] Nelson, Lee H., FAIA. US Department of the Interior. Preservation Brief 17: Architectural Character: Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character." National Park Service, Washington, DC, US Government Printing Office

[32] U.S. Department of the Interior, National Park Service, 5.

[33] U.S. Department of the Interior, National Park Service, 5. Emphasis added by author.

[34] Nelson, Lee H., FAIA. US Department of the Interior. Preservation Brief 17: Architectural Character: Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character." National Park Service, Washington, DC, US Government Printing Office

[35] Nelson, Lee H., FAIA. US Department of the Interior. Preservation Brief 17: Architectural Character: Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character." National Park Service, Washington, DC, US Government Printing Office

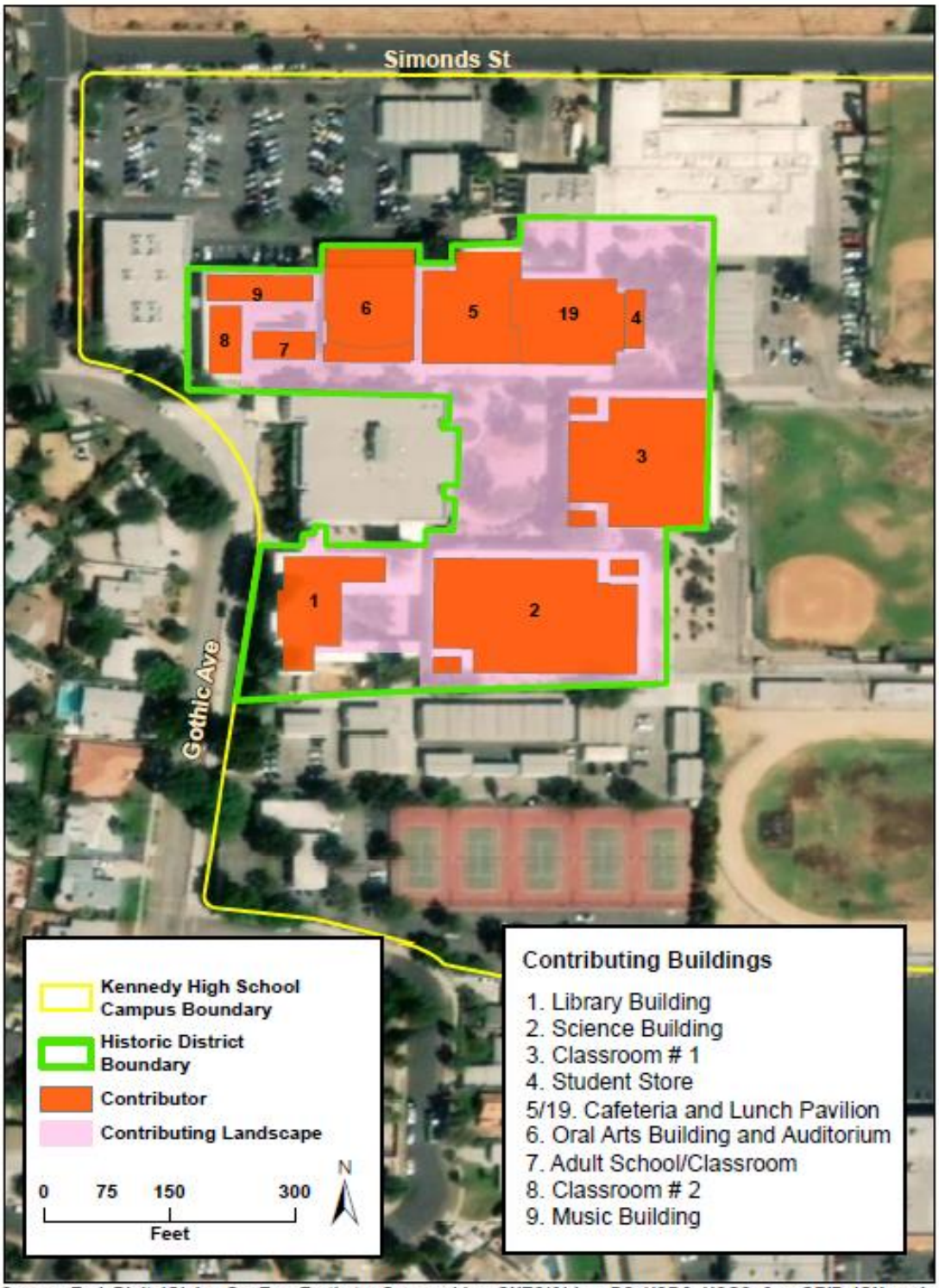
As discussed above, the Kennedy High School Historic District is eligible under Criteria 3/3 as an outstanding embodiment of the Mid-Century Modern/New Formalist architectural style as applied to an institutional/educational facility. All identified contributors to the historic district are original to the campus and connected through their New Formalist design. They are considered contributing as they collectively reflect embody the character-defining features of a New Formalist-style campus and represent a significant and distinguishable entity.

The boundaries of the historic district have been delineated following guidance from the National Park Service. Per this guidance, boundaries should encompass the area that contains the significant concentration of buildings and structures that make up the district. The Kennedy High School Historic District boundaries have therefore been delineated to exclude clearly defined areas that are located outside those portions of the campus that reflect its original design intent. Although outside of the campus core, one property, the Announcer's Booth embodies qualities of the New Formalist style and contributes to the significance of the historic district. The boundaries therefore have been delineated as discontiguous to exclude the space between this building and the campus core as it does not contribute to the significance of the district.

A map illustrating all contributing and noncontributing buildings and features follows on Figure 9.

Table 1 provides building names, Pre-Planning Survey building numbers, and contributor status for each building on campus.

Figure 9 Kennedy High School Historic District Contributing Features Map



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Table 1 Contributing Building Status, Kennedy High School Historic District

No.	Name	Type	Year Built	Contributor Status
1	Library Building	Permanent	1971	Contributor
2	Science Building	Permanent	1971	Contributor
3	2-Story Classroom Building B	Permanent	1971	Contributor
4	Student Store Building	Permanent	1971	Contributor
5/19	Cafeteria Building	Permanent	1971	Contributor
6	Oral Arts Building	Permanent	1971	Contributor
7	Adult School Office	Permanent	1971	Contributor
8	Classroom Building	Permanent	1971	Contributor
9	Music Building	Permanent	1971	Contributor
10	Transformer Building/Vault	Permanent	1971	Non-Contributor
11	Boiler Building/Vault	Permanent	1971	Non-Contributor
12	Classroom Building	Permanent	1971	Non-Contributor
13	Shop Building	Permanent	1971	Non-Contributor
14	Utility Building	Permanent	1971	Non-Contributor
15	Flammable Storage Building	Permanent	1971	Non-Contributor
16	Sanitary Building	Permanent	1971	Non-Contributor
17	Announcers Building/Booth	Permanent	1971	Non-Contributor
20	Sanitary Building	Permanent	1971	Non-Contributor
21	Gymnasium Building	Permanent	2003	Non-Contributor
22	New Classroom Building	Permanent	2000	Non-Contributor
23	New Administration & Classroom Building	Permanent	2002	Non-Contributor
23	NP 1-2 – Two Classroom Relocatable	Portable	2003	Non-Contributor
24	SP 1 – Standard Classroom Relocatable	Portable	1986	Non-Contributor
25	A-873	Portable	1986	Non-Contributor
26	SP 3 – Standard Classroom Relocatable	Portable	1986	Non-Contributor
27	SP 4 – Standard Classroom Relocatable	Portable	1986	Non-Contributor
28	SP 5 – Standard Classroom Relocatable	Portable	1986	Non-Contributor
29	SP 6 – Standard Classroom Relocatable	Portable	1986	Non-Contributor
30	SP 7 – Standard Classroom Relocatable	Portable	1986	Non-Contributor
31	SP 8 – Standard Classroom Relocatable	Portable	1986	Non-Contributor
32	SP 9 – Standard Classroom Relocatable	Portable	1986	Non-Contributor
33	SP 10-11 –Relocatable	Portable	2000	Non-Contributor
34	SP 12 – Single Classroom Relocatable	Portable	1994	Non-Contributor
35	SP 13 – Single Classroom Relocatable	Portable	Unknown	Non-Contributor
36	SP 15 –Relocatable	Portable	2003	Non-Contributor
37	SP 16 – Single Relocatable	Portable	2003	Non-Contributor
38	SP 17 – Single Relocatable	Portable	1994	Non-Contributor
39	Portable Sanitary Unit	Portable	2003	Non-Contributor
41	EP 1 – Single Classroom Relocatable	Portable	2003	Non-Contributor

No.	Name	Type	Year Built	Contributor Status
42	EP 2-3 – Two Classroom Relocatable	Portable	2003	Non-Contributor
43	EP 4-5 – Two Classroom Relocatable	Portable	2003	Non-Contributor
45	NP 3-4 – Two Classroom Relocatable	Portable	2003	Non-Contributor
46	NP 5-6 – Two Classroom Relocatable	Portable	2003	Non-Contributor

8.1 Campus-Wide Character-Defining Features

This section presents an overview of the typical "character-defining features" – or historically significant features – found campus-wide at Kennedy High School. The categories of features presented here mirror the categories assigned in the *LAUSD Design Guidelines and Treatment Approaches for Historic Schools*: (1) Architectural and Ornamental Detailing; (2) Roof Forms and Features; (3) Façade Treatment; (4) Site Plan and Landscaping Features; and (5) Interior Spaces and Features.

Principal character-defining features of the Kennedy High School Historic District include, but may not be limited to, those features described below. This list is a preliminary (rather than comprehensive) first step in the identification of the character-defining features of the campus and its individual contributors. The scope of work for the current evaluation does not include a room-by-room analysis of character-defining features or of a proposed project and potential impacts. Should a more detailed analysis of character-defining features be required once a proposed project has been designed, it is recommended that LAUSD request additional input and guidance from a historic preservation professional as needed.

Subsequent site inspections and removal of non-original alterations might reveal additional character-defining features. In order to retain the historic character and integrity of the buildings, efforts should be made to treat character-defining features in a manner consistent with the *LAUSD Design Guidelines and Treatment Approaches for Historic Schools* and the *Secretary of the Interior's Standards for the Treatment of Historic Properties*. It is further recommended that any subsequent in-fill in the campus core look to these overall character-defining features to ensure that any new construction is harmonious and compatible with the historic district.

Architectural & Ornamental Detailing

A number of architectural details help to convey the significance of the Kennedy High School Historic District. Most notable among them are those features that reflect the Mid-Century Modern/New Formalist architectural design of the campus. As detailed in Figure 10, these include the use of contrasting materials, such as rusticated brick and smooth concrete; full-height, concrete panels and window surrounds spanning primary elevations; original exterior steel signage and clock; metal railings, balustrades, and tile work and commemorative tile plaques.

Figure 10 Architectural & Ornamental Detailing

Projecting cast concrete window surrounds

Original exterior steel signage

Original metal railings and balustrades

Original tile work (multiple forms)	
Clock on exterior wall of Classroom Building #1	

Roof Form & Features

Consistent with the New Formalist architectural style, the roofs of contributors to the historic district are bold and flat, terminating in broad, prominent boxed eaves. Balance in the design composition is achieved through a contrast of the broad, wide roof line, emphasizing the horizontal axis, lightened by attenuated, full-height window surrounds spanning the buildings. While roofs on the secondary buildings (or secondary portions of buildings) and breezeways have large fascia sheathed with rough-textured stucco, those roofs on the primary portions of buildings are fronted with concrete entablatures with a distinctive waffle-patterned fascia. Figure 11 identifies the important roof form and features of the Kennedy High School Historic District.

Figure 11 Roof Form & Features

Flat roofs with heavy projecting overhangs and cast concrete entablatures	
Rough-textured stucco fascia	

Façade Treatments

Building façade treatments are consistent throughout the campus and representative of their Mid-Century Modern/New Formalist architectural style. This style is expressed through the symmetrical, monumental design composition, the use of rusticated brick laid in a stacked bond, as well as the full-height, projecting window surrounds, resembling attached Classical pilasters. Figure 12 identifies these elements.

Figure 12 Façade Treatments

Rusticated brick set in a stacked bond pattern	
Smooth concrete on project window surrounds	

Site Plan Design and Landscape Features

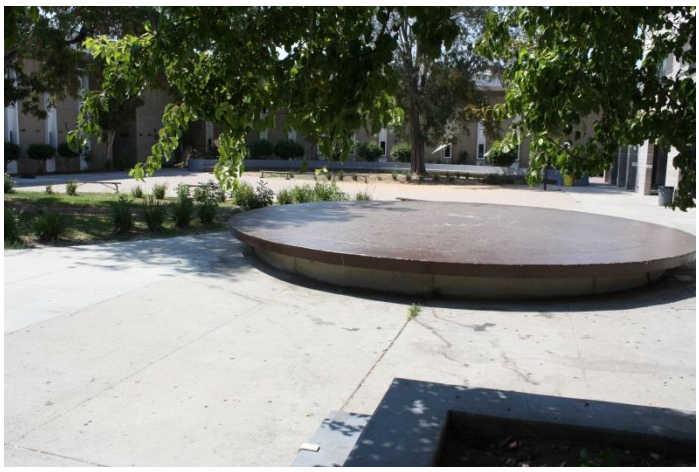
The site plan and landscape features of the Kennedy High School Historic District are critical to its ability to convey its significance. Most notable in this design is the siting of buildings, spatial relationships between buildings, neighboring courtyards and circulation corridors, sheltered walkways, breezeways, and landscaping. These areas are further defined and accentuated through the use of cantilevered sidewalks, formed concrete benches and other features, as well as masonry walls that use the same materials used for the buildings. Those elements that define the historic district's site plan are identified below in Figure 13.

Figure 13 Site Plan Design

Spatial relationships between buildings and open spaces/courtyards

Wide, open arcades covered with thick, flat overhangs supported by square concrete columns

Original cantilevered, concrete sidewalks

Formed concrete benches and planters	
Circular stage in center courtyard	
Rusticated brick walls and curb walls	

Interior Spaces & Features

Per the *LAUSD Historic Context Statement* and *LAUSD Design Guidelines and Treatment Approaches for Historic Schools*, eligible schools may contain interior spaces that are character-defining. Interior spaces and features have been identified that contribute to the visual character of the historic school and reflect the original design intent of the architects. These important spaces and features

are limited to the Library and Oral Arts Building and are described in relation to each building in greater detail below.

8.2 Historic District Contributors & Character-Defining Features

This section presents an overview of the most prominent character-defining features of the contributors to the Kennedy High School Historic District. Generally speaking, contributors exhibit few major alterations. Therefore, unless otherwise noted, the overall building components, materials, architectural details, and site plan features should be considered character defining.

Library Building

- Highly visible location, with building facing Gothic Avenue, set back on lawn (Figure 14, Figure 15, Figure 16, Figure 17)
- L-shaped building plan, creating a courtyard on the east side of the building, with hardscaping/circulation corridors, and stairways
- Part of a unified, cohesive site design, with buildings of low mass (generally 1- to 2-stories) oriented around landscaped courtyards/open spaces and a unified network of circulation corridors, defined by brick pavers and concrete walkways, sheltered walkways, and breezeways
- Varied massing, with a central, prominent one-and-one-half-story wing flanked by single-story wings
- Distinctive New Formalist design elements, including symmetrical design composition; use of full-height smooth concrete panels, which contrast with rusticated brick veneer and emphasize vertical axis; design balanced with broad, bold roof line, which emphasizes the horizontal axis
- Exterior walls clad primarily in stacked-bond brick veneer, rusticated brick veneer, smooth concrete, and stucco
- Distinctive roof treatment, including flat roof, stucco-clad boxed soffits, wide overhanging eaves, and a waffle-patterned fascia accenting the roof line
- Series of attenuated, rectangular windows set within projecting concrete surrounds and full-height, smooth concrete panels, mimicking attached Classical columns
- Main entrance of paired metal-framed doors accessed via a sheltered breezeway; east elevation entrance with paired metal-framed doors and breezeways connecting to adjacent Science Building
- Interior: split-level interior with central concrete columns, wood and metal stairway railings, stacked-bond concrete block walls, and ornamental accents provided through vertical strips of wood trim

Figure 14 Library Building, West Elevation

Figure 15 Library Building, Rear Elevation

Figure 16 Library Building, Entrance, Northwest Elevation

Figure 17 Library Building, Rear Elevation

Science Building

- Located inside the campus core, set back on lawn fronted by low, concrete planter walls and mature trees (Figure 18, Figure 19)
- Part of a unified, cohesive site design, with buildings of low mass (generally 1- to 2-stories) oriented around landscaped courtyards/open spaces and a unified network of circulation corridors, defined by brick pavers and concrete walkways, sheltered walkways, and breezeways
- Two-stories, rectangular floorplan
- Distinctive New Formalist design elements, including monumental, symmetrical design composition; use of full-height stucco-clad attached columns; broad, bold roof line emphasizing horizontal axis
- Exterior walls clad in smooth stucco, stacked-bond brick veneer, and rusticated brick veneer
- Distinctive roof treatment, including flat roof, stucco-clad boxed soffits, wide overhanging eaves, and a procession of deeply recessed square accents encircling the roof line
- Window configurations vary; the primary window design includes a procession of thin, rectangular metal-frame lights set within decorative, projecting concrete surrounds and slightly recessed, full-height, stucco-clad panels, mimicking attached columns
- Roof-wall juncture defined by a simple recessed band, painted gray
- Full-height entry porch clad with rusticated brick veneer; deeply recessed paired metal-frame doors with decorative surrounds
- Raised concrete patio and walkway; sheltered corridor; steps and ramp (west elevation)
- Green space and concrete circulation corridors, south and east façades of Science Building

Figure 18 East Elevation of Science Building

Figure 19 Science Building, Full-Height Entry Porch and Recessed Doors

Classroom Building #1

- Located inside campus core, northeast of Science Building (Figure 20, Figure 21, Figure 22, Figure 23)
- Part of a unified, cohesive site design, with buildings of low mass (generally 1- to 2-stories) oriented around landscaped courtyards/open spaces and a unified network of circulation corridors, defined by brick pavers and concrete walkways, sheltered walkways, and breezeways
- Square-planned, two-story building, clad in tan, stack-bond rusticated brick veneer
- Distinctive New Formalist design elements, including symmetrical design composition; use of full-height concrete wall panels and projecting window surrounds, which contrast with rusticated brick veneer and emphasize vertical axis; design balanced with broad, bold roof line, emphasizing horizontal axis
- Prominent, broad roof line, with wide boxed eaves and distinctive waffle-patterned fascia
- Window units consisting of two fixed, metal-framed windows stacked vertically in thin, projecting concrete surrounds
- Entrance detail: Located on ground level of north and south elevations, featuring double-metal doors
- Façade-wide grey band, recessed at the roof-wall juncture
- Narrow, landscaped greenspace along base of the west elevation
- Series of brick-sized bronze class plaques, dating back to early 1970s, spanning façade, and a wall-mounted clock in top east corner
- Two deep, recessed L-shaped hallways ono the east elevation that extend the entire height of the wall plane (Figure 24)

Figure 20 West Elevation of Classroom Building #1

Figure 21 Classroom Building #1, Secondary Elevation

Figure 22 Classroom Building #1, Secondary Elevation

Figure 23 Classroom Building #1, adjacent site and courtyard

Figure 24 East Elevation of Classroom Building #1

Cafeteria and Lunch Pavilion Building

- The Cafeteria and its sheltered corridor form the northern border of main campus courtyard; connected to the Oral Arts Building to the west and the Lunch Pavilion and Student Store to the east (Figure 25, Figure 26, Figure 27, Figure 28)
- Part of a unified, cohesive site design, with buildings of low mass (generally 1- to 2-stories) oriented around landscaped courtyards/open spaces and a unified network of circulation corridors, defined by brick pavers and concrete walkways, sheltered walkways, and breezeways
- Roughly rectangular in plan, one-story and one-and-a-half story complex, with components oriented to form a sheltered, open-air dining area
- Features a number of the same design elements and materials seen throughout campus, including stacked-bond rusticated brick veneer, contrasting with smooth concrete on the full-height window surrounds, a breezeway with square post supports, prominent flat roof with wide overhanging eaves
- Fenestration design and configuration mirroring that of other contributing buildings, with projecting smooth concrete surrounds and rectangular windows; including six windows located on the south elevation
- Flat roof with wide eaves sheltering covered corridor on south elevation. Corridor roof rests on square concrete columns
- The corridor includes a cantilevered, scored concrete deck that extends along the south elevation of the building
- Entrance detail: Both the south and east elevation feature two entrances, including a single-metal and double-metal door that is void of ornamentation, transoms, or sidelights

- Food serving area on east elevation, lined with expanse of metal roll-up windows, fronted by round steel balustrades; decorative tile work beneath windows spells out “Kennedy”
- Decorative, full-height mural on east elevation, consisting of small yellow and brown tiles, featuring the letters “K.H.S.”

Figure 25 Cafeteria Building, Lunch Pavilion

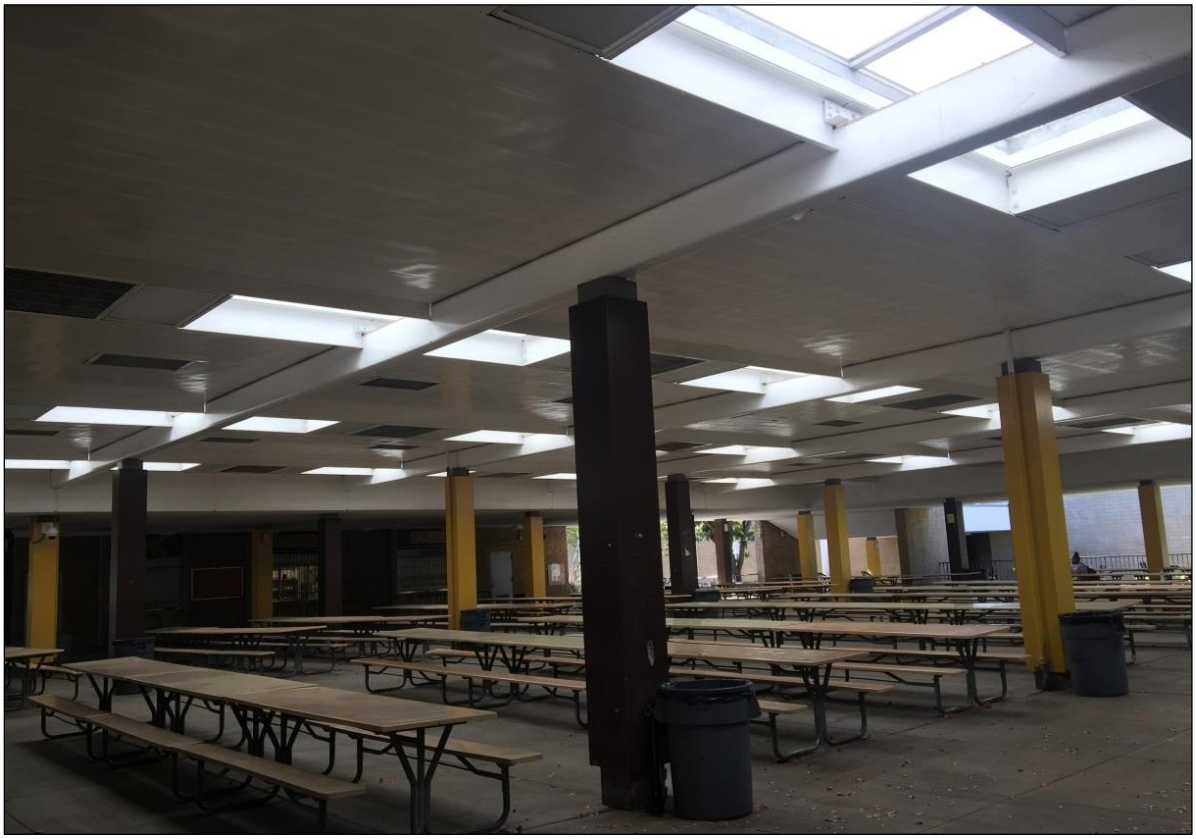


Figure 26 Cafeteria Building, Lunch Pavilion, Serving Area

Figure 27 Cafeteria Building, South Elevation Walkway

Figure 28 Lunch Pavilion, Seating Area, North Elevation

Student Store Building

- Part of larger cafeteria complex; shares roofline with Cafeteria/Lunch Pavilion, to the west; Student Store, Cafeteria and Lunch Pavilion form the northern border of main campus courtyard
- Part of a unified site design, with buildings of low mass (generally 1- to 2-stories) oriented around landscaped courtyards/open spaces and a unified network of circulation corridors, defined by brick pavers and concrete walkways, sheltered walkways, and breezeways
- Roughly rectangular in plan, one-story in height; flat roof, with prominent, broad overhanging eaves, sheathed in smooth stucco
- Features a number of the same character-defining features, design elements, and materials seen throughout campus, including stacked-bond rusticated brick veneer, contrasting with smooth concrete on the full-height window surrounds, a breezeway with square post supports, prominent flat roof with wide overhanging eaves
- Primary (west) elevation displays three roll-up windows, round steel balustrades, and decorative tile work consisting of small, square yellow tiles
- Entrance consists of two metal-framed doors, on either side of windows; rear (east) elevation includes a single metal-framed door, elevated on four concrete steps
- Rear elevation opens onto landscaped courtyard, surrounded by garden walls, curb walls and planters of rusticated brick with square concrete caps

Figure 29 Student Store Building, South Elevation

Oral Arts Building and Auditorium

- In campus core, connected to Cafeteria and Lunch Pavilion (to the east) via a sheltered walkway On south (primary) elevation, a formal entrance patio slightly projects from the wall plane, framed in brick corner posts
- Formal entrance consists of two sets of paired metal-framed doors with flanking side lights; spanning the wall above the entrance patio is a decorative mosaic of small, square, brown and tan tiles; centered on the mosaic panel is a stylized metal sign reading "Drama & Speech"
- North (rear) and side elevations more utilitarian in design and materials
- Centered entrance on north elevation, consisting of paired metal doors, sheltered beneath a cantilevered overhang and row of rectangular transom lights. Two smaller personnel doors flank the main entrance.
- Interior: Distinctive stepped ceiling; auditorium side walls canted and accented with fluting; alternating panels of smooth plaster and decorative fluting on back walls; original seating; distinctive, stepped ceiling panels; marble flooring; wood paneling sheathing the base at the foot of the stage; lobby with decorative tile backsplash and curved walls
- Part of a unified, cohesive site design, with buildings of low mass (generally 1- to 2-stories) oriented around landscaped courtyards/open spaces and a unified network of circulation corridors, defined by brick pavers and concrete walkways, sheltered walkways, and breezeways
- Sited with Music Building, Adult School Office Building, and Classroom Building #2 to form a courtyard space on the west elevation

- Varied massing, with a central one-and-one-half-story wing flanked by single-story wings; roughly rectangular in plan
- Distinctive New Formalist design elements, including symmetrical design composition; use of full-height smooth concrete panels, which contrast with rusticated brick veneer and emphasize vertical axis; design balanced with broad, bold roof line, which emphasizes the horizontal axis
- Exterior walls clad primarily in stacked-bond brick veneer, rusticated brick veneer, smooth concrete, stucco, and decorative tiles
- Distinctive roof treatment, including flat roof, stucco-clad boxed soffits, wide overhanging eaves, and a waffle-patterned fascia accenting the roof line
- On south (primary) elevation, a formal entrance patio slightly projects from the wall plane, framed in brick corner posts
- Formal entrance consists of two sets of paired metal-framed doors with flanking side lights; spanning the wall above the entrance patio is a decorative mosaic of small, square, brown and tan tiles; centered on the mosaic panel is a stylized metal sign reading “Drama & Speech”
- North (rear) and side elevations more utilitarian in design and materials
- Centered entrance on north elevation, consisting of paired metal doors, sheltered beneath a cantilevered overhang and row of rectangular transom lights. Two smaller personnel doors flank the main entrance.
- Interior: Distinctive stepped ceiling; auditorium side walls canted and accented with fluting; alternating panels of smooth plaster and decorative fluting on back walls; original seating; distinctive, stepped ceiling panels; marble flooring; wood paneling sheathing the base at the foot of the stage; lobby with decorative tile backsplash and curved walls

Figure 30 Oral Arts Building, South (Main) Elevation

Figure 31 Oral Arts Building, Interior Courtyard Space

Figure 32 Oral Arts Building, South Elevation Corridor

Figure 33 Oral Arts Building, Rear Elevation

Figure 34 Oral Arts Building, Auditorium Interior

Figure 35 Oral Arts Building, Auditorium Interior

Figure 36 Oral Arts Building, Auditorium Lobby

Music Building & Classroom Building #2

- Located in northwest portion of campus, west of Oral Arts Building; part of a unified, cohesive site design, with buildings of low mass (generally 1- to 2-stories) oriented around landscaped courtyards/open spaces and a unified network of circulation corridors, defined by brick pavers and concrete walkways, sheltered walkways, and breezeways
- Music Building and Classroom Building #2 are unified under a shared roof, which extends to create a covered walkway between the two buildings
- Both buildings are one-story in height and rectangular in plan
- Features a number of the same New Formalist style character-defining features, design elements, and materials seen throughout campus, including symmetrical design composition, stacked-bond rusticated brick veneer, contrasting with smooth concrete on the full-height window surrounds, full-height window surrounds
- Exterior walls clad primarily in stacked-bond brick veneer, rusticated brick veneer, smooth concrete, and stucco
- Distinctive roof treatment, including flat roof, stucco-clad boxed soffits, wide overhanging eaves, and a waffle-patterned fascia accenting the roof line
- No window openings on Music Building; access provided via four single, metal-framed doors on the south elevation
- West elevation of Classroom Building #2 displays a series of full-height window surrounds; the fenestration design and configuration mirrors that of other contributing buildings, with projecting smooth concrete surrounds and rectangular windows
- East elevation of Classroom Building #2 contains four metal-framed doors, set flush with sidewalk

Figure 37 Music Building, North Elevation

Figure 38 Music Building, on right, and Oral Arts Building, on left

Adult School Office

- Located in northwest portion of campus, west of Oral Arts Building (Figure 39)
- Part of a unified, cohesive site design, with buildings of low mass (generally 1- to 2-stories) oriented around landscaped courtyards/open spaces and a unified network of circulation corridors, defined by brick pavers and concrete walkways, sheltered walkways, and breezeways
- One-story in height and rectangular in plan
- Features a number of the same New Formalist-style character-defining features seen throughout campus, including symmetrical design composition, stacked-bond rusticated brick veneer, contrasting with smooth concrete on full-height, projecting window surrounds, bold roof line with wide overhanging eaves
- Exterior walls clad primarily in stacked-bond brick veneer, rusticated brick veneer, smooth concrete, and stucco
- Distinctive roof treatment, including flat roof, with a bold, boxed soffit and fascia scored to resemble masonry; wide overhanging eaves
- Roof eaves extended to create shelters for corridors
- Corridor roofs resting on square concrete columns

Figure 39 North (Rear) Façade of the Adult School Office

8.3 Non-Contributing Buildings

Following construction of the campus core in 1971, three permanent buildings were added to the campus: the Gymnasium, the New Administration & Classroom Building, and an additional classroom building, New Classroom Building. The New Administration & Classroom Building is integral to the campus plan, as it is one of the four buildings that surrounds the central courtyard; the building replaced an earlier 1971 building damaged in the 1994 Northridge Earthquake. The new building is constructed of rusticated concrete block and is sympathetic in design and massing to the 1971 campus design. Its features include a covered breezeway supported by square columns, in this case constructed of rusticated brick as opposed to concrete.

The New Classroom Building, constructed in 2000, was built in the northeast corner of the campus. While outside the campus core, it is located close to original campus buildings. It sits on a concrete slab, with exterior walls of stucco and a flat, cantilevered roof with broad fascia. Square columns of rusticated block along the walkway add an element of consistency. The Gymnasium Building, located in the east-central portion of the campus, is similar in design to both the New Administration and Classroom Building and New Classroom Building previously described. It features a shallow domed roof, which is a design element not seen elsewhere on campus.

Temporary, portable classrooms have been added to the campus and are clustered in the southwest quadrant as well as scattered to the north and east of the core campus area. These buildings are simple one-story structures with wood or stucco exterior surfaces and shed or flat roofs.

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UPDATE SHEET

Property Name: John F. Kennedy High School Historic District

***Resource Name or #** John F. Kennedy High School Historic District

***Recorded by**: Kara R. Dotter, Dudek ***Date**: October 18, 2019, 2019 ☐ **Continuation** ■ **Update**

P1. Other Identifier:

***P2. Location:** ☐ **Not for Publication** ■ **Unrestricted** ***a. County:** Los Angeles
***b. USGS 7.5' Quad:** San Fernando, CA **Date:** 2015 **T** 2N. **R** 15W**.** ; SE **¼ of SE ¼ of Sec** .7; Mount Diablo **B.M.**
c. Address: 11254 Gothic Avenue **City**: Granada Hills **Zip**: 91344
d. UTM: Zone: 11S, 363275.07 mE/ 3793651.93 mN
e. Other Locational Data: APN: 2681010911

***P3a. Description:**
Constructed in 1971, the campus architectural style is categorized as Mid-Century Modern with New Formalist design elements. Totaling 44 buildings, the campus consists of 19 permanent buildings constructed in 1971, three permanent buildings added to the campus between 2000 and 2003, and 22 portable, non-permanent structures that have been added to meet demand in the years spanning 1980 to 2003. Organized around a prominent central courtyard, the campus is arranged in a unified cluster-like site plan, primarily consisting of one- and two-story square and rectangular structures clad with rusticated brick veneer. (a full description is included with the original 2018 DPR form set)

***P3b. Resource Attributes:** (List attributes and codes) HP15. Educational Building

***B10. Significance:**
A full historic context and evaluation of the John F. Kennedy High School Historic District under all National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), and Los Angeles Historic-Cultural Monuments designation criteria is presented in the attached 2018 DPR form set (Rincon Consultants, Inc., 2018). Dudek agrees with the 2018 evaluation finding that the John F. Kennedy High School Historic District appears eligible for listing in the CRHR under Criterion 3 at the local level of significance and as a Los Angeles Historic-Cultural Monument under Criteria 3. It was not recommend eligible for listing in the NRHP.

The following texts seeks to enhance the previous evaluation by clarifying the property's extant physical character defining features that convey its significance, and addressing the question of evaluation for the building interiors.

Character-Defining Features of the Property

The 2018 report identified the following character-defining features (CDFs) for the exterior of the John F. Kennedy High School Historic District:

Contributing Buildings

- Symmetrical, monumental design composition
- Bold, flat roof forms
- Broad, prominent boxed eaves
- Concrete waffle-patterned entablatures along eaves of primary elevations
- Rough-textured stucco along eaves on secondary elevations
- Use of contrasting materials, like rusticated brick and smooth concrete
- Stacked-bond brick pattern
- Full-height concrete panels and projecting window surrounds on primary elevations
- Original steel signage and clock
- Original metal railings, balustrades, tile work, and commemorative tile plaques

Site Plan Design and Landscape Features

- Building siting
- Spatial relationships between buildings, courtyards, and circulation corridors

- Sheltered walkways, breezeways
- Cantilevered sidewalks, formed concrete benches and planters, and other relevant exterior furniture
- Masonry walls built in the same style and with the same materials as the buildings

Evaluation of Building Interiors

The 2018 report states that "the current evaluation does not include a room-by-room analysis of character-defining features." National Park Service Preservation Brief 15 details aspects of building interiors that may be considered as contributing to the building's historic significance, as well as stating that "some historic buildings are virtually defined by their exterior, and their contribution to the built environment can be appreciated even if their interiors are not accessible." In practice, this means that building exteriors are the primary focus of evaluations given that they are publicly visible and that interiors, particularly in public and commercial buildings, are expected to change and adapt to modern uses. Exceptions are made in instances where interior features are vital to conveying the building's significance. Examples include built-in furniture designed by the architect when the architect is considered part of the building's significance, such as the furniture designed by Frank Lloyd Wright for his houses, or where an interior feature is necessary to inform the technological advances that contribute to a building's significance, like the first commercial installation of an elevator in a department store. Given that the property in question is a public school building where the space was intended to adapt to changing needs as educational pedagogy changed, evaluation of the building interiors is neither appropriate nor required for determining the significance of the John F. Kennedy High School Historic District. As such, the exterior architectural style and features are what define this property, and the character defining features are limited to those listed in bullet points above.

*B12. References:

Rincon Consultants, Inc. 2018. *John F. Kennedy High School Historical Resources Evaluation Report*. Prepared for the Los Angeles Unified School District. April 2018.

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State of California — The Resources Agency DEPARTMENT OF PARKS AND RECREATION **PRIMARY RECORD**	Primary # HRI # Trinomial NRHP Status Code 3CD	
Other Listings Review Code	Reviewer	Date

 ***Resource Name or #:** John F. Kennedy High School Historic District

P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County:** Los Angeles County
***b. USGS 7.5' Quad:** San Fernando Quadrangle **Date:** 2015 **T** 2N ; **R** 15W; SE¼ **of** SE ¼ **of Sec** 7 **;** M.D. S.B.**B.M.**
c. Address: 11254 Gothic Ave. City: Granada Hills Zip: 91344
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation: APN:2681010911

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
Located in the residential neighborhood of Granada Hills, Kennedy High School occupies three assessor's parcels totaling 27.4 acres. The campus is bounded by Gothic Avenue to the west, Simonds Street to the north, Woodley Avenue to the east; the southern boundary is partially formed by Donmetz Street and partially formed by the rear of a commercial development complex. Constructed in 1971, the campus architectural style is categorized as Mid-Century Modern with New Formalist design elements. Totaling 44 buildings, the campus consists of 19 permanent buildings constructed in 1971, three permanent buildings added to the campus between 2000 and 2003, and 22 portable, non-permanent structures that have been added to meet demand in the years spanning 1980 to 2003. Organized around a prominent central courtyard, the campus is arranged in a unified cluster-like site plan, primarily consisting of one- and two-story square and rectangular structures clad with rusticated brick veneer. Structures radiate out from the central courtyard; with the exception of the 2003 Gymnasium Building, they have a distinct feel of being massed or grouped together on the western half of the campus. The southern and eastern portions of the campus are primarily composed of greenspace in the form of sports fields, tennis courts and a track, as well as the Gymnasium at the east, center. The baseball diamond and track/football field are original to the 1971 design, as are the bleachers, announcer's booth, and other ancillary buildings that surround the football field. Later additions in these areas include tennis courts and the central baseball field, both of which were built following the construction the 2003 Gymnasium Building. (See continuation sheet, p.4)

***P3b. Resource Attributes:** (List attributes and codes) HP15. Educational Building
***P4. Resources Present:** ☐Building ☐Structure ☐Object ☐Site ☒District ☐Element of District ☐Other (Isolates, etc.)

P5a. Photo

P5b. Description of Photo: North façade of Science Building & east façade of Classroom Building #1. July 12, 2017.

***P6. Date Constructed/Age and Sources:** ☒Historic ☐Prehistoric ☐Both
1971 (Los Angeles Unified School District)

***P7. Owner and Address:**
Los Angeles Unified School District

***P8. Recorded by:**
Rachel Perzel & Steven Treffers
Rincon Consultants, Inc.
250 East 1st Street, Suite 301
Los Angeles, CA 90012

***P9. Date Recorded:** July 12, 2017
***P10. Survey Type:** Intensive

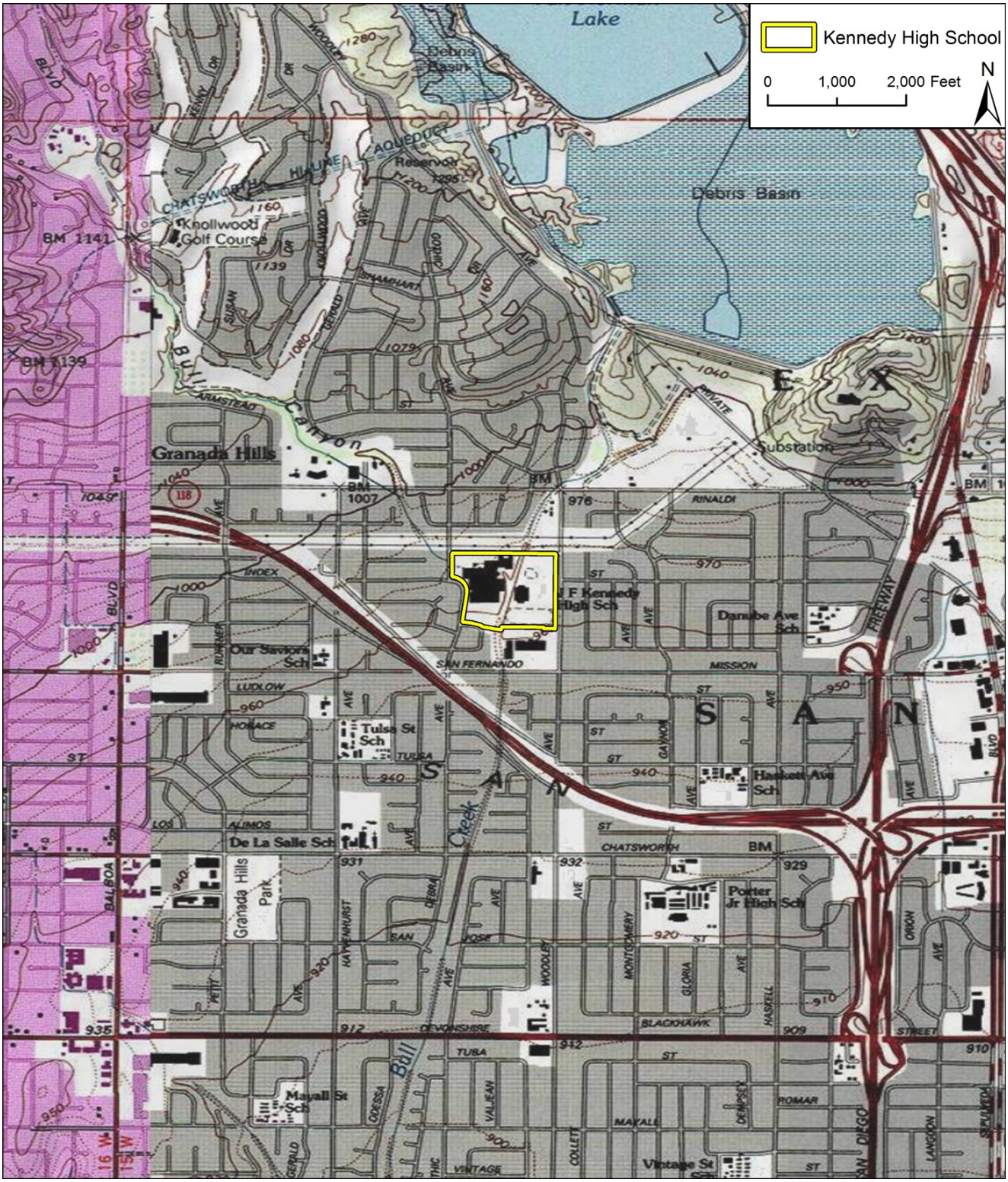
***P11. Report Citation:** Los Angeles Unified School District. 2018. *John F. Kennedy High School: Historic Resources Evaluation Report*. Prepared by Rincon Consultants, Los Angeles, California.

***Attachments:** ☐NONE ☒Location Map ☐Sketch Map ☒Continuation Sheet ☒Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California ◆ Natural Resources Agency DEPARTMENT OF PARKS AND RECREATION **LOCATION MAP**	Primary # HRI# Trinomial

Page 2 **of** 8 ***Resource Name or #** John F. Kennedy High School Historic District

***Map Name:** USGS *San Fernando* Quadrangle ***Scale:** 1:24,000 ***Date of Map:** 2015



BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 3CD

***Resource Name or #** (Assigned by recorder) John F. Kennedy High School Historic District

B1. Historic Name: John F. Kennedy High School
B2. Common Name: John F. Kennedy High School
B3. Original Use: Institutional (Educational Facility) B4. Present Use: Institutional (Educational Facility)
***B5. Architectural Style:** Mid-Century Modern/New Formalist
***B6. Construction History:** (Construction date, alterations, and date of alterations)

According to records on file with the Los Angeles Unified School District, the campus core was constructed in 1971 by Argo Construction under the design of Stewart S. Granger & Associates. With the exception of three buildings, all of the campus' permanent buildings, structures, and facilities from 1971 remain. The original Administration Building, located west of the central courtyard, was demolished in 1994 following damage from the Northridge Earthquake and replaced in 2003by the New Administration & Classroom Building, roughly in the same footprint as the original. The original Gymnasium Building, sighted in the current location of the softball diamond, was demolished in 2002 following the construction of a new Gymnasium Building, now the campus's eastern-most building. n additional one-story classroom building was added to the campus in 2000 and is the northwestern most building on campus. Between 1986 and 2003, 22 portable, temporary buildings were also been added to the campus parcel.

Aside from the major modifications mentioned above, a number of alterations and repairs have taken place over the years. These including the installation of air-conditioning units, reroofing of buildings, retrofitting of electrical systems, and routine painting of interior and exterior surfaces (LAUSD-*Campus Pre-Planning Survey, Kennedy High School,* provides a list of repairs and improvements performed since the late 1990s). Additional modifications, identified via a visual inspection of the campus, include the installation of an elevator in between the Science Building and Classroom Building #1 and the addition of several concrete ramps necessary for wheelchair accessibility.

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** **Original Location:**
***B8. Related Features:** Landscape features including affixed benches, garden walls and planters
B9a. Architect: Stewart S. Granger & Associates b. Builder: Argo Construction
***B10. Significance: Theme:** Post-War Modernism/ New Formalism **Area:** Architecture
Period of Significance: 1971 **Property Type:** District **Applicable Criteria:** 3/3

Kennedy High School appears significant under eligible for state and local designation under Criteria 3/3 as a distinctive, unique example of the Mid-Century Modern/New Formalist architectural style applied to an LAUSD campus. The campus plan displays symmetry and formality, with buildings sited to create courtyards, with landscaping and concrete planters and benches. Individual buildings feature flat roofs with broad, cantilevered fascia, as well as repeating, concrete window surrounds that mimic Classical-style pilasters. Although the campus appears eligible for the California Register of Historical Resources and local designation, it does not appear to meet National Register of Historic Places (NRHP) Criteria Consideration G (i.e., properties fewer than 50 years of age can qualify for the NRHP if they are of "exceptional importance"). In addition, due to major alterations to the original campus site plan/configuration (including the demolition of the original Administration Building), the campus does not appear to retain sufficient integrity to be eligible for NRHP listing. (See continuation sheet, p.4)

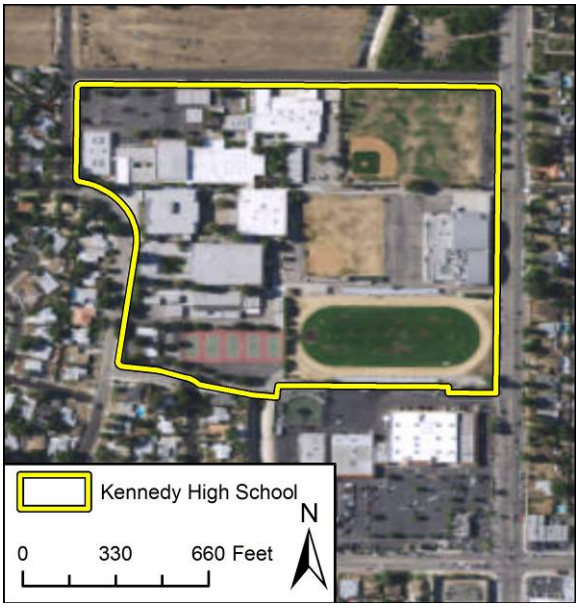
B11. Additional Resource Attributes: None

***B12. References:** See Continuation Sheet

B13. Remarks: None

***B14. Evaluator:** Rachel Perzel & Steven Treffers

***Date of Evaluation:** April 2018



(This space reserved for official comments.)

*Recorded by: Shannon Carmack & Steven Treffers, Rincon Consultants *Date: April 2018 ☒ Continuation ☐ Update

***P3a. Description (Continued):**

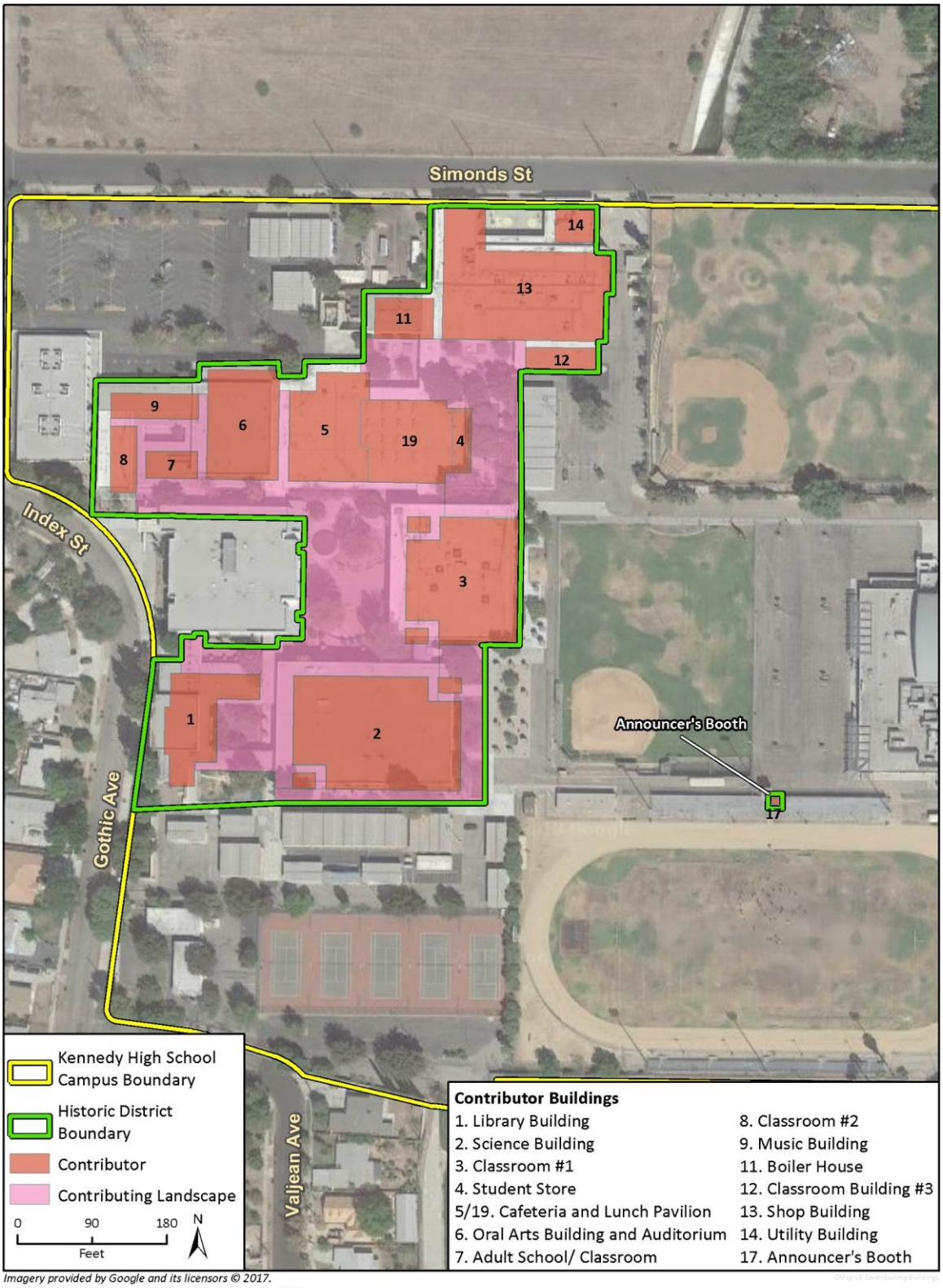
Permanent campus buildings are connected to one another via a network of sidewalks and covered breezeways, which are capped with thick flat roofs supported by square concrete columns. The breezeways, along with an abundance of square and rectangular courtyards throughout, provide the central character and organizing principle for the campus. Hardscaping consists of concrete benches, garden walls, and planters of varying shapes and sizes. Concrete ground surfaces are a consistent feature throughout, in some cases occurring above grade and cantilevered to create raised sidewalks that are accessed via concrete steps with square steel railings.

***B10. Significance (Continued):**

The campus includes 14 contributing buildings as well as a contributing landscape as follows:

- Library Building
- Science Building
- Classroom #1
- Cafeteria and Lunch Pavilion
- Student Store
- Oral Arts Building and Auditorium
- Music Building
- Classroom #2
- Adult School/ Classroom
- Shop Building
- Announcer's Booth
- Classroom Building #2
- Utility Building
- Boiler House

***Recorded by:** Shannon Carmack & Steven Treffers, Rincon Consultants ***Date:** April 2018 ☒ Continuation ☐ Update



Imagery provided by Google and its licensors © 2017.
Additional data provided by LA Unified School District, 2017.

*Recorded by: Rachel Perzel & Steven Treffers, Rincon Consultants *Date: April 2018 ☒ Continuation ☐ Update

*P5b. Photo (Continued):

John F. Kennedy High School, central courtyard; landscape features, west façade of Classroom Building #1 and north façade of Science Building visible. Source: Rincon Consultants, 12 July 2017.

John F. Kennedy High School, Library Building-west, street-facing façade. Source: Rincon Consultants, 12 July 2017.

*Recorded by: Rachel Perzel & Steven Treffers, Rincon Consultants *Date: April 2018 ☒ Continuation ☐ Update

*P5b. Photo (Continued):

John F. Kennedy High School, typical covered walkway; façade Adult School Office Building visible. Source: Rincon Consultants, 12 July 2017.

John F. Kennedy High School, typical courtyard; landscape features, exterior wall, and south façade of the Boiler Building visible.. Source: Rincon Consultants, 12 July 2017.

***B12. References (Continued):**

California Office of Historic Preservation, California Register and National Register: A Comparison (for Purposes of Determining Eligibility for the California Register), Technical Assistance Series No. 6. (Sacramento, CA, 14 March 2006).

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1957. New $5,000,000 High School's Plans Started. The Los Angeles Times. September 22. https://www.newspapers.com (accessed July 30, 2017)

1957. New Partner, Associated of Firm Named. The Los Angeles Times. June 2. https://www.newspapers.com (accessed July 30, 2017)

1967. Site Clearing for High School Ordered. The Los Angeles Times. October 11. https://www.newspapers.com (accessed July 30, 2017)

1968. Half-Day Sessions Feared; CC Asks Speed-up on School. The Valley News. August 30. https://www.newspapers.com (accessed July 30, 2017)

1970. New High School. The Los Angeles Times. August 30. https://www.newspapers.com (accessed July 13, 2017)

Appendix B
Air Quality, Greenhouse Gas Emissions, and Energy Modeling Data

Appendix

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Kennedy HS Comprehensive Modernization Project

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	25.65	1000sqft	0.59	25,652.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes sqft of building area to be demolished for emission nettting analysis.

Construction Phase - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Off-road Equipment - Per applicant provided information

Off-road Equipment - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Trips and VMT - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

On-road Fugitive Dust - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Demolition - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Grading - Per applicant provided information

Architectural Coating - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Vehicle Trips -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust -

Woodstoves -

Consumer Products -

Area Coating -

Landscape Equipment -

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

Stationary Sources - Emergency Generators and Fire Pumps EF -

Stationary Sources - Process Boilers EF -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	25,650.00	25,652.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	4.2000e-003	0.0364	0.0397	7.0000e-005	5.5000e-004	2.0400e-003	2.5900e-003	1.5000e-004	1.9500e-003	2.0900e-003	0.0000	5.6991	5.6991	9.8000e-004	0.0000	5.7237
Maximum	**4.2000e-003**	**0.0364**	**0.0397**	**7.0000e-005**	**5.5000e-004**	**2.0400e-003**	**2.5900e-003**	**1.5000e-004**	**1.9500e-003**	**2.0900e-003**	**0.0000**	**5.6991**	**5.6991**	**9.8000e-004**	**0.0000**	**5.7237**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	4.2000e-003	0.0364	0.0397	7.0000e-005	5.5000e-004	2.0400e-003	2.5900e-003	1.5000e-004	1.9500e-003	2.0900e-003	0.0000	5.6991	5.6991	9.8000e-004	0.0000	5.7237
Maximum	**4.2000e-003**	**0.0364**	**0.0397**	**7.0000e-005**	**5.5000e-004**	**2.0400e-003**	**2.5900e-003**	**1.5000e-004**	**1.9500e-003**	**2.0900e-003**	**0.0000**	**5.6991**	**5.6991**	**9.8000e-004**	**0.0000**	**5.7237**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1046	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004
Energy	1.4400e-003	0.0131	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	74.5224	74.5224	2.2700e-003	6.7000e-004	74.7801
Mobile	0.0742	0.3575	1.0998	4.5900e-003	0.4193	3.4700e-003	0.4228	0.1124	3.2300e-003	0.1156	0.0000	425.3124	425.3124	0.0194	0.0000	425.7970
Waste						0.0000	0.0000		0.0000	0.0000	6.7677	0.0000	6.7677	0.4000	0.0000	16.7667
Water						0.0000	0.0000		0.0000	0.0000	0.2702	14.0619	14.3321	0.0282	7.5000e-004	15.2616
Total	**0.1802**	**0.3706**	**1.1111**	**4.6700e-003**	**0.4193**	**4.4600e-003**	**0.4238**	**0.1124**	**4.2200e-003**	**0.1166**	**7.0379**	**513.8973**	**520.9353**	**0.4498**	**1.4200e-003**	**532.6061**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1046	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004
Energy	1.4400e-003	0.0131	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	74.5224	74.5224	2.2700e-003	6.7000e-004	74.7801
Mobile	0.0742	0.3575	1.0998	4.5900e-003	0.4193	3.4700e-003	0.4228	0.1124	3.2300e-003	0.1156	0.0000	425.3124	425.3124	0.0194	0.0000	425.7970
Waste						0.0000	0.0000		0.0000	0.0000	6.7677	0.0000	6.7677	0.4000	0.0000	16.7667
Water						0.0000	0.0000		0.0000	0.0000	0.2702	14.0619	14.3321	0.0282	7.5000e-004	15.2616
Total	**0.1802**	**0.3706**	**1.1111**	**4.6700e-003**	**0.4193**	**4.4600e-003**	**0.4238**	**0.1124**	**4.2200e-003**	**0.1166**	**7.0379**	**513.8973**	**520.9353**	**0.4498**	**1.4200e-003**	**532.6061**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2021	11/12/2021	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	**3.9800e-003**	**0.0363**	**0.0379**	**6.0000e-005**	**0.0000**	**2.0400e-003**	**2.0400e-003**	**0.0000**	**1.9400e-003**	**1.9400e-003**	**0.0000**	**5.2047**	**5.2047**	**9.7000e-004**	**0.0000**	**5.2289**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.7000e-004	1.8900e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4945	0.4945	1.0000e-005	0.0000	0.4948
Total	**2.2000e-004**	**1.7000e-004**	**1.8900e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4945**	**0.4945**	**1.0000e-005**	**0.0000**	**0.4948**

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	**3.9800e-003**	**0.0363**	**0.0379**	**6.0000e-005**	**0.0000**	**2.0400e-003**	**2.0400e-003**	**0.0000**	**1.9400e-003**	**1.9400e-003**	**0.0000**	**5.2047**	**5.2047**	**9.7000e-004**	**0.0000**	**5.2289**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.7000e-004	1.8900e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4945	0.4945	1.0000e-005	0.0000	0.4948
Total	**2.2000e-004**	**1.7000e-004**	**1.8900e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4945**	**0.4945**	**1.0000e-005**	**0.0000**	**0.4948**

4.0 Operational Detail - Mobile

Existing Operation Only - Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0742	0.3575	1.0998	4.5900e-003	0.4193	3.4700e-003	0.4228	0.1124	3.2300e-003	0.1156	0.0000	425.3124	425.3124	0.0194	0.0000	425.7970
Unmitigated	0.0742	0.3575	1.0998	4.5900e-003	0.4193	3.4700e-003	0.4228	0.1124	3.2300e-003	0.1156	0.0000	425.3124	425.3124	0.0194	0.0000	425.7970

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	330.63	112.09	45.91	1,105,002	1,105,002
Total	330.63	112.09	45.91	1,105,002	1,105,002

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	60.2859	60.2859	2.0000e-003	4.1000e-004	60.4590
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	60.2859	60.2859	2.0000e-003	4.1000e-004	60.4590
NaturalGas Mitigated	1.4400e-003	0.0131	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.2364	14.2364	2.7000e-004	2.6000e-004	14.3210
NaturalGas Unmitigated	1.4400e-003	0.0131	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.2364	14.2364	2.7000e-004	2.6000e-004	14.3210

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	266781	1.4400e-003	0.0131	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.2364	14.2364	2.7000e-004	2.6000e-004	14.3210
Total		**1.4400e-003**	**0.0131**	**0.0110**	**8.0000e-005**		**9.9000e-004**	**9.9000e-004**		**9.9000e-004**	**9.9000e-004**	**0.0000**	**14.2364**	**14.2364**	**2.7000e-004**	**2.6000e-004**	**14.3210**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	266781	1.4400e-003	0.0131	0.0110	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.2364	14.2364	2.7000e-004	2.6000e-004	14.3210
Total		**1.4400e-003**	**0.0131**	**0.0110**	**8.0000e-005**		**9.9000e-004**	**9.9000e-004**		**9.9000e-004**	**9.9000e-004**	**0.0000**	**14.2364**	**14.2364**	**2.7000e-004**	**2.6000e-004**	**14.3210**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	151860	60.2859	2.0000e-003	4.1000e-004	60.4590
Total		**60.2859**	**2.0000e-003**	**4.1000e-004**	**60.4590**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	151860	60.2859	2.0000e-003	4.1000e-004	60.4590
Total		**60.2859**	**2.0000e-003**	**4.1000e-004**	**60.4590**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1046	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004
Unmitigated	0.1046	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0927					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004
Total	**0.1046**	**0.0000**	**3.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**6.4000e-004**	**6.4000e-004**	**0.0000**	**0.0000**	**6.8000e-004**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0927					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.4000e-004	6.4000e-004	0.0000	0.0000	6.8000e-004
Total	**0.1046**	**0.0000**	**3.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**6.4000e-004**	**6.4000e-004**	**0.0000**	**0.0000**	**6.8000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	14.3321	0.0282	7.5000e-004	15.2616
Unmitigated	14.3321	0.0282	7.5000e-004	15.2616

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.851699 / 2.19008	14.3321	0.0282	7.5000e-004	15.2616
Total		**14.3321**	**0.0282**	**7.5000e-004**	**15.2616**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.851699 / 2.19008	14.3321	0.0282	7.5000e-004	15.2616
Total		**14.3321**	**0.0282**	**7.5000e-004**	**15.2616**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.7677	0.4000	0.0000	16.7667
Unmitigated	6.7677	0.4000	0.0000	16.7667

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	33.34	6.7677	0.4000	0.0000	16.7667
Total		**6.7677**	**0.4000**	**0.0000**	**16.7667**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	33.34	6.7677	0.4000	0.0000	16.7667
Total		**6.7677**	**0.4000**	**0.0000**	**16.7667**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

Existing Operation Only - Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kennedy HS Comprehensive Modernization Project

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	25.65	1000sqft	0.59	25,652.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes sqft of building area to be demolished for emission nettting analysis.

Construction Phase - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Off-road Equipment - Per applicant provided information

Off-road Equipment - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Trips and VMT - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

On-road Fugitive Dust - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Demolition - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Grading - Per applicant provided information

Architectural Coating - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Vehicle Trips -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust -

Woodstoves -

Consumer Products -

Area Coating -

Landscape Equipment -

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

Stationary Sources - Emergency Generators and Fire Pumps EF -

Stationary Sources - Process Boilers EF -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	25,650.00	25,652.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8394	7.2825	7.9719	0.0131	0.1118	0.4082	0.5200	0.0296	0.3894	0.4191	0.0000	1,261.3108	1,261.3108	0.2172	0.0000	1,266.7406
Maximum	**0.8394**	**7.2825**	**7.9719**	**0.0131**	**0.1118**	**0.4082**	**0.5200**	**0.0296**	**0.3894**	**0.4191**	**0.0000**	**1,261.3108**	**1,261.3108**	**0.2172**	**0.0000**	**1,266.7406**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8394	7.2825	7.9719	0.0131	0.1118	0.4082	0.5200	0.0296	0.3894	0.4191	0.0000	1,261.3108	1,261.3108	0.2172	0.0000	1,266.7406
Maximum	**0.8394**	**7.2825**	**7.9719**	**0.0131**	**0.1118**	**0.4082**	**0.5200**	**0.0296**	**0.3894**	**0.4191**	**0.0000**	**1,261.3108**	**1,261.3108**	**0.2172**	**0.0000**	**1,266.7406**

Kennedy HS Comprehensive Modernization Project - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5733	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003
Energy	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000
Mobile	0.5477	2.4019	8.0857	0.0334	3.0020	0.0244	3.0263	0.8032	0.0227	0.8259		3,407.4406	3,407.4406	0.1513		3,411.2237
Total	**1.1289**	**2.4735**	**8.1485**	**0.0338**	**3.0020**	**0.0299**	**3.0318**	**0.8032**	**0.0281**	**0.8313**		**3,493.4352**	**3,493.4352**	**0.1530**	**1.5800e-003**	**3,497.7297**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5733	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003
Energy	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000
Mobile	0.5477	2.4019	8.0857	0.0334	3.0020	0.0244	3.0263	0.8032	0.0227	0.8259		3,407.4406	3,407.4406	0.1513		3,411.2237
Total	**1.1289**	**2.4735**	**8.1485**	**0.0338**	**3.0020**	**0.0299**	**3.0318**	**0.8032**	**0.0281**	**0.8313**		**3,493.4352**	**3,493.4352**	**0.1530**	**1.5800e-003**	**3,497.7297**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2021	11/12/2021	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0000**	**0.4073**	**0.4073**	**0.0000**	**0.3886**	**0.3886**		**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
Total	**0.0429**	**0.0295**	**0.4028**	**1.1400e-003**	**0.1118**	**9.0000e-004**	**0.1127**	**0.0296**	**8.3000e-004**	**0.0305**		**113.8770**	**113.8770**	**3.3600e-003**		**113.9609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0000**	**0.4073**	**0.4073**	**0.0000**	**0.3886**	**0.3886**	**0.0000**	**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
Total	**0.0429**	**0.0295**	**0.4028**	**1.1400e-003**	**0.1118**	**9.0000e-004**	**0.1127**	**0.0296**	**8.3000e-004**	**0.0305**		**113.8770**	**113.8770**	**3.3600e-003**		**113.9609**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5477	2.4019	8.0857	0.0334	3.0020	0.0244	3.0263	0.8032	0.0227	0.8259		3,407.4406	3,407.4406	0.1513		3,411.2237
Unmitigated	0.5477	2.4019	8.0857	0.0334	3.0020	0.0244	3.0263	0.8032	0.0227	0.8259		3,407.4406	3,407.4406	0.1513		3,411.2237

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	330.63	112.09	45.91	1,105,002	1,105,002
Total	330.63	112.09	45.91	1,105,002	1,105,002

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

Existing Operation Only - Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000
NaturalGas Unmitigated	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	730.906	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000
Total		**7.8800e-003**	**0.0717**	**0.0602**	**4.3000e-004**		**5.4500e-003**	**5.4500e-003**		**5.4500e-003**	**5.4500e-003**		**85.9890**	**85.9890**	**1.6500e-003**	**1.5800e-003**	**86.5000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	0.730906	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000
Total		**7.8800e-003**	**0.0717**	**0.0602**	**4.3000e-004**		**5.4500e-003**	**5.4500e-003**		**5.4500e-003**	**5.4500e-003**		**85.9890**	**85.9890**	**1.6500e-003**	**1.5800e-003**	**86.5000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5733	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003
Unmitigated	0.5733	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003
Total	**0.5733**	**2.0000e-005**	**2.6100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.6100e-003**	**5.6100e-003**	**1.0000e-005**		**5.9800e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003
Total	**0.5733**	**2.0000e-005**	**2.6100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.6100e-003**	**5.6100e-003**	**1.0000e-005**		**5.9800e-003**

7.0 Water Detail

Existing Operation Only - Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kennedy HS Comprehensive Modernization Project

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	25.65	1000sqft	0.59	25,652.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes sqft of building area to be demolished for emission nettting analysis.

Construction Phase - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Off-road Equipment - Per applicant provided information

Off-road Equipment - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Trips and VMT - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

On-road Fugitive Dust - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Demolition - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Grading - Per applicant provided information

Architectural Coating - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Vehicle Trips -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust -

Woodstoves -

Consumer Products -

Area Coating -

Landscape Equipment -

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

Stationary Sources - Emergency Generators and Fire Pumps EF -

Stationary Sources - Process Boilers EF -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	25,650.00	25,652.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8442	7.2856	7.9374	0.0131	0.1118	0.4082	0.5200	0.0296	0.3894	0.4191	0.0000	1,254.6589	1,254.6589	0.2170	0.0000	1,260.0837
Maximum	**0.8442**	**7.2856**	**7.9374**	**0.0131**	**0.1118**	**0.4082**	**0.5200**	**0.0296**	**0.3894**	**0.4191**	**0.0000**	**1,254.6589**	**1,254.6589**	**0.2170**	**0.0000**	**1,260.0837**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8442	7.2856	7.9374	0.0131	0.1118	0.4082	0.5200	0.0296	0.3894	0.4191	0.0000	1,254.6589	1,254.6589	0.2170	0.0000	1,260.0837
Maximum	**0.8442**	**7.2856**	**7.9374**	**0.0131**	**0.1118**	**0.4082**	**0.5200**	**0.0296**	**0.3894**	**0.4191**	**0.0000**	**1,254.6589**	**1,254.6589**	**0.2170**	**0.0000**	**1,260.0837**

Kennedy HS Comprehensive Modernization Project - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5733	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003
Energy	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000
Mobile	0.5311	2.4669	7.5909	0.0318	3.0020	0.0245	3.0264	0.8032	0.0227	0.8259		3,248.3624	3,248.3624	0.1504		3,252.1215
Total	**1.1123**	**2.5385**	**7.6537**	**0.0323**	**3.0020**	**0.0299**	**3.0319**	**0.8032**	**0.0282**	**0.8314**		**3,334.3570**	**3,334.3570**	**0.1520**	**1.5800e-003**	**3,338.6274**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5733	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003
Energy	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000
Mobile	0.5311	2.4669	7.5909	0.0318	3.0020	0.0245	3.0264	0.8032	0.0227	0.8259		3,248.3624	3,248.3624	0.1504		3,252.1215
Total	**1.1123**	**2.5385**	**7.6537**	**0.0323**	**3.0020**	**0.0299**	**3.0319**	**0.8032**	**0.0282**	**0.8314**		**3,334.3570**	**3,334.3570**	**0.1520**	**1.5800e-003**	**3,338.6274**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2021	11/12/2021	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0000**	**0.4073**	**0.4073**	**0.0000**	**0.3886**	**0.3886**		**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
Total	**0.0477**	**0.0326**	**0.3683**	**1.0800e-003**	**0.1118**	**9.0000e-004**	**0.1127**	**0.0296**	**8.3000e-004**	**0.0305**		**107.2251**	**107.2251**	**3.1600e-003**		**107.3040**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0000**	**0.4073**	**0.4073**	**0.0000**	**0.3886**	**0.3886**	**0.0000**	**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
Total	**0.0477**	**0.0326**	**0.3683**	**1.0800e-003**	**0.1118**	**9.0000e-004**	**0.1127**	**0.0296**	**8.3000e-004**	**0.0305**		**107.2251**	**107.2251**	**3.1600e-003**		**107.3040**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5311	2.4669	7.5909	0.0318	3.0020	0.0245	3.0264	0.8032	0.0227	0.8259		3,248.3624	3,248.3624	0.1504		3,252.1215
Unmitigated	0.5311	2.4669	7.5909	0.0318	3.0020	0.0245	3.0264	0.8032	0.0227	0.8259		3,248.3624	3,248.3624	0.1504		3,252.1215

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	330.63	112.09	45.91	1,105,002	1,105,002
Total	330.63	112.09	45.91	1,105,002	1,105,002

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

Existing Operation Only - Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000
NaturalGas Unmitigated	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	730.906	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000
Total		**7.8800e-003**	**0.0717**	**0.0602**	**4.3000e-004**		**5.4500e-003**	**5.4500e-003**		**5.4500e-003**	**5.4500e-003**		**85.9890**	**85.9890**	**1.6500e-003**	**1.5800e-003**	**86.5000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	0.730906	7.8800e-003	0.0717	0.0602	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		85.9890	85.9890	1.6500e-003	1.5800e-003	86.5000
Total		**7.8800e-003**	**0.0717**	**0.0602**	**4.3000e-004**		**5.4500e-003**	**5.4500e-003**		**5.4500e-003**	**5.4500e-003**		**85.9890**	**85.9890**	**1.6500e-003**	**1.5800e-003**	**86.5000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5733	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003
Unmitigated	0.5733	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003
Total	**0.5733**	**2.0000e-005**	**2.6100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.6100e-003**	**5.6100e-003**	**1.0000e-005**		**5.9800e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.6100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.6100e-003	5.6100e-003	1.0000e-005		5.9800e-003
Total	**0.5733**	**2.0000e-005**	**2.6100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.6100e-003**	**5.6100e-003**	**1.0000e-005**		**5.9800e-003**

7.0 Water Detail

Existing Operation Only - Winter

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kennedy HS Comprehensive Modernization Project Proposed Operation

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	20.62	1000sqft	0.47	20,624.00	0
Parking Lot	341.28	1000sqft	7.83	341,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes sqft of new building area and parking for operaltional emission nettting analysis.

Construction Phase - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Off-road Equipment - Per applicant provided information

Off-road Equipment - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Trips and VMT - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

On-road Fugitive Dust - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Demolition - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Grading - Per applicant provided information

Architectural Coating - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Vehicle Trips - Default values

Vehicle Emission Factors - Default values

Vehicle Emission Factors - Default values

Vehicle Emission Factors - Default values

Road Dust - Default values

Woodstoves -

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - Default values

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

Stationary Sources - Emergency Generators and Fire Pumps EF -

Stationary Sources - Process Boilers EF -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0323	0.3149	0.2213	4.0000e-004	1.6400e-003	0.0155	0.0172	4.4000e-004	0.0144	0.0149	0.0000	35.4842	35.4842	9.6100e-003	0.0000	35.7245
Maximum	**0.0323**	**0.3149**	**0.2213**	**4.0000e-004**	**1.6400e-003**	**0.0155**	**0.0172**	**4.4000e-004**	**0.0144**	**0.0149**	**0.0000**	**35.4842**	**35.4842**	**9.6100e-003**	**0.0000**	**35.7245**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0323	0.3149	0.2213	4.0000e-004	1.6400e-003	0.0155	0.0172	4.4000e-004	0.0144	0.0149	0.0000	35.4841	35.4841	9.6100e-003	0.0000	35.7245
Maximum	**0.0323**	**0.3149**	**0.2213**	**4.0000e-004**	**1.6400e-003**	**0.0155**	**0.0172**	**4.4000e-004**	**0.0144**	**0.0149**	**0.0000**	**35.4841**	**35.4841**	**9.6100e-003**	**0.0000**	**35.7245**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1105	4.0000e-005	4.6100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.9800e-003	8.9800e-003	2.0000e-005	0.0000	9.5700e-003
Energy	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	107.3343	107.3343	3.4000e-003	8.7000e-004	107.6777
Mobile	0.0545	0.2717	0.7977	3.5100e-003	0.3371	2.5500e-003	0.3397	0.0903	2.3700e-003	0.0927	0.0000	325.8205	325.8205	0.0142	0.0000	326.1747
Waste						0.0000	0.0000		0.0000	0.0000	5.0017	0.0000	5.0017	0.2956	0.0000	12.3915
Water						0.0000	0.0000		0.0000	0.0000	0.1996	10.3888	10.5884	0.0209	5.6000e-004	11.2751
Total	**0.1662**	**0.2823**	**0.8112**	**3.5700e-003**	**0.3371**	**3.3700e-003**	**0.3405**	**0.0903**	**3.1900e-003**	**0.0935**	**5.2013**	**443.5527**	**448.7540**	**0.3340**	**1.4300e-003**	**457.5285**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1105	4.0000e-005	4.6100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.9800e-003	8.9800e-003	2.0000e-005	0.0000	9.5700e-003
Energy	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	107.3343	107.3343	3.4000e-003	8.7000e-004	107.6777
Mobile	0.0545	0.2717	0.7977	3.5100e-003	0.3371	2.5500e-003	0.3397	0.0903	2.3700e-003	0.0927	0.0000	325.8205	325.8205	0.0142	0.0000	326.1747
Waste						0.0000	0.0000		0.0000	0.0000	5.0017	0.0000	5.0017	0.2956	0.0000	12.3915
Water						0.0000	0.0000		0.0000	0.0000	0.1996	10.3888	10.5884	0.0209	5.6000e-004	11.2751
Total	**0.1662**	**0.2823**	**0.8112**	**3.5700e-003**	**0.3371**	**3.3700e-003**	**0.3405**	**0.0903**	**3.1900e-003**	**0.0935**	**5.2013**	**443.5527**	**448.7540**	**0.3340**	**1.4300e-003**	**457.5285**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2021	11/26/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.83

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**	**0.0000**	**0.0155**	**0.0155**	**0.0000**	**0.0144**	**0.0144**	**0.0000**	**34.0008**	**34.0008**	**9.5700e-003**	**0.0000**	**34.2400**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	**6.5000e-004**	**5.0000e-004**	**5.6700e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.4834**	**1.4834**	**4.0000e-005**	**0.0000**	**1.4845**

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**	**0.0000**	**0.0155**	**0.0155**	**0.0000**	**0.0144**	**0.0144**	**0.0000**	**34.0007**	**34.0007**	**9.5700e-003**	**0.0000**	**34.2400**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	**6.5000e-004**	**5.0000e-004**	**5.6700e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.4834**	**1.4834**	**4.0000e-005**	**0.0000**	**1.4845**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0545	0.2717	0.7977	3.5100e-003	0.3371	2.5500e-003	0.3397	0.0903	2.3700e-003	0.0927	0.0000	325.8205	325.8205	0.0142	0.0000	326.1747
Unmitigated	0.0545	0.2717	0.7977	3.5100e-003	0.3371	2.5500e-003	0.3397	0.0903	2.3700e-003	0.0927	0.0000	325.8205	325.8205	0.0142	0.0000	326.1747

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	265.84	90.13	36.92	888,482	888,482
Parking Lot	0.00	0.00	0.00		
Total	265.84	90.13	36.92	888,482	888,482

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Parking Lot	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	95.8884	95.8884	3.1800e-003	6.6000e-004	96.1637
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	95.8884	95.8884	3.1800e-003	6.6000e-004	96.1637
NaturalGas Mitigated	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4460	11.4460	2.2000e-004	2.1000e-004	11.5140
NaturalGas Unmitigated	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4460	11.4460	2.2000e-004	2.1000e-004	11.5140

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	214490	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4460	11.4460	2.2000e-004	2.1000e-004	11.5140
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.1600e-003**	**0.0105**	**8.8300e-003**	**6.0000e-005**		**8.0000e-004**	**8.0000e-004**		**8.0000e-004**	**8.0000e-004**	**0.0000**	**11.4460**	**11.4460**	**2.2000e-004**	**2.1000e-004**	**11.5140**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	214490	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4460	11.4460	2.2000e-004	2.1000e-004	11.5140
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.1600e-003**	**0.0105**	**8.8300e-003**	**6.0000e-005**		**8.0000e-004**	**8.0000e-004**		**8.0000e-004**	**8.0000e-004**	**0.0000**	**11.4460**	**11.4460**	**2.2000e-004**	**2.1000e-004**	**11.5140**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	122094	48.4694	1.6100e-003	3.3000e-004	48.6086
Parking Lot	119448	47.4190	1.5700e-003	3.3000e-004	47.5551
Total		**95.8884**	**3.1800e-003**	**6.6000e-004**	**96.1637**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	122094	48.4694	1.6100e-003	3.3000e-004	48.6086
Parking Lot	119448	47.4190	1.5700e-003	3.3000e-004	47.5551
Total		**95.8884**	**3.1800e-003**	**6.6000e-004**	**96.1637**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1105	4.0000e-005	4.6100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.9800e-003	8.9800e-003	2.0000e-005	0.0000	9.5700e-003
Unmitigated	0.1105	4.0000e-005	4.6100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.9800e-003	8.9800e-003	2.0000e-005	0.0000	9.5700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0135					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0966					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.2000e-004	4.0000e-005	4.6100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.9800e-003	8.9800e-003	2.0000e-005	0.0000	9.5700e-003
Total	**0.1105**	**4.0000e-005**	**4.6100e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**8.9800e-003**	**8.9800e-003**	**2.0000e-005**	**0.0000**	**9.5700e-003**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0135					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0966					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.2000e-004	4.0000e-005	4.6100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.9800e-003	8.9800e-003	2.0000e-005	0.0000	9.5700e-003
Total	**0.1105**	**4.0000e-005**	**4.6100e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**8.9800e-003**	**8.9800e-003**	**2.0000e-005**	**0.0000**	**9.5700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.5884	0.0209	5.6000e-004	11.2751
Unmitigated	10.5884	0.0209	5.6000e-004	11.2751

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.629228 / 1.61801	10.5884	0.0209	5.6000e-004	11.2751
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**10.5884**	**0.0209**	**5.6000e-004**	**11.2751**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.629228 / 1.61801	10.5884	0.0209	5.6000e-004	11.2751
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**10.5884**	**0.0209**	**5.6000e-004**	**11.2751**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.0017	0.2956	0.0000	12.3915
Unmitigated	5.0017	0.2956	0.0000	12.3915

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	24.64	5.0017	0.2956	0.0000	12.3915
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**5.0017**	**0.2956**	**0.0000**	**12.3915**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	24.64	5.0017	0.2956	0.0000	12.3915
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**5.0017**	**0.2956**	**0.0000**	**12.3915**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kennedy HS Comprehensive Modernization Project Proposed Operation

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	20.62	1000sqft	0.47	20,624.00	0
Parking Lot	341.28	1000sqft	7.83	341,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes sqft of new building area and parking for operaltional emission nettting analysis.

Construction Phase - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Off-road Equipment - Per applicant provided information

Off-road Equipment - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Trips and VMT - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

On-road Fugitive Dust - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Demolition - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Grading - Per applicant provided information

Architectural Coating - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Vehicle Trips - Default values

Vehicle Emission Factors - Default values

Vehicle Emission Factors - Default values

Vehicle Emission Factors - Default values

Road Dust - Default values

Woodstoves -

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - Default values

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

Stationary Sources - Emergency Generators and Fire Pumps EF -

Stationary Sources - Process Boilers EF -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.2294	31.4849	22.1692	0.0405	0.1677	1.5527	1.7204	0.0445	1.4423	1.4868	0.0000	3,918.7604	3,918.7604	1.0599	0.0000	3,945.2587
Maximum	**3.2294**	**31.4849**	**22.1692**	**0.0405**	**0.1677**	**1.5527**	**1.7204**	**0.0445**	**1.4423**	**1.4868**	**0.0000**	**3,918.7604**	**3,918.7604**	**1.0599**	**0.0000**	**3,945.2587**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.2294	31.4849	22.1692	0.0405	0.1677	1.5527	1.7204	0.0445	1.4423	1.4868	0.0000	3,918.7604	3,918.7604	1.0599	0.0000	3,945.2587
Maximum	**3.2294**	**31.4849**	**22.1692**	**0.0405**	**0.1677**	**1.5527**	**1.7204**	**0.0445**	**1.4423**	**1.4868**	**0.0000**	**3,918.7604**	**3,918.7604**	**1.0599**	**0.0000**	**3,945.2587**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6068	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Energy	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453
Mobile	0.4023	1.8311	5.8615	0.0256	2.4135	0.0179	2.4315	0.6457	0.0167	0.6624		2,608.8170	2,608.8170	0.1104		2,611.5771
Total	**1.0155**	**1.8891**	**5.9468**	**0.0259**	**2.4135**	**0.0224**	**2.4360**	**0.6457**	**0.0212**	**0.6669**		**2,678.0306**	**2,678.0306**	**0.1119**	**1.2700e-003**	**2,681.2067**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6068	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Energy	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453
Mobile	0.4023	1.8311	5.8615	0.0256	2.4135	0.0179	2.4315	0.6457	0.0167	0.6624		2,608.8170	2,608.8170	0.1104		2,611.5771
Total	**1.0155**	**1.8891**	**5.9468**	**0.0259**	**2.4135**	**0.0224**	**2.4360**	**0.6457**	**0.0212**	**0.6669**		**2,678.0306**	**2,678.0306**	**0.1119**	**1.2700e-003**	**2,681.2067**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2021	11/26/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.83

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.0000**	**1.5513**	**1.5513**	**0.0000**	**1.4411**	**1.4411**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**		**170.8155**	**170.8155**	**5.0300e-003**		**170.9413**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.0000**	**1.5513**	**1.5513**	**0.0000**	**1.4411**	**1.4411**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**		**170.8155**	**170.8155**	**5.0300e-003**		**170.9413**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4023	1.8311	5.8615	0.0256	2.4135	0.0179	2.4315	0.6457	0.0167	0.6624		2,608.8170	2,608.8170	0.1104		2,611.5771
Unmitigated	0.4023	1.8311	5.8615	0.0256	2.4135	0.0179	2.4315	0.6457	0.0167	0.6624		2,608.8170	2,608.8170	0.1104		2,611.5771

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	265.84	90.13	36.92	888,482	888,482
Parking Lot	0.00	0.00	0.00		
Total	265.84	90.13	36.92	888,482	888,482

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Parking Lot	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453
NaturalGas Unmitigated	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	587.643	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**6.3400e-003**	**0.0576**	**0.0484**	**3.5000e-004**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**		**69.1344**	**69.1344**	**1.3300e-003**	**1.2700e-003**	**69.5453**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	0.587643	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**6.3400e-003**	**0.0576**	**0.0484**	**3.5000e-004**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**		**69.1344**	**69.1344**	**1.3300e-003**	**1.2700e-003**	**69.5453**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6068	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Unmitigated	0.6068	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0741					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3900e-003	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Total	**0.6068**	**3.3000e-004**	**0.0369**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0792**	**0.0792**	**2.1000e-004**		**0.0844**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0741					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3900e-003	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Total	**0.6068**	**3.3000e-004**	**0.0369**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0792**	**0.0792**	**2.1000e-004**		**0.0844**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kennedy HS Comprehensive Modernization Project Proposed Operation

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	20.62	1000sqft	0.47	20,624.00	0
Parking Lot	341.28	1000sqft	7.83	341,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes sqft of new building area and parking for operaltional emission nettting analysis.

Construction Phase - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Off-road Equipment - Per applicant provided information

Off-road Equipment - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Trips and VMT - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

On-road Fugitive Dust - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Demolition - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Grading - Per applicant provided information

Architectural Coating - CalEEMod run is for Operational analysis only, construction infomation is only placeholder and is not used in the project analysis.

Vehicle Trips - Default values

Vehicle Emission Factors - Default values

Vehicle Emission Factors - Default values

Vehicle Emission Factors - Default values

Road Dust - Default values

Woodstoves -

Consumer Products - Default values

Area Coating - Default values

Landscape Equipment - Default values

Energy Use - Default values

Water And Wastewater - Default values

Solid Waste - Default values

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - Default values

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

Stationary Sources - Emergency Generators and Fire Pumps EF -

Stationary Sources - Process Boilers EF -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.2366	31.4896	22.1174	0.0404	0.1677	1.5527	1.7204	0.0445	1.4423	1.4868	0.0000	3,908.7826	3,908.7826	1.0596	0.0000	3,935.2733
Maximum	**3.2366**	**31.4896**	**22.1174**	**0.0404**	**0.1677**	**1.5527**	**1.7204**	**0.0445**	**1.4423**	**1.4868**	**0.0000**	**3,908.7826**	**3,908.7826**	**1.0596**	**0.0000**	**3,935.2733**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.2366	31.4896	22.1174	0.0404	0.1677	1.5527	1.7204	0.0445	1.4423	1.4868	0.0000	3,908.7826	3,908.7826	1.0596	0.0000	3,935.2733
Maximum	**3.2366**	**31.4896**	**22.1174**	**0.0404**	**0.1677**	**1.5527**	**1.7204**	**0.0445**	**1.4423**	**1.4868**	**0.0000**	**3,908.7826**	**3,908.7826**	**1.0596**	**0.0000**	**3,935.2733**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6068	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Energy	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453
Mobile	0.3903	1.8754	5.5084	0.0244	2.4135	0.0180	2.4315	0.6457	0.0167	0.6624		2,488.7556	2,488.7556	0.1100		2,491.5048
Total	**1.0034**	**1.9333**	**5.5936**	**0.0247**	**2.4135**	**0.0225**	**2.4360**	**0.6457**	**0.0212**	**0.6669**		**2,557.9692**	**2,557.9692**	**0.1115**	**1.2700e-003**	**2,561.1344**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6068	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Energy	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453
Mobile	0.3903	1.8754	5.5084	0.0244	2.4135	0.0180	2.4315	0.6457	0.0167	0.6624		2,488.7556	2,488.7556	0.1100		2,491.5048
Total	**1.0034**	**1.9333**	**5.5936**	**0.0247**	**2.4135**	**0.0225**	**2.4360**	**0.6457**	**0.0212**	**0.6669**		**2,557.9692**	**2,557.9692**	**0.1115**	**1.2700e-003**	**2,561.1344**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2021	11/26/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.83

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.0000**	**1.5513**	**1.5513**	**0.0000**	**1.4411**	**1.4411**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**		**160.8377**	**160.8377**	**4.7300e-003**		**160.9560**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.0000**	**1.5513**	**1.5513**	**0.0000**	**1.4411**	**1.4411**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**		**160.8377**	**160.8377**	**4.7300e-003**		**160.9560**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3903	1.8754	5.5084	0.0244	2.4135	0.0180	2.4315	0.6457	0.0167	0.6624		2,488.7556	2,488.7556	0.1100		2,491.5048
Unmitigated	0.3903	1.8754	5.5084	0.0244	2.4135	0.0180	2.4315	0.6457	0.0167	0.6624		2,488.7556	2,488.7556	0.1100		2,491.5048

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	265.84	90.13	36.92	888,482	888,482
Parking Lot	0.00	0.00	0.00		
Total	265.84	90.13	36.92	888,482	888,482

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Parking Lot	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453
NaturalGas Unmitigated	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	587.643	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**6.3400e-003**	**0.0576**	**0.0484**	**3.5000e-004**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**		**69.1344**	**69.1344**	**1.3300e-003**	**1.2700e-003**	**69.5453**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	0.587643	6.3400e-003	0.0576	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1344	69.1344	1.3300e-003	1.2700e-003	69.5453
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**6.3400e-003**	**0.0576**	**0.0484**	**3.5000e-004**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**		**69.1344**	**69.1344**	**1.3300e-003**	**1.2700e-003**	**69.5453**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6068	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Unmitigated	0.6068	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0741					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3900e-003	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Total	**0.6068**	**3.3000e-004**	**0.0369**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0792**	**0.0792**	**2.1000e-004**		**0.0844**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0741					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3900e-003	3.3000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0792	0.0792	2.1000e-004		0.0844
Total	**0.6068**	**3.3000e-004**	**0.0369**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0792**	**0.0792**	**2.1000e-004**		**0.0844**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kennedy HS Comprehensive Modernization Project Construction Phase 1

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	107.75	1000sqft	2.47	107,753.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes remodel and new construction sqft

Construction Phase - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Trips and VMT - Site Preparation total haul trips based on applicant provided information.

Demolition - Per applicant provided information

Grading - Per applicant provided information

Vehicle Trips - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Road Dust - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Woodstoves - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Consumer Products - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Area Coating - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Landscape Equipment - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Energy Use - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Water And Wastewater - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Solid Waste - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - User Defined - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps EF - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers EF - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	53877	54114
tblAreaCoating	Area_Nonresidential_Interior	161630	162342
tblConstructionPhase	NumDays	220.00	627.00
tblConstructionPhase	NumDays	20.00	80.00
tblConstructionPhase	NumDays	3.00	77.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	MaterialExported	0.00	37,240.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	7.00	14.00
tblOffRoadEquipment	UsageHours	6.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	7.00	14.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2
tblTripsAndVMT	HaulingTripNumber	29.00	26.00
tblTripsAndVMT	HaulingTripNumber	4,655.00	2,660.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0754	0.5889	0.7626	1.2200e-003	6.6200e-003	0.0333	0.0399	1.5200e-003	0.0323	0.0338	0.0000	106.2449	106.2449	0.0179	0.0000	106.6917
2022	0.4825	4.7243	4.1976	0.0102	0.1009	0.2072	0.3081	0.0269	0.1947	0.2216	0.0000	906.0855	906.0855	0.1985	0.0000	911.0489
2023	0.4928	4.4884	4.0904	0.0106	0.0963	0.1943	0.2906	0.0260	0.1829	0.2089	0.0000	933.1584	933.1584	0.2153	0.0000	938.5408
2024	0.1571	1.4041	1.3598	3.5500e-003	0.0324	0.0585	0.0910	8.7500e-003	0.0551	0.0638	0.0000	313.4435	313.4435	0.0722	0.0000	315.2492
Maximum	**0.4928**	**4.7243**	**4.1976**	**0.0106**	**0.1009**	**0.2072**	**0.3081**	**0.0269**	**0.1947**	**0.2216**	**0.0000**	**933.1584**	**933.1584**	**0.2153**	**0.0000**	**938.5408**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0754	0.5889	0.7626	1.2200e-003	5.4900e-003	0.0333	0.0387	1.3500e-003	0.0323	0.0337	0.0000	106.2448	106.2448	0.0179	0.0000	106.6916
2022	0.4825	4.7243	4.1975	0.0102	0.0991	0.2072	0.3063	0.0266	0.1947	0.2213	0.0000	906.0847	906.0847	0.1985	0.0000	911.0480
2023	0.4928	4.4884	4.0904	0.0106	0.0963	0.1943	0.2906	0.0260	0.1829	0.2089	0.0000	933.1574	933.1574	0.2153	0.0000	938.5398
2024	0.1571	1.4041	1.3598	3.5500e-003	0.0324	0.0585	0.0910	8.7500e-003	0.0551	0.0638	0.0000	313.4432	313.4432	0.0722	0.0000	315.2489
Maximum	**0.4928**	**4.7243**	**4.1975**	**0.0106**	**0.0991**	**0.2072**	**0.3063**	**0.0266**	**0.1947**	**0.2213**	**0.0000**	**933.1574**	**933.1574**	**0.2153**	**0.0000**	**938.5398**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**1.22**	**0.00**	**0.39**	**0.68**	**0.00**	**0.08**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**11-1-2021**	**1-31-2022**	0.9563	0.9563
2	**2-1-2022**	**4-30-2022**	1.1996	1.1996
3	**5-1-2022**	**7-31-2022**	1.3982	1.3982
4	**8-1-2022**	**10-31-2022**	1.3852	1.3852
5	**11-1-2022**	**1-31-2023**	1.3432	1.3432
6	**2-1-2023**	**4-30-2023**	1.2175	1.2175
7	**5-1-2023**	**7-31-2023**	1.2578	1.2578
8	**8-1-2023**	**10-31-2023**	1.2581	1.2581

9	**11-1-2023**	**1-31-2024**	1.2298	1.2298
10	**2-1-2024**	**4-30-2024**	1.1466	1.1466
11	**5-1-2024**	**7-31-2024**	0.0127	0.0127
		Highest	1.3982	1.3982

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4397	1.0000e-005	1.3700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003
Energy	6.0400e-003	0.0549	0.0461	3.3000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	313.0364	313.0364	9.5400e-003	2.8300e-003	314.1189
Mobile	0.3116	1.5018	4.6201	0.0193	1.7614	0.0146	1.7760	0.4721	0.0136	0.4856	0.0000	1,786.6936	1,786.6936	0.0814	0.0000	1,788.7293
Waste						0.0000	0.0000		0.0000	0.0000	28.5608	0.0000	28.5608	1.6879	0.0000	70.7582
Water						0.0000	0.0000		0.0000	0.0000	1.1401	59.3340	60.4742	0.1191	3.1700e-003	64.3961
Total	**0.7573**	**1.5568**	**4.6676**	**0.0196**	**1.7614**	**0.0188**	**1.7802**	**0.4721**	**0.0177**	**0.4898**	**29.7010**	**2,159.0667**	**2,188.7677**	**1.8980**	**6.0000e-003**	**2,238.0053**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4397	1.0000e-005	1.3700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003
Energy	6.0400e-003	0.0549	0.0461	3.3000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	313.0364	313.0364	9.5400e-003	2.8300e-003	314.1189
Mobile	0.3116	1.5018	4.6201	0.0193	1.7614	0.0146	1.7760	0.4721	0.0136	0.4856	0.0000	1,786.6936	1,786.6936	0.0814	0.0000	1,788.7293
Waste						0.0000	0.0000		0.0000	0.0000	28.5608	0.0000	28.5608	1.6879	0.0000	70.7582
Water						0.0000	0.0000		0.0000	0.0000	1.1401	59.3340	60.4742	0.1191	3.1700e-003	64.3961
Total	**0.7573**	**1.5568**	**4.6676**	**0.0196**	**1.7614**	**0.0188**	**1.7802**	**0.4721**	**0.0177**	**0.4898**	**29.7010**	**2,159.0667**	**2,188.7677**	**1.8980**	**6.0000e-003**	**2,238.0053**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2021	2/1/2022	6	80	
2	Site Preparation	Site Preparation	2/1/2022	5/1/2022	6	77	
3	Building Construction	Building Construction	5/1/2022	5/1/2024	6	627	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	2	14.00	78	0.48
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	14.00	85	0.78
Demolition	Excavators	1	14.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	14.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Excavators	1	14.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Plate Compactors	1	14.00	8	0.43
Site Preparation	Rollers	2	14.00	80	0.38
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Skid Steer Loaders	1	14.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Trenchers	1	14.00	78	0.50
Building Construction	Air Compressors	2	14.00	78	0.48
Building Construction	Bore/Drill Rigs	1	14.00	221	0.50
Building Construction	Cranes	2	14.00	231	0.29
Building Construction	Forklifts	1	14.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	26.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	2,660.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	46.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0600e-003	0.0000	2.0600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0736	0.5852	0.7470	1.1700e-003		0.0332	0.0332		0.0323	0.0323	0.0000	101.6575	101.6575	0.0177	0.0000	102.1002
Total	**0.0736**	**0.5852**	**0.7470**	**1.1700e-003**	**2.0600e-003**	**0.0332**	**0.0353**	**3.1000e-004**	**0.0323**	**0.0326**	**0.0000**	**101.6575**	**101.6575**	**0.0177**	**0.0000**	**102.1002**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-005	2.3800e-003	5.6000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6565	0.6565	5.0000e-005	0.0000	0.6577
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7100e-003	1.3300e-003	0.0150	4.0000e-005	4.3600e-003	4.0000e-005	4.3900e-003	1.1600e-003	3.0000e-005	1.1900e-003	0.0000	3.9310	3.9310	1.2000e-004	0.0000	3.9338
Total	**1.7800e-003**	**3.7100e-003**	**0.0156**	**5.0000e-005**	**4.5600e-003**	**5.0000e-005**	**4.6000e-003**	**1.2100e-003**	**4.0000e-005**	**1.2500e-003**	**0.0000**	**4.5875**	**4.5875**	**1.7000e-004**	**0.0000**	**4.5915**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.3000e-004	0.0000	9.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0736	0.5852	0.7470	1.1700e-003		0.0332	0.0332		0.0323	0.0323	0.0000	101.6573	101.6573	0.0177	0.0000	102.1001
Total	**0.0736**	**0.5852**	**0.7470**	**1.1700e-003**	**9.3000e-004**	**0.0332**	**0.0341**	**1.4000e-004**	**0.0323**	**0.0324**	**0.0000**	**101.6573**	**101.6573**	**0.0177**	**0.0000**	**102.1001**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-005	2.3800e-003	5.6000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6565	0.6565	5.0000e-005	0.0000	0.6577
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7100e-003	1.3300e-003	0.0150	4.0000e-005	4.3600e-003	4.0000e-005	4.3900e-003	1.1600e-003	3.0000e-005	1.1900e-003	0.0000	3.9310	3.9310	1.2000e-004	0.0000	3.9338
Total	**1.7800e-003**	**3.7100e-003**	**0.0156**	**5.0000e-005**	**4.5600e-003**	**5.0000e-005**	**4.6000e-003**	**1.2100e-003**	**4.0000e-005**	**1.2500e-003**	**0.0000**	**4.5875**	**4.5875**	**1.7000e-004**	**0.0000**	**4.5915**

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0500e-003	0.0000	1.0500e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0345	0.2684	0.3791	6.0000e-004		0.0144	0.0144		0.0140	0.0140	0.0000	51.7954	51.7954	8.9200e-003	0.0000	52.0183
Total	**0.0345**	**0.2684**	**0.3791**	**6.0000e-004**	**1.0500e-003**	**0.0144**	**0.0154**	**1.6000e-004**	**0.0140**	**0.0141**	**0.0000**	**51.7954**	**51.7954**	**8.9200e-003**	**0.0000**	**52.0183**

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.1300e-003	2.8000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.3305	0.3305	2.0000e-005	0.0000	0.3311
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2000e-004	6.1000e-004	7.0600e-003	2.0000e-005	2.2200e-003	2.0000e-005	2.2400e-003	5.9000e-004	2.0000e-005	6.1000e-004	0.0000	1.9322	1.9322	5.0000e-005	0.0000	1.9335
Total	**8.6000e-004**	**1.7400e-003**	**7.3400e-003**	**2.0000e-005**	**2.4100e-003**	**2.0000e-005**	**2.4300e-003**	**6.4000e-004**	**2.0000e-005**	**6.6000e-004**	**0.0000**	**2.2626**	**2.2626**	**7.0000e-005**	**0.0000**	**2.2645**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7000e-004	0.0000	4.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0345	0.2684	0.3791	6.0000e-004		0.0144	0.0144		0.0140	0.0140	0.0000	51.7953	51.7953	8.9200e-003	0.0000	52.0183
Total	**0.0345**	**0.2684**	**0.3791**	**6.0000e-004**	**4.7000e-004**	**0.0144**	**0.0149**	**7.0000e-005**	**0.0140**	**0.0141**	**0.0000**	**51.7953**	**51.7953**	**8.9200e-003**	**0.0000**	**52.0183**

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.1300e-003	2.8000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.3305	0.3305	2.0000e-005	0.0000	0.3311
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2000e-004	6.1000e-004	7.0600e-003	2.0000e-005	2.2200e-003	2.0000e-005	2.2400e-003	5.9000e-004	2.0000e-005	6.1000e-004	0.0000	1.9322	1.9322	5.0000e-005	0.0000	1.9335
Total	**8.6000e-004**	**1.7400e-003**	**7.3400e-003**	**2.0000e-005**	**2.4100e-003**	**2.0000e-005**	**2.4300e-003**	**6.4000e-004**	**2.0000e-005**	**6.6000e-004**	**0.0000**	**2.2626**	**2.2626**	**7.0000e-005**	**0.0000**	**2.2645**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1100e-003	0.0000	2.1100e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0791	0.7724	0.9035	1.3100e-003		0.0444	0.0444		0.0409	0.0409	0.0000	114.3757	114.3757	0.0365	0.0000	115.2889
Total	**0.0791**	**0.7724**	**0.9035**	**1.3100e-003**	**2.1100e-003**	**0.0444**	**0.0465**	**3.2000e-004**	**0.0409**	**0.0412**	**0.0000**	**114.3757**	**114.3757**	**0.0365**	**0.0000**	**115.2889**

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0107	0.3417	0.0849	1.0200e-003	0.0229	9.6000e-004	0.0238	6.2800e-003	9.2000e-004	7.1900e-003	0.0000	100.1798	100.1798	6.9300e-003	0.0000	100.3530
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-003	2.1000e-003	0.0242	7.0000e-005	7.5900e-003	6.0000e-005	7.6500e-003	2.0200e-003	6.0000e-005	2.0700e-003	0.0000	6.6123	6.6123	1.8000e-004	0.0000	6.6169
Total	**0.0135**	**0.3438**	**0.1090**	**1.0900e-003**	**0.0305**	**1.0200e-003**	**0.0315**	**8.3000e-003**	**9.8000e-004**	**9.2600e-003**	**0.0000**	**106.7920**	**106.7920**	**7.1100e-003**	**0.0000**	**106.9698**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.5000e-004	0.0000	9.5000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0791	0.7724	0.9035	1.3100e-003		0.0444	0.0444		0.0409	0.0409	0.0000	114.3756	114.3756	0.0365	0.0000	115.2888
Total	**0.0791**	**0.7724**	**0.9035**	**1.3100e-003**	**9.5000e-004**	**0.0444**	**0.0453**	**1.4000e-004**	**0.0409**	**0.0410**	**0.0000**	**114.3756**	**114.3756**	**0.0365**	**0.0000**	**115.2888**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0107	0.3417	0.0849	1.0200e-003	0.0229	9.6000e-004	0.0238	6.2800e-003	9.2000e-004	7.1900e-003	0.0000	100.1798	100.1798	6.9300e-003	0.0000	100.3530
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-003	2.1000e-003	0.0242	7.0000e-005	7.5900e-003	6.0000e-005	7.6500e-003	2.0200e-003	6.0000e-005	2.0700e-003	0.0000	6.6123	6.6123	1.8000e-004	0.0000	6.6169
Total	**0.0135**	**0.3438**	**0.1090**	**1.0900e-003**	**0.0305**	**1.0200e-003**	**0.0315**	**8.3000e-003**	**9.8000e-004**	**9.2600e-003**	**0.0000**	**106.7920**	**106.7920**	**7.1100e-003**	**0.0000**	**106.9698**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3296	3.1461	2.5824	6.1600e-003		0.1467	0.1467		0.1381	0.1381	0.0000	538.5954	538.5954	0.1419	0.0000	542.1423
Total	**0.3296**	**3.1461**	**2.5824**	**6.1600e-003**		**0.1467**	**0.1467**		**0.1381**	**0.1381**	**0.0000**	**538.5954**	**538.5954**	**0.1419**	**0.0000**	**542.1423**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5100e-003	0.1772	0.0479	4.8000e-004	0.0119	3.3000e-004	0.0122	3.4400e-003	3.2000e-004	3.7500e-003	0.0000	46.1787	46.1787	2.7600e-003	0.0000	46.2476
Worker	0.0195	0.0146	0.1683	5.1000e-004	0.0529	4.2000e-004	0.0534	0.0141	3.9000e-004	0.0145	0.0000	46.0857	46.0857	1.2700e-003	0.0000	46.1174
Total	**0.0250**	**0.1918**	**0.2161**	**9.9000e-004**	**0.0648**	**7.5000e-004**	**0.0656**	**0.0175**	**7.1000e-004**	**0.0182**	**0.0000**	**92.2643**	**92.2643**	**4.0300e-003**	**0.0000**	**92.3650**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3296	3.1461	2.5824	6.1600e-003		0.1467	0.1467		0.1381	0.1381	0.0000	538.5948	538.5948	0.1419	0.0000	542.1417
Total	**0.3296**	**3.1461**	**2.5824**	**6.1600e-003**		**0.1467**	**0.1467**		**0.1381**	**0.1381**	**0.0000**	**538.5948**	**538.5948**	**0.1419**	**0.0000**	**542.1417**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5100e-003	0.1772	0.0479	4.8000e-004	0.0119	3.3000e-004	0.0122	3.4400e-003	3.2000e-004	3.7500e-003	0.0000	46.1787	46.1787	2.7600e-003	0.0000	46.2476
Worker	0.0195	0.0146	0.1683	5.1000e-004	0.0529	4.2000e-004	0.0534	0.0141	3.9000e-004	0.0145	0.0000	46.0857	46.0857	1.2700e-003	0.0000	46.1174
Total	**0.0250**	**0.1918**	**0.2161**	**9.9000e-004**	**0.0648**	**7.5000e-004**	**0.0656**	**0.0175**	**7.1000e-004**	**0.0182**	**0.0000**	**92.2643**	**92.2643**	**4.0300e-003**	**0.0000**	**92.3650**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4594	4.2699	3.7967	9.1600e-003		0.1935	0.1935		0.1821	0.1821	0.0000	800.7333	800.7333	0.2100	0.0000	805.9827
Total	**0.4594**	**4.2699**	**3.7967**	**9.1600e-003**		**0.1935**	**0.1935**		**0.1821**	**0.1821**	**0.0000**	**800.7333**	**800.7333**	**0.2100**	**0.0000**	**805.9827**

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0800e-003	0.1989	0.0638	6.8000e-004	0.0177	2.3000e-004	0.0179	5.1100e-003	2.2000e-004	5.3300e-003	0.0000	66.4604	66.4604	3.6200e-003	0.0000	66.5510
Worker	0.0272	0.0196	0.2299	7.3000e-004	0.0786	6.1000e-004	0.0792	0.0209	5.6000e-004	0.0215	0.0000	65.9646	65.9646	1.7000e-003	0.0000	66.0071
Total	**0.0333**	**0.2186**	**0.2937**	**1.4100e-003**	**0.0963**	**8.4000e-004**	**0.0972**	**0.0260**	**7.8000e-004**	**0.0268**	**0.0000**	**132.4251**	**132.4251**	**5.3200e-003**	**0.0000**	**132.5580**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4594	4.2699	3.7967	9.1600e-003		0.1935	0.1935		0.1821	0.1821	0.0000	800.7324	800.7324	0.2100	0.0000	805.9818
Total	**0.4594**	**4.2699**	**3.7967**	**9.1600e-003**		**0.1935**	**0.1935**		**0.1821**	**0.1821**	**0.0000**	**800.7324**	**800.7324**	**0.2100**	**0.0000**	**805.9818**

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0800e-003	0.1989	0.0638	6.8000e-004	0.0177	2.3000e-004	0.0179	5.1100e-003	2.2000e-004	5.3300e-003	0.0000	66.4604	66.4604	3.6200e-003	0.0000	66.5510
Worker	0.0272	0.0196	0.2299	7.3000e-004	0.0786	6.1000e-004	0.0792	0.0209	5.6000e-004	0.0215	0.0000	65.9646	65.9646	1.7000e-003	0.0000	66.0071
Total	**0.0333**	**0.2186**	**0.2937**	**1.4100e-003**	**0.0963**	**8.4000e-004**	**0.0972**	**0.0260**	**7.8000e-004**	**0.0268**	**0.0000**	**132.4251**	**132.4251**	**5.3200e-003**	**0.0000**	**132.5580**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1465	1.3314	1.2669	3.0900e-003		0.0583	0.0583		0.0548	0.0548	0.0000	269.6548	269.6548	0.0705	0.0000	271.4174
Total	**0.1465**	**1.3314**	**1.2669**	**3.0900e-003**		**0.0583**	**0.0583**		**0.0548**	**0.0548**	**0.0000**	**269.6548**	**269.6548**	**0.0705**	**0.0000**	**271.4174**

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-003	0.0667	0.0208	2.3000e-004	5.9500e-003	8.0000e-005	6.0300e-003	1.7200e-003	7.0000e-005	1.7900e-003	0.0000	22.2774	22.2774	1.2000e-003	0.0000	22.3074
Worker	8.6800e-003	6.0300e-003	0.0721	2.4000e-004	0.0265	2.0000e-004	0.0267	7.0300e-003	1.9000e-004	7.2200e-003	0.0000	21.5113	21.5113	5.2000e-004	0.0000	21.5244
Total	**0.0107**	**0.0727**	**0.0929**	**4.7000e-004**	**0.0324**	**2.8000e-004**	**0.0327**	**8.7500e-003**	**2.6000e-004**	**9.0100e-003**	**0.0000**	**43.7887**	**43.7887**	**1.7200e-003**	**0.0000**	**43.8318**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1465	1.3314	1.2669	3.0900e-003		0.0583	0.0583		0.0548	0.0548	0.0000	269.6545	269.6545	0.0705	0.0000	271.4170
Total	**0.1465**	**1.3314**	**1.2669**	**3.0900e-003**		**0.0583**	**0.0583**		**0.0548**	**0.0548**	**0.0000**	**269.6545**	**269.6545**	**0.0705**	**0.0000**	**271.4170**

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-003	0.0667	0.0208	2.3000e-004	5.9500e-003	8.0000e-005	6.0300e-003	1.7200e-003	7.0000e-005	1.7900e-003	0.0000	22.2774	22.2774	1.2000e-003	0.0000	22.3074
Worker	8.6800e-003	6.0300e-003	0.0721	2.4000e-004	0.0265	2.0000e-004	0.0267	7.0300e-003	1.9000e-004	7.2200e-003	0.0000	21.5113	21.5113	5.2000e-004	0.0000	21.5244
Total	**0.0107**	**0.0727**	**0.0929**	**4.7000e-004**	**0.0324**	**2.8000e-004**	**0.0327**	**8.7500e-003**	**2.6000e-004**	**9.0100e-003**	**0.0000**	**43.7887**	**43.7887**	**1.7200e-003**	**0.0000**	**43.8318**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3116	1.5018	4.6201	0.0193	1.7614	0.0146	1.7760	0.4721	0.0136	0.4856	0.0000	1,786.6936	1,786.6936	0.0814	0.0000	1,788.7293
Unmitigated	0.3116	1.5018	4.6201	0.0193	1.7614	0.0146	1.7760	0.4721	0.0136	0.4856	0.0000	1,786.6936	1,786.6936	0.0814	0.0000	1,788.7293

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	1,388.94	470.88	192.88	4,641,998	4,641,998
Total	1,388.94	470.88	192.88	4,641,998	4,641,998

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	253.2352	253.2352	8.3900e-003	1.7400e-003	253.9624
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	253.2352	253.2352	8.3900e-003	1.7400e-003	253.9624
NaturalGas Mitigated	6.0400e-003	0.0549	0.0461	3.3000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	59.8012	59.8012	1.1500e-003	1.1000e-003	60.1565
NaturalGas Unmitigated	6.0400e-003	0.0549	0.0461	3.3000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	59.8012	59.8012	1.1500e-003	1.1000e-003	60.1565

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	1.12063e+006	6.0400e-003	0.0549	0.0461	3.3000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	59.8012	59.8012	1.1500e-003	1.1000e-003	60.1565
Total		**6.0400e-003**	**0.0549**	**0.0461**	**3.3000e-004**		**4.1700e-003**	**4.1700e-003**		**4.1700e-003**	**4.1700e-003**	**0.0000**	**59.8012**	**59.8012**	**1.1500e-003**	**1.1000e-003**	**60.1565**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	1.12063e+006	6.0400e-003	0.0549	0.0461	3.3000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	59.8012	59.8012	1.1500e-003	1.1000e-003	60.1565
Total		**6.0400e-003**	**0.0549**	**0.0461**	**3.3000e-004**		**4.1700e-003**	**4.1700e-003**		**4.1700e-003**	**4.1700e-003**	**0.0000**	**59.8012**	**59.8012**	**1.1500e-003**	**1.1000e-003**	**60.1565**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	637898	253.2352	8.3900e-003	1.7400e-003	253.9624
Total		**253.2352**	**8.3900e-003**	**1.7400e-003**	**253.9624**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	637898	253.2352	8.3900e-003	1.7400e-003	253.9624
Total		**253.2352**	**8.3900e-003**	**1.7400e-003**	**253.9624**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4397	1.0000e-005	1.3700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003
Unmitigated	0.4397	1.0000e-005	1.3700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0502					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3894					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003
Total	**0.4397**	**1.0000e-005**	**1.3700e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.6700e-003**	**2.6700e-003**	**1.0000e-005**	**0.0000**	**2.8500e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0502					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3894					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003
Total	**0.4397**	**1.0000e-005**	**1.3700e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.6700e-003**	**2.6700e-003**	**1.0000e-005**	**0.0000**	**2.8500e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	60.4742	0.1191	3.1700e-003	64.3961
Unmitigated	60.4742	0.1191	3.1700e-003	64.3961

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	3.59374 / 9.24104	60.4742	0.1191	3.1700e-003	64.3961
Total		**60.4742**	**0.1191**	**3.1700e-003**	**64.3961**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	3.59374 / 9.24104	60.4742	0.1191	3.1700e-003	64.3961
Total		**60.4742**	**0.1191**	**3.1700e-003**	**64.3961**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	28.5608	1.6879	0.0000	70.7582
Unmitigated	28.5608	1.6879	0.0000	70.7582

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	140.7	28.5608	1.6879	0.0000	70.7582
Total		**28.5608**	**1.6879**	**0.0000**	**70.7582**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	140.7	28.5608	1.6879	0.0000	70.7582
Total		**28.5608**	**1.6879**	**0.0000**	**70.7582**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kennedy HS Comprehensive Modernization Project Construction Phase 1

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	107.75	1000sqft	2.47	107,753.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes remodel and new construction sqft

Construction Phase - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Trips and VMT - Site Preparation total haul trips based on applicant provided information.

Demolition - Per applicant provided information

Grading - Per applicant provided information

Vehicle Trips - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Road Dust - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Woodstoves - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Consumer Products - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Area Coating - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Landscape Equipment - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Energy Use - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Water And Wastewater - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Solid Waste - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - User Defined - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps EF - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers EF - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	53877	54114
tblAreaCoating	Area_Nonresidential_Interior	161630	162342
tblConstructionPhase	NumDays	220.00	627.00
tblConstructionPhase	NumDays	20.00	80.00
tblConstructionPhase	NumDays	3.00	77.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	MaterialExported	0.00	37,240.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	7.00	14.00
tblOffRoadEquipment	UsageHours	6.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	7.00	14.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2
tblTripsAndVMT	HaulingTripNumber	29.00	26.00
tblTripsAndVMT	HaulingTripNumber	4,655.00	2,660.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.8458	22.2154	28.8140	0.0462	0.2532	1.2548	1.5080	0.0583	1.2187	1.2770	0.0000	4,426.9351	4,426.9351	0.7436	0.0000	4,445.5241
2022	5.7748	60.4651	54.9489	0.1310	1.4894	2.5829	4.0723	0.3968	2.4092	2.8059	0.0000	13,012.1805	13,012.1805	2.7783	0.0000	13,081.6385
2023	3.1567	28.7429	26.3026	0.0681	0.6294	1.2456	1.8750	0.1695	1.1724	1.3419	0.0000	6,619.9952	6,619.9952	1.5212	0.0000	6,658.0262
2024	2.9911	26.7173	25.9780	0.0679	0.6294	1.1151	1.7445	0.1695	1.0487	1.2183	0.0000	6,606.6991	6,606.6991	1.5164	0.0000	6,644.6098
Maximum	**5.7748**	**60.4651**	**54.9489**	**0.1310**	**1.4894**	**2.5829**	**4.0723**	**0.3968**	**2.4092**	**2.8059**	**0.0000**	**13,012.1805**	**13,012.1805**	**2.7783**	**0.0000**	**13,081.6385**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.8458	22.2154	28.8140	0.0462	0.2105	1.2548	1.4653	0.0519	1.2187	1.2706	0.0000	4,426.9351	4,426.9351	0.7436	0.0000	4,445.5241
2022	5.7748	60.4651	54.9489	0.1310	1.4593	2.5829	4.0422	0.3922	2.4092	2.8014	0.0000	13,012.1805	13,012.1805	2.7783	0.0000	13,081.6385
2023	3.1567	28.7429	26.3026	0.0681	0.6294	1.2456	1.8750	0.1695	1.1724	1.3419	0.0000	6,619.9952	6,619.9952	1.5212	0.0000	6,658.0262
2024	2.9911	26.7173	25.9780	0.0679	0.6294	1.1151	1.7445	0.1695	1.0487	1.2183	0.0000	6,606.6991	6,606.6991	1.5164	0.0000	6,644.6098
Maximum	**5.7748**	**60.4651**	**54.9489**	**0.1310**	**1.4593**	**2.5829**	**4.0422**	**0.3922**	**2.4092**	**2.8014**	**0.0000**	**13,012.1805**	**13,012.1805**	**2.7783**	**0.0000**	**13,081.6385**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**2.42**	**0.00**	**0.79**	**1.39**	**0.00**	**0.17**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4094	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251
Energy	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491
Mobile	2.3010	10.0899	33.9672	0.1404	12.6109	0.1025	12.7133	3.3741	0.0952	3.4693		14,314.3061	14,314.3061	0.6357		14,330.1984
Total	**4.7435**	**10.3910**	**34.2310**	**0.1422**	**12.6109**	**0.1254**	**12.7363**	**3.3741**	**0.1181**	**3.4923**		**14,675.5323**	**14,675.5323**	**0.6427**	**6.6200e-003**	**14,693.5726**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4094	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251
Energy	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491
Mobile	2.3010	10.0899	33.9672	0.1404	12.6109	0.1025	12.7133	3.3741	0.0952	3.4693		14,314.3061	14,314.3061	0.6357		14,330.1984
Total	**4.7435**	**10.3910**	**34.2310**	**0.1422**	**12.6109**	**0.1254**	**12.7363**	**3.3741**	**0.1181**	**3.4923**		**14,675.5323**	**14,675.5323**	**0.6427**	**6.6200e-003**	**14,693.5726**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2021	2/1/2022	6	80	
2	Site Preparation	Site Preparation	2/1/2022	5/1/2022	6	77	
3	Building Construction	Building Construction	5/1/2022	5/1/2024	6	627	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	2	14.00	78	0.48
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	14.00	85	0.78
Demolition	Excavators	1	14.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	14.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Excavators	1	14.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Plate Compactors	1	14.00	8	0.43
Site Preparation	Rollers	2	14.00	80	0.38
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Skid Steer Loaders	1	14.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Trenchers	1	14.00	78	0.50
Building Construction	Air Compressors	2	14.00	78	0.48
Building Construction	Bore/Drill Rigs	1	14.00	221	0.50
Building Construction	Cranes	2	14.00	231	0.29
Building Construction	Forklifts	1	14.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	26.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	2,660.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	46.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0776	0.0000	0.0776	0.0118	0.0000	0.0118			0.0000			0.0000
Off-Road	2.7787	22.0841	28.1894	0.0442		1.2532	1.2532		1.2172	1.2172		4,228.6102	4,228.6102	0.7367		4,247.0266
Total	**2.7787**	**22.0841**	**28.1894**	**0.0442**	**0.0776**	**1.2532**	**1.3308**	**0.0118**	**1.2172**	**1.2290**		**4,228.6102**	**4,228.6102**	**0.7367**		**4,247.0266**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7100e-003	0.0872	0.0204	2.5000e-004	7.8700e-003	2.7000e-004	8.1400e-003	2.1000e-003	2.6000e-004	2.3500e-003		27.5095	27.5095	1.8700e-003		27.5562
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.0670**	**0.1314**	**0.6246**	**1.9600e-003**	**0.1755**	**1.6200e-003**	**0.1772**	**0.0466**	**1.5100e-003**	**0.0481**		**198.3250**	**198.3250**	**6.9000e-003**		**198.4975**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0349	0.0000	0.0349	5.2900e-003	0.0000	5.2900e-003			0.0000			0.0000
Off-Road	2.7787	22.0841	28.1894	0.0442		1.2532	1.2532		1.2172	1.2172	0.0000	4,228.6102	4,228.6102	0.7367		4,247.0266
Total	**2.7787**	**22.0841**	**28.1894**	**0.0442**	**0.0349**	**1.2532**	**1.2881**	**5.2900e-003**	**1.2172**	**1.2225**	**0.0000**	**4,228.6102**	**4,228.6102**	**0.7367**		**4,247.0266**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7100e-003	0.0872	0.0204	2.5000e-004	7.8700e-003	2.7000e-004	8.1400e-003	2.1000e-003	2.6000e-004	2.3500e-003		27.5095	27.5095	1.8700e-003		27.5562
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.0670**	**0.1314**	**0.6246**	**1.9600e-003**	**0.1755**	**1.6200e-003**	**0.1772**	**0.0466**	**1.5100e-003**	**0.0481**		**198.3250**	**198.3250**	**6.9000e-003**		**198.4975**

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0776	0.0000	0.0776	0.0118	0.0000	0.0118			0.0000			0.0000
Off-Road	2.5578	19.8838	28.0835	0.0443		1.0649	1.0649		1.0355	1.0355		4,229.2315	4,229.2315	0.7281		4,247.4351
Total	**2.5578**	**19.8838**	**28.0835**	**0.0443**	**0.0776**	**1.0649**	**1.1426**	**0.0118**	**1.0355**	**1.0472**		**4,229.2315**	**4,229.2315**	**0.7281**		**4,247.4351**

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5800e-003	0.0810	0.0202	2.5000e-004	0.0141	2.3000e-004	0.0144	3.6300e-003	2.2000e-004	3.8500e-003		27.1841	27.1841	1.8400e-003		27.2301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.0628**	**0.1209**	**0.5776**	**1.9000e-003**	**0.1818**	**1.5400e-003**	**0.1833**	**0.0481**	**1.4300e-003**	**0.0495**		**191.9910**	**191.9910**	**6.3900e-003**		**192.1507**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0349	0.0000	0.0349	5.2900e-003	0.0000	5.2900e-003			0.0000			0.0000
Off-Road	2.5578	19.8838	28.0835	0.0443		1.0649	1.0649		1.0355	1.0355	0.0000	4,229.2315	4,229.2315	0.7281		4,247.4351
Total	**2.5578**	**19.8838**	**28.0835**	**0.0443**	**0.0349**	**1.0649**	**1.0999**	**5.2900e-003**	**1.0355**	**1.0407**	**0.0000**	**4,229.2315**	**4,229.2315**	**0.7281**		**4,247.4351**

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5800e-003	0.0810	0.0202	2.5000e-004	0.0141	2.3000e-004	0.0144	3.6300e-003	2.2000e-004	3.8500e-003		27.1841	27.1841	1.8400e-003		27.2301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.0628**	**0.1209**	**0.5776**	**1.9000e-003**	**0.1818**	**1.5400e-003**	**0.1833**	**0.0481**	**1.4300e-003**	**0.0495**		**191.9910**	**191.9910**	**6.3900e-003**		**192.1507**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0547	0.0000	0.0547	8.2800e-003	0.0000	8.2800e-003			0.0000			0.0000
Off-Road	2.0532	20.0620	23.4682	0.0340		1.1527	1.1527		1.0619	1.0619		3,274.7434	3,274.7434	1.0459		3,300.8901
Total	**2.0532**	**20.0620**	**23.4682**	**0.0340**	**0.0547**	**1.1527**	**1.2074**	**8.2800e-003**	**1.0619**	**1.0702**		**3,274.7434**	**3,274.7434**	**1.0459**		**3,300.8901**

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2741	8.6083	2.1507	0.0266	0.6041	0.0247	0.6288	0.1656	0.0236	0.1892		2,889.5026	2,889.5026	0.1955		2,894.3892
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	**0.3464**	**8.6562**	**2.8196**	**0.0286**	**0.8053**	**0.0263**	**0.8316**	**0.2190**	**0.0251**	**0.2440**		**3,087.2708**	**3,087.2708**	**0.2009**		**3,092.2939**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0246	0.0000	0.0246	3.7300e-003	0.0000	3.7300e-003			0.0000			0.0000
Off-Road	2.0532	20.0620	23.4682	0.0340		1.1527	1.1527		1.0619	1.0619	0.0000	3,274.7434	3,274.7434	1.0459		3,300.8901
Total	**2.0532**	**20.0620**	**23.4682**	**0.0340**	**0.0246**	**1.1527**	**1.1774**	**3.7300e-003**	**1.0619**	**1.0656**	**0.0000**	**3,274.7434**	**3,274.7434**	**1.0459**		**3,300.8901**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2741	8.6083	2.1507	0.0266	0.6041	0.0247	0.6288	0.1656	0.0236	0.1892		2,889.5026	2,889.5026	0.1955		2,894.3892
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	**0.3464**	**8.6562**	**2.8196**	**0.0286**	**0.8053**	**0.0263**	**0.8316**	**0.2190**	**0.0251**	**0.2440**		**3,087.2708**	**3,087.2708**	**0.2009**		**3,092.2939**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1392	29.9626	24.5941	0.0587		1.3967	1.3967		1.3155	1.3155		5,654.2840	5,654.2840	1.4894		5,691.5199
Total	**3.1392**	**29.9626**	**24.5941**	**0.0587**		**1.3967**	**1.3967**		**1.3155**	**1.3155**		**5,654.2840**	**5,654.2840**	**1.4894**		**5,691.5199**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0514	1.6619	0.4323	4.5800e-003	0.1152	3.1200e-003	0.1184	0.0332	2.9900e-003	0.0362		490.4746	490.4746	0.0282		491.1783
Worker	0.1847	0.1224	1.7094	5.0700e-003	0.5142	4.0200e-003	0.5182	0.1364	3.7100e-003	0.1401		505.4077	505.4077	0.0140		505.7564
Total	**0.2361**	**1.7844**	**2.1416**	**9.6500e-003**	**0.6294**	**7.1400e-003**	**0.6366**	**0.1695**	**6.7000e-003**	**0.1762**		**995.8823**	**995.8823**	**0.0421**		**996.9347**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1392	29.9626	24.5941	0.0587		1.3967	1.3967		1.3155	1.3155	0.0000	5,654.2840	5,654.2840	1.4894		5,691.5199
Total	**3.1392**	**29.9626**	**24.5941**	**0.0587**		**1.3967**	**1.3967**		**1.3155**	**1.3155**	**0.0000**	**5,654.2840**	**5,654.2840**	**1.4894**		**5,691.5199**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0514	1.6619	0.4323	4.5800e-003	0.1152	3.1200e-003	0.1184	0.0332	2.9900e-003	0.0362		490.4746	490.4746	0.0282		491.1783
Worker	0.1847	0.1224	1.7094	5.0700e-003	0.5142	4.0200e-003	0.5182	0.1364	3.7100e-003	0.1401		505.4077	505.4077	0.0140		505.7564
Total	**0.2361**	**1.7844**	**2.1416**	**9.6500e-003**	**0.6294**	**7.1400e-003**	**0.6366**	**0.1695**	**6.7000e-003**	**0.1762**		**995.8823**	**995.8823**	**0.0421**		**996.9347**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9452	27.3711	24.3381	0.0588		1.2402	1.2402		1.1674	1.1674		5,658.0601	5,658.0601	1.4837		5,695.1532
Total	**2.9452**	**27.3711**	**24.3381**	**0.0588**		**1.2402**	**1.2402**		**1.1674**	**1.1674**		**5,658.0601**	**5,658.0601**	**1.4837**		**5,695.1532**

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0381	1.2610	0.3904	4.4300e-003	0.1152	1.4600e-003	0.1167	0.0332	1.3900e-003	0.0346		475.0334	475.0334	0.0249		475.6569
Worker	0.1735	0.1108	1.5742	4.8900e-003	0.5142	3.9100e-003	0.5181	0.1364	3.6000e-003	0.1400		486.9017	486.9017	0.0126		487.2162
Total	**0.2116**	**1.3718**	**1.9646**	**9.3200e-003**	**0.6294**	**5.3700e-003**	**0.6348**	**0.1695**	**4.9900e-003**	**0.1745**		**961.9351**	**961.9351**	**0.0375**		**962.8731**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9452	27.3711	24.3381	0.0588		1.2402	1.2402		1.1674	1.1674	0.0000	5,658.0601	5,658.0601	1.4837		5,695.1532
Total	**2.9452**	**27.3711**	**24.3381**	**0.0588**		**1.2402**	**1.2402**		**1.1674**	**1.1674**	**0.0000**	**5,658.0601**	**5,658.0601**	**1.4837**		**5,695.1532**

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0381	1.2610	0.3904	4.4300e-003	0.1152	1.4600e-003	0.1167	0.0332	1.3900e-003	0.0346		475.0334	475.0334	0.0249		475.6569
Worker	0.1735	0.1108	1.5742	4.8900e-003	0.5142	3.9100e-003	0.5181	0.1364	3.6000e-003	0.1400		486.9017	486.9017	0.0126		487.2162
Total	**0.2116**	**1.3718**	**1.9646**	**9.3200e-003**	**0.6294**	**5.3700e-003**	**0.6348**	**0.1695**	**4.9900e-003**	**0.1745**		**961.9351**	**961.9351**	**0.0375**		**962.8731**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7898	25.3601	24.1320	0.0588		1.1098	1.1098		1.0438	1.0438		5,661.7815	5,661.7815	1.4803		5,698.7891
Total	**2.7898**	**25.3601**	**24.1320**	**0.0588**		**1.1098**	**1.1098**		**1.0438**	**1.0438**		**5,661.7815**	**5,661.7815**	**1.4803**		**5,698.7891**

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.2562	0.3785	4.4100e-003	0.1153	1.4400e-003	0.1167	0.0332	1.3700e-003	0.0346		473.1056	473.1056	0.0246		473.7203
Worker	0.1641	0.1010	1.4675	4.7300e-003	0.5142	3.8500e-003	0.5180	0.1364	3.5500e-003	0.1399		471.8120	471.8120	0.0115		472.1005
Total	**0.2013**	**1.3572**	**1.8460**	**9.1400e-003**	**0.6294**	**5.2900e-003**	**0.6347**	**0.1695**	**4.9200e-003**	**0.1745**		**944.9176**	**944.9176**	**0.0361**		**945.8207**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7898	25.3601	24.1320	0.0588		1.1098	1.1098		1.0438	1.0438	0.0000	5,661.7815	5,661.7815	1.4803		5,698.7891
Total	**2.7898**	**25.3601**	**24.1320**	**0.0588**		**1.1098**	**1.1098**		**1.0438**	**1.0438**	**0.0000**	**5,661.7815**	**5,661.7815**	**1.4803**		**5,698.7891**

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.2562	0.3785	4.4100e-003	0.1153	1.4400e-003	0.1167	0.0332	1.3700e-003	0.0346		473.1056	473.1056	0.0246		473.7203
Worker	0.1641	0.1010	1.4675	4.7300e-003	0.5142	3.8500e-003	0.5180	0.1364	3.5500e-003	0.1399		471.8120	471.8120	0.0115		472.1005
Total	**0.2013**	**1.3572**	**1.8460**	**9.1400e-003**	**0.6294**	**5.2900e-003**	**0.6347**	**0.1695**	**4.9200e-003**	**0.1745**		**944.9176**	**944.9176**	**0.0361**		**945.8207**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3010	10.0899	33.9672	0.1404	12.6109	0.1025	12.7133	3.3741	0.0952	3.4693		14,314.3061	14,314.3061	0.6357		14,330.1984
Unmitigated	2.3010	10.0899	33.9672	0.1404	12.6109	0.1025	12.7133	3.3741	0.0952	3.4693		14,314.3061	14,314.3061	0.6357		14,330.1984

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	1,388.94	470.88	192.88	4,641,998	4,641,998
Total	1,388.94	470.88	192.88	4,641,998	4,641,998

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491
NaturalGas Unmitigated	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	3070.22	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491
Total		**0.0331**	**0.3010**	**0.2528**	**1.8100e-003**		**0.0229**	**0.0229**		**0.0229**	**0.0229**		**361.2026**	**361.2026**	**6.9200e-003**	**6.6200e-003**	**363.3491**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	3.07022	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491
Total		**0.0331**	**0.3010**	**0.2528**	**1.8100e-003**		**0.0229**	**0.0229**		**0.0229**	**0.0229**		**361.2026**	**361.2026**	**6.9200e-003**	**6.6200e-003**	**363.3491**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4094	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251
Unmitigated	2.4094	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251
Total	**2.4094**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0251**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251
Total	**2.4094**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0251**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kennedy HS Comprehensive Modernization Project Construction Phase 1

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	107.75	1000sqft	2.47	107,753.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes remodel and new construction sqft

Construction Phase - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Trips and VMT - Site Preparation total haul trips based on applicant provided information.

Demolition - Per applicant provided information

Grading - Per applicant provided information

Vehicle Trips - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Road Dust - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Woodstoves - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Consumer Products - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Area Coating - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Landscape Equipment - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Energy Use - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Water And Wastewater - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Solid Waste - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - User Defined - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps EF - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers EF - This CalEEMod run is only Phase 1 of construction, no operation analysis is considered herein.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	53877	54114
tblAreaCoating	Area_Nonresidential_Interior	161630	162342
tblConstructionPhase	NumDays	220.00	627.00
tblConstructionPhase	NumDays	20.00	80.00
tblConstructionPhase	NumDays	3.00	77.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	MaterialExported	0.00	37,240.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	7.00	14.00
tblOffRoadEquipment	UsageHours	6.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	7.00	14.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2
tblTripsAndVMT	HaulingTripNumber	29.00	26.00
tblTripsAndVMT	HaulingTripNumber	4,655.00	2,660.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.8530	22.2212	28.7634	0.0461	0.2532	1.2548	1.5080	0.0583	1.2187	1.2770	0.0000	4,416.4808	4,416.4808	0.7433	0.0000	4,435.0639
2022	5.8137	60.5770	54.9682	0.1300	1.4894	2.5834	4.0728	0.3968	2.4096	2.8064	0.0000	12,907.1016	12,907.1016	2.7856	0.0000	12,976.7426
2023	3.1793	28.7489	26.1973	0.0677	0.6294	1.2456	1.8750	0.1695	1.1725	1.3420	0.0000	6,578.6859	6,578.6859	1.5219	0.0000	6,616.7336
2024	3.0131	26.7226	25.8793	0.0676	0.6294	1.1152	1.7446	0.1695	1.0488	1.2183	0.0000	6,566.3933	6,566.3933	1.5171	0.0000	6,604.3208
Maximum	**5.8137**	**60.5770**	**54.9682**	**0.1300**	**1.4894**	**2.5834**	**4.0728**	**0.3968**	**2.4096**	**2.8064**	**0.0000**	**12,907.1016**	**12,907.1016**	**2.7856**	**0.0000**	**12,976.7426**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.8530	22.2212	28.7634	0.0461	0.2105	1.2548	1.4653	0.0519	1.2187	1.2706	0.0000	4,416.4808	4,416.4808	0.7433	0.0000	4,435.0638
2022	5.8137	60.5770	54.9682	0.1300	1.4593	2.5834	4.0427	0.3922	2.4096	2.8019	0.0000	12,907.1016	12,907.1016	2.7856	0.0000	12,976.7426
2023	3.1793	28.7489	26.1973	0.0677	0.6294	1.2456	1.8750	0.1695	1.1725	1.3420	0.0000	6,578.6859	6,578.6859	1.5219	0.0000	6,616.7336
2024	3.0131	26.7226	25.8793	0.0676	0.6294	1.1152	1.7446	0.1695	1.0488	1.2183	0.0000	6,566.3933	6,566.3933	1.5171	0.0000	6,604.3208
Maximum	**5.8137**	**60.5770**	**54.9682**	**0.1300**	**1.4593**	**2.5834**	**4.0427**	**0.3922**	**2.4096**	**2.8019**	**0.0000**	**12,907.1016**	**12,907.1016**	**2.7856**	**0.0000**	**12,976.7426**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**2.42**	**0.00**	**0.79**	**1.39**	**0.00**	**0.17**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4094	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251
Energy	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491
Mobile	2.2310	10.3630	31.8886	0.1337	12.6109	0.1028	12.7136	3.3741	0.0955	3.4696		13,646.0347	13,646.0347	0.6317		13,661.8264
Total	**4.6735**	**10.6641**	**32.1524**	**0.1355**	**12.6109**	**0.1257**	**12.7366**	**3.3741**	**0.1184**	**3.4926**		**14,007.2609**	**14,007.2609**	**0.6387**	**6.6200e-003**	**14,025.2006**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4094	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251
Energy	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491
Mobile	2.2310	10.3630	31.8886	0.1337	12.6109	0.1028	12.7136	3.3741	0.0955	3.4696		13,646.0347	13,646.0347	0.6317		13,661.8264
Total	**4.6735**	**10.6641**	**32.1524**	**0.1355**	**12.6109**	**0.1257**	**12.7366**	**3.3741**	**0.1184**	**3.4926**		**14,007.2609**	**14,007.2609**	**0.6387**	**6.6200e-003**	**14,025.2006**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2021	2/1/2022	6	80	
2	Site Preparation	Site Preparation	2/1/2022	5/1/2022	6	77	
3	Building Construction	Building Construction	5/1/2022	5/1/2024	6	627	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	2	14.00	78	0.48
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	14.00	85	0.78
Demolition	Excavators	1	14.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	14.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Excavators	1	14.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Plate Compactors	1	14.00	8	0.43
Site Preparation	Rollers	2	14.00	80	0.38
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Skid Steer Loaders	1	14.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Trenchers	1	14.00	78	0.50
Building Construction	Air Compressors	2	14.00	78	0.48
Building Construction	Bore/Drill Rigs	1	14.00	221	0.50
Building Construction	Cranes	2	14.00	231	0.29
Building Construction	Forklifts	1	14.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	26.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	2,660.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	46.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0776	0.0000	0.0776	0.0118	0.0000	0.0118			0.0000			0.0000
Off-Road	2.7787	22.0841	28.1894	0.0442		1.2532	1.2532		1.2172	1.2172		4,228.6102	4,228.6102	0.7367		4,247.0266
Total	**2.7787**	**22.0841**	**28.1894**	**0.0442**	**0.0776**	**1.2532**	**1.3308**	**0.0118**	**1.2172**	**1.2290**		**4,228.6102**	**4,228.6102**	**0.7367**		**4,247.0266**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7800e-003	0.0883	0.0217	2.5000e-004	7.8700e-003	2.7000e-004	8.1400e-003	2.1000e-003	2.6000e-004	2.3500e-003		27.0330	27.0330	1.9300e-003		27.0813
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.0743**	**0.1372**	**0.5741**	**1.8600e-003**	**0.1755**	**1.6200e-003**	**0.1772**	**0.0466**	**1.5100e-003**	**0.0481**		**187.8706**	**187.8706**	**6.6600e-003**		**188.0373**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0349	0.0000	0.0349	5.2900e-003	0.0000	5.2900e-003			0.0000			0.0000
Off-Road	2.7787	22.0841	28.1894	0.0442		1.2532	1.2532		1.2172	1.2172	0.0000	4,228.6102	4,228.6102	0.7367		4,247.0266
Total	**2.7787**	**22.0841**	**28.1894**	**0.0442**	**0.0349**	**1.2532**	**1.2881**	**5.2900e-003**	**1.2172**	**1.2225**	**0.0000**	**4,228.6102**	**4,228.6102**	**0.7367**		**4,247.0266**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7800e-003	0.0883	0.0217	2.5000e-004	7.8700e-003	2.7000e-004	8.1400e-003	2.1000e-003	2.6000e-004	2.3500e-003		27.0330	27.0330	1.9300e-003		27.0813
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.0743**	**0.1372**	**0.5741**	**1.8600e-003**	**0.1755**	**1.6200e-003**	**0.1772**	**0.0466**	**1.5100e-003**	**0.0481**		**187.8706**	**187.8706**	**6.6600e-003**		**188.0373**

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0776	0.0000	0.0776	0.0118	0.0000	0.0118			0.0000			0.0000
Off-Road	2.5578	19.8838	28.0835	0.0443		1.0649	1.0649		1.0355	1.0355		4,229.2315	4,229.2315	0.7281		4,247.4351
Total	**2.5578**	**19.8838**	**28.0835**	**0.0443**	**0.0776**	**1.0649**	**1.1426**	**0.0118**	**1.0355**	**1.0472**		**4,229.2315**	**4,229.2315**	**0.7281**		**4,247.4351**

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6400e-003	0.0819	0.0214	2.5000e-004	0.0141	2.4000e-004	0.0144	3.6300e-003	2.3000e-004	3.8500e-003		26.7090	26.7090	1.9000e-003		26.7566
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.0698**	**0.1261**	**0.5302**	**1.8100e-003**	**0.1818**	**1.5500e-003**	**0.1833**	**0.0481**	**1.4400e-003**	**0.0495**		**181.8945**	**181.8945**	**6.1700e-003**		**182.0488**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0349	0.0000	0.0349	5.2900e-003	0.0000	5.2900e-003			0.0000			0.0000
Off-Road	2.5578	19.8838	28.0835	0.0443		1.0649	1.0649		1.0355	1.0355	0.0000	4,229.2315	4,229.2315	0.7281		4,247.4351
Total	**2.5578**	**19.8838**	**28.0835**	**0.0443**	**0.0349**	**1.0649**	**1.0999**	**5.2900e-003**	**1.0355**	**1.0407**	**0.0000**	**4,229.2315**	**4,229.2315**	**0.7281**		**4,247.4351**

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6400e-003	0.0819	0.0214	2.5000e-004	0.0141	2.4000e-004	0.0144	3.6300e-003	2.3000e-004	3.8500e-003		26.7090	26.7090	1.9000e-003		26.7566
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.0698**	**0.1261**	**0.5302**	**1.8100e-003**	**0.1818**	**1.5500e-003**	**0.1833**	**0.0481**	**1.4400e-003**	**0.0495**		**181.8945**	**181.8945**	**6.1700e-003**		**182.0488**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0547	0.0000	0.0547	8.2800e-003	0.0000	8.2800e-003			0.0000			0.0000
Off-Road	2.0532	20.0620	23.4682	0.0340		1.1527	1.1527		1.0619	1.0619		3,274.7434	3,274.7434	1.0459		3,300.8901
Total	**2.0532**	**20.0620**	**23.4682**	**0.0340**	**0.0547**	**1.1527**	**1.2074**	**8.2800e-003**	**1.0619**	**1.0702**		**3,274.7434**	**3,274.7434**	**1.0459**		**3,300.8901**

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2807	8.7066	2.2758	0.0261	0.6041	0.0251	0.6292	0.1656	0.0240	0.1896		2,839.0033	2,839.0033	0.2021		2,844.0565
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	**0.3613**	**8.7596**	**2.8863**	**0.0280**	**0.8053**	**0.0267**	**0.8319**	**0.2190**	**0.0255**	**0.2444**		**3,025.2258**	**3,025.2258**	**0.2073**		**3,030.4072**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0246	0.0000	0.0246	3.7300e-003	0.0000	3.7300e-003			0.0000			0.0000
Off-Road	2.0532	20.0620	23.4682	0.0340		1.1527	1.1527		1.0619	1.0619	0.0000	3,274.7434	3,274.7434	1.0459		3,300.8901
Total	**2.0532**	**20.0620**	**23.4682**	**0.0340**	**0.0246**	**1.1527**	**1.1774**	**3.7300e-003**	**1.0619**	**1.0656**	**0.0000**	**3,274.7434**	**3,274.7434**	**1.0459**		**3,300.8901**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2807	8.7066	2.2758	0.0261	0.6041	0.0251	0.6292	0.1656	0.0240	0.1896		2,839.0033	2,839.0033	0.2021		2,844.0565
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	**0.3613**	**8.7596**	**2.8863**	**0.0280**	**0.8053**	**0.0267**	**0.8319**	**0.2190**	**0.0255**	**0.2444**		**3,025.2258**	**3,025.2258**	**0.2073**		**3,030.4072**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1392	29.9626	24.5941	0.0587		1.3967	1.3967		1.3155	1.3155		5,654.2840	5,654.2840	1.4894		5,691.5199
Total	**3.1392**	**29.9626**	**24.5941**	**0.0587**		**1.3967**	**1.3967**		**1.3155**	**1.3155**		**5,654.2840**	**5,654.2840**	**1.4894**		**5,691.5199**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0539	1.6574	0.4784	4.4600e-003	0.1152	3.2300e-003	0.1185	0.0332	3.0900e-003	0.0363		476.9465	476.9465	0.0300		477.6959
Worker	0.2060	0.1355	1.5602	4.7800e-003	0.5142	4.0200e-003	0.5182	0.1364	3.7100e-003	0.1401		475.9020	475.9020	0.0131		476.2296
Total	**0.2599**	**1.7929**	**2.0386**	**9.2400e-003**	**0.6294**	**7.2500e-003**	**0.6367**	**0.1695**	**6.8000e-003**	**0.1763**		**952.8485**	**952.8485**	**0.0431**		**953.9254**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1392	29.9626	24.5941	0.0587		1.3967	1.3967		1.3155	1.3155	0.0000	5,654.2840	5,654.2840	1.4894		5,691.5199
Total	**3.1392**	**29.9626**	**24.5941**	**0.0587**		**1.3967**	**1.3967**		**1.3155**	**1.3155**	**0.0000**	**5,654.2840**	**5,654.2840**	**1.4894**		**5,691.5199**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0539	1.6574	0.4784	4.4600e-003	0.1152	3.2300e-003	0.1185	0.0332	3.0900e-003	0.0363		476.9465	476.9465	0.0300		477.6959
Worker	0.2060	0.1355	1.5602	4.7800e-003	0.5142	4.0200e-003	0.5182	0.1364	3.7100e-003	0.1401		475.9020	475.9020	0.0131		476.2296
Total	**0.2599**	**1.7929**	**2.0386**	**9.2400e-003**	**0.6294**	**7.2500e-003**	**0.6367**	**0.1695**	**6.8000e-003**	**0.1763**		**952.8485**	**952.8485**	**0.0431**		**953.9254**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9452	27.3711	24.3381	0.0588		1.2402	1.2402		1.1674	1.1674		5,658.0601	5,658.0601	1.4837		5,695.1532
Total	**2.9452**	**27.3711**	**24.3381**	**0.0588**		**1.2402**	**1.2402**		**1.1674**	**1.1674**		**5,658.0601**	**5,658.0601**	**1.4837**		**5,695.1532**

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0401	1.2553	0.4251	4.3200e-003	0.1152	1.5300e-003	0.1168	0.0332	1.4600e-003	0.0347		462.1344	462.1344	0.0264		462.7941
Worker	0.1941	0.1225	1.4341	4.6000e-003	0.5142	3.9100e-003	0.5181	0.1364	3.6000e-003	0.1400		458.4915	458.4915	0.0118		458.7864
Total	**0.2341**	**1.3778**	**1.8592**	**8.9200e-003**	**0.6294**	**5.4400e-003**	**0.6349**	**0.1695**	**5.0600e-003**	**0.1746**		**920.6258**	**920.6258**	**0.0382**		**921.5805**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9452	27.3711	24.3381	0.0588		1.2402	1.2402		1.1674	1.1674	0.0000	5,658.0601	5,658.0601	1.4837		5,695.1532
Total	**2.9452**	**27.3711**	**24.3381**	**0.0588**		**1.2402**	**1.2402**		**1.1674**	**1.1674**	**0.0000**	**5,658.0601**	**5,658.0601**	**1.4837**		**5,695.1532**

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0401	1.2553	0.4251	4.3200e-003	0.1152	1.5300e-003	0.1168	0.0332	1.4600e-003	0.0347		462.1344	462.1344	0.0264		462.7941
Worker	0.1941	0.1225	1.4341	4.6000e-003	0.5142	3.9100e-003	0.5181	0.1364	3.6000e-003	0.1400		458.4915	458.4915	0.0118		458.7864
Total	**0.2341**	**1.3778**	**1.8592**	**8.9200e-003**	**0.6294**	**5.4400e-003**	**0.6349**	**0.1695**	**5.0600e-003**	**0.1746**		**920.6258**	**920.6258**	**0.0382**		**921.5805**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7898	25.3601	24.1320	0.0588		1.1098	1.1098		1.0438	1.0438		5,661.7815	5,661.7815	1.4803		5,698.7891
Total	**2.7898**	**25.3601**	**24.1320**	**0.0588**		**1.1098**	**1.1098**		**1.0438**	**1.0438**		**5,661.7815**	**5,661.7815**	**1.4803**		**5,698.7891**

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0391	1.2508	0.4122	4.3000e-003	0.1153	1.5100e-003	0.1168	0.0332	1.4400e-003	0.0346		460.3420	460.3420	0.0260		460.9917
Worker	0.1842	0.1117	1.3351	4.4600e-003	0.5142	3.8500e-003	0.5180	0.1364	3.5500e-003	0.1399		444.2697	444.2697	0.0108		444.5400
Total	**0.2232**	**1.3625**	**1.7473**	**8.7600e-003**	**0.6294**	**5.3600e-003**	**0.6348**	**0.1695**	**4.9900e-003**	**0.1745**		**904.6118**	**904.6118**	**0.0368**		**905.5317**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7898	25.3601	24.1320	0.0588		1.1098	1.1098		1.0438	1.0438	0.0000	5,661.7815	5,661.7815	1.4803		5,698.7891
Total	**2.7898**	**25.3601**	**24.1320**	**0.0588**		**1.1098**	**1.1098**		**1.0438**	**1.0438**	**0.0000**	**5,661.7815**	**5,661.7815**	**1.4803**		**5,698.7891**

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0391	1.2508	0.4122	4.3000e-003	0.1153	1.5100e-003	0.1168	0.0332	1.4400e-003	0.0346		460.3420	460.3420	0.0260		460.9917
Worker	0.1842	0.1117	1.3351	4.4600e-003	0.5142	3.8500e-003	0.5180	0.1364	3.5500e-003	0.1399		444.2697	444.2697	0.0108		444.5400
Total	**0.2232**	**1.3625**	**1.7473**	**8.7600e-003**	**0.6294**	**5.3600e-003**	**0.6348**	**0.1695**	**4.9900e-003**	**0.1745**		**904.6118**	**904.6118**	**0.0368**		**905.5317**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2310	10.3630	31.8886	0.1337	12.6109	0.1028	12.7136	3.3741	0.0955	3.4696		13,646.0347	13,646.0347	0.6317		13,661.8264
Unmitigated	2.2310	10.3630	31.8886	0.1337	12.6109	0.1028	12.7136	3.3741	0.0955	3.4696		13,646.0347	13,646.0347	0.6317		13,661.8264

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	1,388.94	470.88	192.88	4,641,998	4,641,998
Total	1,388.94	470.88	192.88	4,641,998	4,641,998

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491
NaturalGas Unmitigated	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	3070.22	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491
Total		**0.0331**	**0.3010**	**0.2528**	**1.8100e-003**		**0.0229**	**0.0229**		**0.0229**	**0.0229**		**361.2026**	**361.2026**	**6.9200e-003**	**6.6200e-003**	**363.3491**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	3.07022	0.0331	0.3010	0.2528	1.8100e-003		0.0229	0.0229		0.0229	0.0229		361.2026	361.2026	6.9200e-003	6.6200e-003	363.3491
Total		**0.0331**	**0.3010**	**0.2528**	**1.8100e-003**		**0.0229**	**0.0229**		**0.0229**	**0.0229**		**361.2026**	**361.2026**	**6.9200e-003**	**6.6200e-003**	**363.3491**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4094	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251
Unmitigated	2.4094	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251
Total	**2.4094**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0251**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0251
Total	**2.4094**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0251**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kennedy HS Comprehensive Modernization Project Construction Phase 2

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	62.50	1000sqft	1.43	62,501.00	0
Parking Lot	341.28	1000sqft	7.83	341,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes remodel and parking lot paving

Construction Phase - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Trips and VMT - Default values rounded up to even tip rate number. Site Preparation total haul trips based on applicant provided information.

Demolition - Per applicant provided information

Grading - Per applicant provided information

Vehicle Trips - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Road Dust - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Woodstoves - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Consumer Products - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Area Coating - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Landscape Equipment - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Energy Use - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Water And Wastewater - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Solid Waste - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - User Defined - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps EF - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers EF - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Table Name	Column Name	Default Value	New Value
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tblConstructionPhase	NumDays	20.00	79.00
tblConstructionPhase	NumDays	10.00	80.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	MaterialExported	0.00	19,355.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Site Preparation

tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	UsageHours	7.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
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tblOffRoadEquipment	UsageHours	8.00	14.00
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tblOffRoadEquipment	UsageHours	8.00	14.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2
tblTripsAndVMT	HaulingTripNumber	2,419.00	1,384.00
tblTripsAndVMT	VendorTripNumber	65.00	66.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	165.00	166.00
tblTripsAndVMT	WorkerTripNumber	10.00	14.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2604	2.2500	2.8380	6.0200e-003	0.0944	0.0983	0.1927	0.0243	0.0928	0.1171	0.0000	536.5066	536.5066	0.1014	0.0000	539.0412
2025	0.5235	4.4545	4.6922	0.0142	0.3498	0.1579	0.5077	0.0944	0.1483	0.2427	0.0000	1,268.4942	1,268.4942	0.2279	0.0000	1,274.1924
2026	0.3452	2.9175	3.2460	9.0600e-003	0.2106	0.1058	0.3163	0.0568	0.0991	0.1559	0.0000	810.5598	810.5598	0.1555	0.0000	814.4475
Maximum	**0.5235**	**4.4545**	**4.6922**	**0.0142**	**0.3498**	**0.1579**	**0.5077**	**0.0944**	**0.1483**	**0.2427**	**0.0000**	**1,268.4942**	**1,268.4942**	**0.2279**	**0.0000**	**1,274.1924**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2604	2.2500	2.8380	6.0200e-003	0.0891	0.0983	0.1874	0.0235	0.0928	0.1163	0.0000	536.5061	536.5061	0.1014	0.0000	539.0407
2025	0.5235	4.4545	4.6922	0.0142	0.3498	0.1579	0.5077	0.0944	0.1483	0.2427	0.0000	1,268.4933	1,268.4933	0.2279	0.0000	1,274.1914
2026	0.3452	2.9175	3.2460	9.0600e-003	0.2106	0.1058	0.3163	0.0568	0.0991	0.1559	0.0000	810.5591	810.5591	0.1555	0.0000	814.4469
Maximum	**0.5235**	**4.4545**	**4.6922**	**0.0142**	**0.3498**	**0.1579**	**0.5077**	**0.0944**	**0.1483**	**0.2427**	**0.0000**	**1,268.4933**	**1,268.4933**	**0.2279**	**0.0000**	**1,274.1914**

Kennedy HS Comprehensive Modernization Project Construction Phase 2 - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.80**	**0.00**	**0.52**	**0.45**	**0.00**	**0.16**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**5-1-2024**	**7-31-2024**	0.7712	0.7712
2	**8-1-2024**	**10-31-2024**	0.8385	0.8385
3	**11-1-2024**	**1-31-2025**	1.3190	1.3190
4	**2-1-2025**	**4-30-2025**	1.2116	1.2116
5	**5-1-2025**	**7-31-2025**	1.2501	1.2501
6	**8-1-2025**	**10-31-2025**	1.2513	1.2513
7	**11-1-2025**	**1-31-2026**	1.2524	1.2524
8	**2-1-2026**	**4-30-2026**	1.2078	1.2078
9	**5-1-2026**	**7-31-2026**	1.2462	1.2462
10	**8-1-2026**	**9-30-2026**	0.2528	0.2528
		Highest	1.3190	1.3190

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2774	5.0000e-005	5.1400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0100	0.0100	3.0000e-005	0.0000	0.0107
Energy	3.5000e-003	0.0319	0.0268	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	228.9924	228.9924	7.1000e-003	1.9700e-003	229.7565
Mobile	0.1652	0.8234	2.4174	0.0107	1.0216	7.7400e-003	1.0293	0.2738	7.1900e-003	0.2809	0.0000	987.3828	987.3828	0.0429	0.0000	988.4560
Waste						0.0000	0.0000		0.0000	0.0000	13.8034	0.0000	13.8034	0.8158	0.0000	34.1973
Water						0.0000	0.0000		0.0000	0.0000	0.5511	28.6775	29.2285	0.0576	1.5300e-003	31.1241
Total	**0.4460**	**0.8553**	**2.4493**	**0.0108**	**1.0216**	**0.0102**	**1.0318**	**0.2738**	**9.6300e-003**	**0.2834**	**14.3544**	**1,245.0628**	**1,259.4172**	**0.9234**	**3.5000e-003**	**1,283.5445**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2774	5.0000e-005	5.1400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0100	0.0100	3.0000e-005	0.0000	0.0107
Energy	3.5000e-003	0.0319	0.0268	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	228.9924	228.9924	7.1000e-003	1.9700e-003	229.7565
Mobile	0.1652	0.8234	2.4174	0.0107	1.0216	7.7400e-003	1.0293	0.2738	7.1900e-003	0.2809	0.0000	987.3828	987.3828	0.0429	0.0000	988.4560
Waste						0.0000	0.0000		0.0000	0.0000	13.8034	0.0000	13.8034	0.8158	0.0000	34.1973
Water						0.0000	0.0000		0.0000	0.0000	0.5511	28.6775	29.2285	0.0576	1.5300e-003	31.1241
Total	**0.4460**	**0.8553**	**2.4493**	**0.0108**	**1.0216**	**0.0102**	**1.0318**	**0.2738**	**9.6300e-003**	**0.2834**	**14.3544**	**1,245.0628**	**1,259.4172**	**0.9234**	**3.5000e-003**	**1,283.5445**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2024	8/1/2024	6	80	
2	Site Preparation	Site Preparation	8/1/2024	11/1/2024	6	80	
3	Building Construction	Building Construction	11/1/2024	8/1/2026	6	548	
4	Paving	Paving	8/1/2026	10/31/2026	6	79	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.83

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	2	14.00	78	0.48
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	14.00	85	0.78
Demolition	Excavators	1	14.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	14.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Excavators	1	14.00	158	0.38
Site Preparation	Plate Compactors	1	14.00	8	0.43
Site Preparation	Rollers	2	14.00	80	0.38
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Trenchers	1	14.00	78	0.50
Building Construction	Air Compressors	2	14.00	78	0.48
Building Construction	Bore/Drill Rigs	1	14.00	221	0.50
Building Construction	Cranes	2	14.00	231	0.29
Building Construction	Forklifts	1	14.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	1	14.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	14.00	80	0.38
Paving	Skid Steer Loaders	2	14.00	65	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	90.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	16.00	0.00	1,384.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	166.00	66.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.4800e-003	0.0000	8.4800e-003	1.2800e-003	0.0000	1.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0906	0.6805	1.1225	1.7700e-003		0.0319	0.0319		0.0310	0.0310	0.0000	153.5284	153.5284	0.0257	0.0000	154.1696
Total	**0.0906**	**0.6805**	**1.1225**	**1.7700e-003**	**8.4800e-003**	**0.0319**	**0.0404**	**1.2800e-003**	**0.0310**	**0.0323**	**0.0000**	**153.5284**	**153.5284**	**0.0257**	**0.0000**	**154.1696**

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.4000e-004	7.5300e-003	2.6300e-003	3.0000e-005	7.7000e-004	1.0000e-005	7.9000e-004	2.1000e-004	1.0000e-005	2.3000e-004	0.0000	3.2338	3.2338	2.2000e-004	0.0000	3.2392
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-003	1.6000e-003	0.0191	6.0000e-005	7.0100e-003	5.0000e-005	7.0700e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.7007	5.7007	1.4000e-004	0.0000	5.7042
Total	**2.5400e-003**	**9.1300e-003**	**0.0217**	**9.0000e-005**	**7.7800e-003**	**6.0000e-005**	**7.8600e-003**	**2.0700e-003**	**6.0000e-005**	**2.1400e-003**	**0.0000**	**8.9345**	**8.9345**	**3.6000e-004**	**0.0000**	**8.9434**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.8100e-003	0.0000	3.8100e-003	5.8000e-004	0.0000	5.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0906	0.6805	1.1225	1.7700e-003		0.0319	0.0319		0.0310	0.0310	0.0000	153.5282	153.5282	0.0257	0.0000	154.1695
Total	**0.0906**	**0.6805**	**1.1225**	**1.7700e-003**	**3.8100e-003**	**0.0319**	**0.0357**	**5.8000e-004**	**0.0310**	**0.0316**	**0.0000**	**153.5282**	**153.5282**	**0.0257**	**0.0000**	**154.1695**

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.4000e-004	7.5300e-003	2.6300e-003	3.0000e-005	7.7000e-004	1.0000e-005	7.9000e-004	2.1000e-004	1.0000e-005	2.3000e-004	0.0000	3.2338	3.2338	2.2000e-004	0.0000	3.2392
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-003	1.6000e-003	0.0191	6.0000e-005	7.0100e-003	5.0000e-005	7.0700e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.7007	5.7007	1.4000e-004	0.0000	5.7042
Total	**2.5400e-003**	**9.1300e-003**	**0.0217**	**9.0000e-005**	**7.7800e-003**	**6.0000e-005**	**7.8600e-003**	**2.0700e-003**	**6.0000e-005**	**2.1400e-003**	**0.0000**	**8.9345**	**8.9345**	**3.6000e-004**	**0.0000**	**8.9434**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0900e-003	0.0000	1.0900e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0697	0.6517	0.8402	1.2200e-003		0.0368	0.0368		0.0339	0.0339	0.0000	106.1746	106.1746	0.0339	0.0000	107.0210
Total	**0.0697**	**0.6517**	**0.8402**	**1.2200e-003**	**1.0900e-003**	**0.0368**	**0.0379**	**1.7000e-004**	**0.0339**	**0.0341**	**0.0000**	**106.1746**	**106.1746**	**0.0339**	**0.0000**	**107.0210**

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6500e-003	0.1159	0.0405	5.0000e-004	0.0119	2.1000e-004	0.0121	3.2700e-003	2.0000e-004	3.4600e-003	0.0000	49.7281	49.7281	3.3500e-003	0.0000	49.8117
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-003	1.6000e-003	0.0191	6.0000e-005	7.0100e-003	5.0000e-005	7.0700e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.7007	5.7007	1.4000e-004	0.0000	5.7042
Total	**5.9500e-003**	**0.1175**	**0.0596**	**5.6000e-004**	**0.0189**	**2.6000e-004**	**0.0192**	**5.1300e-003**	**2.5000e-004**	**5.3700e-003**	**0.0000**	**55.4288**	**55.4288**	**3.4900e-003**	**0.0000**	**55.5159**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.9000e-004	0.0000	4.9000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0697	0.6517	0.8402	1.2200e-003		0.0368	0.0368		0.0339	0.0339	0.0000	106.1744	106.1744	0.0339	0.0000	107.0209
Total	**0.0697**	**0.6517**	**0.8402**	**1.2200e-003**	**4.9000e-004**	**0.0368**	**0.0373**	**7.0000e-005**	**0.0339**	**0.0340**	**0.0000**	**106.1744**	**106.1744**	**0.0339**	**0.0000**	**107.0209**

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6500e-003	0.1159	0.0405	5.0000e-004	0.0119	2.1000e-004	0.0121	3.2700e-003	2.0000e-004	3.4600e-003	0.0000	49.7281	49.7281	3.3500e-003	0.0000	49.8117
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-003	1.6000e-003	0.0191	6.0000e-005	7.0100e-003	5.0000e-005	7.0700e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.7007	5.7007	1.4000e-004	0.0000	5.7042
Total	**5.9500e-003**	**0.1175**	**0.0596**	**5.6000e-004**	**0.0189**	**2.6000e-004**	**0.0192**	**5.1300e-003**	**2.5000e-004**	**5.3700e-003**	**0.0000**	**55.4288**	**55.4288**	**3.4900e-003**	**0.0000**	**55.5159**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0725	0.6594	0.6274	1.5300e-003		0.0289	0.0289		0.0271	0.0271	0.0000	133.5433	133.5433	0.0349	0.0000	134.4162
Total	**0.0725**	**0.6594**	**0.6274**	**1.5300e-003**		**0.0289**	**0.0289**		**0.0271**	**0.0271**	**0.0000**	**133.5433**	**133.5433**	**0.0349**	**0.0000**	**134.4162**

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6200e-003	0.1211	0.0378	4.2000e-004	0.0108	1.4000e-004	0.0110	3.1200e-003	1.3000e-004	3.2500e-003	0.0000	40.4529	40.4529	2.1800e-003	0.0000	40.5074
Worker	0.0155	0.0108	0.1288	4.3000e-004	0.0473	3.6000e-004	0.0477	0.0126	3.3000e-004	0.0129	0.0000	38.4442	38.4442	9.4000e-004	0.0000	38.4676
Total	**0.0191**	**0.1319**	**0.1666**	**8.5000e-004**	**0.0581**	**5.0000e-004**	**0.0586**	**0.0157**	**4.6000e-004**	**0.0161**	**0.0000**	**78.8971**	**78.8971**	**3.1200e-003**	**0.0000**	**78.9750**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0725	0.6594	0.6274	1.5300e-003		0.0289	0.0289		0.0271	0.0271	0.0000	133.5432	133.5432	0.0349	0.0000	134.4161
Total	**0.0725**	**0.6594**	**0.6274**	**1.5300e-003**		**0.0289**	**0.0289**		**0.0271**	**0.0271**	**0.0000**	**133.5432**	**133.5432**	**0.0349**	**0.0000**	**134.4161**

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6200e-003	0.1211	0.0378	4.2000e-004	0.0108	1.4000e-004	0.0110	3.1200e-003	1.3000e-004	3.2500e-003	0.0000	40.4529	40.4529	2.1800e-003	0.0000	40.5074
Worker	0.0155	0.0108	0.1288	4.3000e-004	0.0473	3.6000e-004	0.0477	0.0126	3.3000e-004	0.0129	0.0000	38.4442	38.4442	9.4000e-004	0.0000	38.4676
Total	**0.0191**	**0.1319**	**0.1666**	**8.5000e-004**	**0.0581**	**5.0000e-004**	**0.0586**	**0.0157**	**4.6000e-004**	**0.0161**	**0.0000**	**78.8971**	**78.8971**	**3.1200e-003**	**0.0000**	**78.9750**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4134	3.6726	3.7513	9.2000e-003		0.1550	0.1550		0.1456	0.1456	0.0000	803.8812	803.8812	0.2099	0.0000	809.1276
Total	**0.4134**	**3.6726**	**3.7513**	**9.2000e-003**		**0.1550**	**0.1550**		**0.1456**	**0.1456**	**0.0000**	**803.8812**	**803.8812**	**0.2099**	**0.0000**	**809.1276**

3.4 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0213	0.7227	0.2215	2.4900e-003	0.0651	8.3000e-004	0.0659	0.0188	7.9000e-004	0.0196	0.0000	242.1686	242.1686	0.0129	0.0000	242.4919
Worker	0.0888	0.0593	0.7194	2.4600e-003	0.2847	2.1300e-003	0.2868	0.0756	1.9600e-003	0.0776	0.0000	222.4445	222.4445	5.1400e-003	0.0000	222.5729
Total	**0.1100**	**0.7820**	**0.9409**	**4.9500e-003**	**0.3498**	**2.9600e-003**	**0.3527**	**0.0944**	**2.7500e-003**	**0.0971**	**0.0000**	**464.6130**	**464.6130**	**0.0181**	**0.0000**	**465.0648**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4134	3.6726	3.7513	9.2000e-003		0.1550	0.1550		0.1456	0.1456	0.0000	803.8803	803.8803	0.2099	0.0000	809.1266
Total	**0.4134**	**3.6726**	**3.7513**	**9.2000e-003**		**0.1550**	**0.1550**		**0.1456**	**0.1456**	**0.0000**	**803.8803**	**803.8803**	**0.2099**	**0.0000**	**809.1266**

3.4 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0213	0.7227	0.2215	2.4900e-003	0.0651	8.3000e-004	0.0659	0.0188	7.9000e-004	0.0196	0.0000	242.1686	242.1686	0.0129	0.0000	242.4919
Worker	0.0888	0.0593	0.7194	2.4600e-003	0.2847	2.1300e-003	0.2868	0.0756	1.9600e-003	0.0776	0.0000	222.4445	222.4445	5.1400e-003	0.0000	222.5729
Total	**0.1100**	**0.7820**	**0.9409**	**4.9500e-003**	**0.3498**	**2.9600e-003**	**0.3527**	**0.0944**	**2.7500e-003**	**0.0971**	**0.0000**	**464.6130**	**464.6130**	**0.0181**	**0.0000**	**465.0648**

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2417	2.1472	2.1932	5.3800e-003		0.0906	0.0906		0.0851	0.0851	0.0000	470.0008	470.0008	0.1227	0.0000	473.0682
Total	**0.2417**	**2.1472**	**2.1932**	**5.3800e-003**		**0.0906**	**0.0906**		**0.0851**	**0.0851**	**0.0000**	**470.0008**	**470.0008**	**0.1227**	**0.0000**	**473.0682**

3.4 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0121	0.4185	0.1269	1.4500e-003	0.0380	4.7000e-004	0.0385	0.0110	4.5000e-004	0.0114	0.0000	140.8428	140.8428	7.4500e-003	0.0000	141.0291
Worker	0.0496	0.0320	0.3930	1.3900e-003	0.1664	1.2000e-003	0.1677	0.0442	1.1100e-003	0.0453	0.0000	125.5381	125.5381	2.7500e-003	0.0000	125.6069
Total	**0.0617**	**0.4505**	**0.5199**	**2.8400e-003**	**0.2045**	**1.6700e-003**	**0.2062**	**0.0552**	**1.5600e-003**	**0.0567**	**0.0000**	**266.3809**	**266.3809**	**0.0102**	**0.0000**	**266.6360**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2417	2.1472	2.1932	5.3800e-003		0.0906	0.0906		0.0851	0.0851	0.0000	470.0003	470.0003	0.1227	0.0000	473.0676
Total	**0.2417**	**2.1472**	**2.1932**	**5.3800e-003**		**0.0906**	**0.0906**		**0.0851**	**0.0851**	**0.0000**	**470.0003**	**470.0003**	**0.1227**	**0.0000**	**473.0676**

3.4 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0121	0.4185	0.1269	1.4500e-003	0.0380	4.7000e-004	0.0385	0.0110	4.5000e-004	0.0114	0.0000	140.8428	140.8428	7.4500e-003	0.0000	141.0291
Worker	0.0496	0.0320	0.3930	1.3900e-003	0.1664	1.2000e-003	0.1677	0.0442	1.1100e-003	0.0453	0.0000	125.5381	125.5381	2.7500e-003	0.0000	125.6069
Total	**0.0617**	**0.4505**	**0.5199**	**2.8400e-003**	**0.2045**	**1.6700e-003**	**0.2062**	**0.0552**	**1.5600e-003**	**0.0567**	**0.0000**	**266.3809**	**266.3809**	**0.0102**	**0.0000**	**266.6360**

3.5 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0297	0.3187	0.5185	7.9000e-004		0.0135	0.0135		0.0124	0.0124	0.0000	69.6075	69.6075	0.0225	0.0000	70.1703
Paving	0.0103					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0399**	**0.3187**	**0.5185**	**7.9000e-004**		**0.0135**	**0.0135**		**0.0124**	**0.0124**	**0.0000**	**69.6075**	**69.6075**	**0.0225**	**0.0000**	**70.1703**

3.5 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8100e-003	1.1600e-003	0.0143	5.0000e-005	6.0600e-003	4.0000e-005	6.1000e-003	1.6100e-003	4.0000e-005	1.6500e-003	0.0000	4.5706	4.5706	1.0000e-004	0.0000	4.5731
Total	**1.8100e-003**	**1.1600e-003**	**0.0143**	**5.0000e-005**	**6.0600e-003**	**4.0000e-005**	**6.1000e-003**	**1.6100e-003**	**4.0000e-005**	**1.6500e-003**	**0.0000**	**4.5706**	**4.5706**	**1.0000e-004**	**0.0000**	**4.5731**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0297	0.3187	0.5185	7.9000e-004		0.0135	0.0135		0.0124	0.0124	0.0000	69.6074	69.6074	0.0225	0.0000	70.1702
Paving	0.0103					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0399**	**0.3187**	**0.5185**	**7.9000e-004**		**0.0135**	**0.0135**		**0.0124**	**0.0124**	**0.0000**	**69.6074**	**69.6074**	**0.0225**	**0.0000**	**70.1702**

3.5 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8100e-003	1.1600e-003	0.0143	5.0000e-005	6.0600e-003	4.0000e-005	6.1000e-003	1.6100e-003	4.0000e-005	1.6500e-003	0.0000	4.5706	4.5706	1.0000e-004	0.0000	4.5731
Total	**1.8100e-003**	**1.1600e-003**	**0.0143**	**5.0000e-005**	**6.0600e-003**	**4.0000e-005**	**6.1000e-003**	**1.6100e-003**	**4.0000e-005**	**1.6500e-003**	**0.0000**	**4.5706**	**4.5706**	**1.0000e-004**	**0.0000**	**4.5731**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1652	0.8234	2.4174	0.0107	1.0216	7.7400e-003	1.0293	0.2738	7.1900e-003	0.2809	0.0000	987.3828	987.3828	0.0429	0.0000	988.4560
Unmitigated	0.1652	0.8234	2.4174	0.0107	1.0216	7.7400e-003	1.0293	0.2738	7.1900e-003	0.2809	0.0000	987.3828	987.3828	0.0429	0.0000	988.4560

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	805.63	273.13	111.88	2,692,499	2,692,499
Parking Lot	0.00	0.00	0.00		
Total	805.63	273.13	111.88	2,692,499	2,692,499

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Parking Lot	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	194.3054	194.3054	6.4400e-003	1.3300e-003	194.8633
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	194.3054	194.3054	6.4400e-003	1.3300e-003	194.8633
NaturalGas Mitigated	3.5000e-003	0.0319	0.0268	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	34.6870	34.6870	6.6000e-004	6.4000e-004	34.8932
NaturalGas Unmitigated	3.5000e-003	0.0319	0.0268	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	34.6870	34.6870	6.6000e-004	6.4000e-004	34.8932

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	650010	3.5000e-003	0.0319	0.0268	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	34.6870	34.6870	6.6000e-004	6.4000e-004	34.8932
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.5000e-003**	**0.0319**	**0.0268**	**1.9000e-004**		**2.4200e-003**	**2.4200e-003**		**2.4200e-003**	**2.4200e-003**	**0.0000**	**34.6870**	**34.6870**	**6.6000e-004**	**6.4000e-004**	**34.8932**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	650010	3.5000e-003	0.0319	0.0268	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	34.6870	34.6870	6.6000e-004	6.4000e-004	34.8932
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.5000e-003**	**0.0319**	**0.0268**	**1.9000e-004**		**2.4200e-003**	**2.4200e-003**		**2.4200e-003**	**2.4200e-003**	**0.0000**	**34.6870**	**34.6870**	**6.6000e-004**	**6.4000e-004**	**34.8932**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	370006	146.8865	4.8700e-003	1.0100e-003	147.3082
Parking Lot	119448	47.4190	1.5700e-003	3.3000e-004	47.5551
Total		**194.3054**	**6.4400e-003**	**1.3400e-003**	**194.8633**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	370006	146.8865	4.8700e-003	1.0100e-003	147.3082
Parking Lot	119448	47.4190	1.5700e-003	3.3000e-004	47.5551
Total		**194.3054**	**6.4400e-003**	**1.3400e-003**	**194.8633**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2774	5.0000e-005	5.1400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0100	0.0100	3.0000e-005	0.0000	0.0107
Unmitigated	0.2774	5.0000e-005	5.1400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0100	0.0100	3.0000e-005	0.0000	0.0107

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0100	0.0100	3.0000e-005	0.0000	0.0107
Total	**0.2774**	**5.0000e-005**	**5.1400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0100**	**0.0100**	**3.0000e-005**	**0.0000**	**0.0107**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0100	0.0100	3.0000e-005	0.0000	0.0107
Total	**0.2774**	**5.0000e-005**	**5.1400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0100**	**0.0100**	**3.0000e-005**	**0.0000**	**0.0107**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	29.2285	0.0576	1.5300e-003	31.1241
Unmitigated	29.2285	0.0576	1.5300e-003	31.1241

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	1.73693 / 4.4664	29.2285	0.0576	1.5300e-003	31.1241
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**29.2285**	**0.0576**	**1.5300e-003**	**31.1241**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	1.73693 / 4.4664	29.2285	0.0576	1.5300e-003	31.1241
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**29.2285**	**0.0576**	**1.5300e-003**	**31.1241**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.8034	0.8158	0.0000	34.1973
Unmitigated	13.8034	0.8158	0.0000	34.1973

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	68	13.8034	0.8158	0.0000	34.1973
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**13.8034**	**0.8158**	**0.0000**	**34.1973**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	68	13.8034	0.8158	0.0000	34.1973
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**13.8034**	**0.8158**	**0.0000**	**34.1973**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kennedy HS Comprehensive Modernization Project Construction Phase 2

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	62.50	1000sqft	1.43	62,501.00	0
Parking Lot	341.28	1000sqft	7.83	341,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes remodel and parking lot paving

Construction Phase - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Trips and VMT - Default values rounded up to even tip rate number. Site Preparation total haul trips based on applicant provided information.

Demolition - Per applicant provided information

Grading - Per applicant provided information

Vehicle Trips - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Road Dust - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Woodstoves - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Consumer Products - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Area Coating - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Landscape Equipment - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Energy Use - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Water And Wastewater - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Solid Waste - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - User Defined - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps EF - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers EF - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Table Name	Column Name	Default Value	New Value
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tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	MaterialExported	0.00	19,355.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Site Preparation

tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	UsageHours	7.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	7.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2
tblTripsAndVMT	HaulingTripNumber	2,419.00	1,384.00
tblTripsAndVMT	VendorTripNumber	65.00	66.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	165.00	166.00
tblTripsAndVMT	WorkerTripNumber	10.00	14.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.4081	49.4829	53.3260	0.1368	2.7868	2.0546	4.8415	0.7483	1.9148	2.6630	0.0000	13,569.5715	13,569.5715	2.6403	0.0000	13,635.5783
2025	3.3369	28.3673	30.2404	0.0913	2.2781	1.0090	3.2871	0.6138	0.9477	1.5615	0.0000	9,023.9696	9,023.9696	1.6050	0.0000	9,064.0942
2026	4.3645	36.3926	43.4085	0.1120	2.4346	1.3504	3.7850	0.6553	1.2618	1.9171	0.0000	11,033.6713	11,033.6713	2.2318	0.0000	11,089.4653
Maximum	**5.4081**	**49.4829**	**53.3260**	**0.1368**	**2.7868**	**2.0546**	**4.8415**	**0.7483**	**1.9148**	**2.6630**	**0.0000**	**13,569.5715**	**13,569.5715**	**2.6403**	**0.0000**	**13,635.5783**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.4081	49.4829	53.3260	0.1368	2.7718	2.0546	4.8264	0.7460	1.9148	2.6607	0.0000	13,569.5715	13,569.5715	2.6403	0.0000	13,635.5783
2025	3.3369	28.3673	30.2404	0.0913	2.2781	1.0090	3.2871	0.6138	0.9477	1.5615	0.0000	9,023.9696	9,023.9696	1.6050	0.0000	9,064.0942
2026	4.3645	36.3926	43.4085	0.1120	2.4346	1.3504	3.7850	0.6553	1.2618	1.9171	0.0000	11,033.6713	11,033.6713	2.2318	0.0000	11,089.4653
Maximum	**5.4081**	**49.4829**	**53.3260**	**0.1368**	**2.7718**	**2.0546**	**4.8264**	**0.7460**	**1.9148**	**2.6607**	**0.0000**	**13,569.5715**	**13,569.5715**	**2.6403**	**0.0000**	**13,635.5783**

Kennedy HS Comprehensive Modernization Project Construction Phase 2 - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.20**	**0.00**	**0.13**	**0.11**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5210	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941
Energy	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568
Mobile	1.2193	5.5491	17.7631	0.0774	7.3141	0.0543	7.3685	1.9568	0.0505	2.0072		7,905.8892	7,905.8892	0.3346		7,914.2537
Total	**2.7595**	**5.7241**	**17.9509**	**0.0785**	**7.3141**	**0.0678**	**7.3819**	**1.9568**	**0.0639**	**2.0206**		**8,115.4894**	**8,115.4894**	**0.3388**	**3.8400e-003**	**8,125.1046**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5210	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941
Energy	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568
Mobile	1.2193	5.5491	17.7631	0.0774	7.3141	0.0543	7.3685	1.9568	0.0505	2.0072		7,905.8892	7,905.8892	0.3346		7,914.2537
Total	**2.7595**	**5.7241**	**17.9509**	**0.0785**	**7.3141**	**0.0678**	**7.3819**	**1.9568**	**0.0639**	**2.0206**		**8,115.4894**	**8,115.4894**	**0.3388**	**3.8400e-003**	**8,125.1046**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2024	8/1/2024	6	80	
2	Site Preparation	Site Preparation	8/1/2024	11/1/2024	6	80	
3	Building Construction	Building Construction	11/1/2024	8/1/2026	6	548	
4	Paving	Paving	8/1/2026	10/31/2026	6	79	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.83

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	2	14.00	78	0.48
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	14.00	85	0.78
Demolition	Excavators	1	14.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	14.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Excavators	1	14.00	158	0.38
Site Preparation	Plate Compactors	1	14.00	8	0.43
Site Preparation	Rollers	2	14.00	80	0.38
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Trenchers	1	14.00	78	0.50
Building Construction	Air Compressors	2	14.00	78	0.48
Building Construction	Bore/Drill Rigs	1	14.00	221	0.50
Building Construction	Cranes	2	14.00	231	0.29
Building Construction	Forklifts	1	14.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	1	14.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	14.00	80	0.38
Paving	Skid Steer Loaders	2	14.00	65	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	90.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	16.00	0.00	1,384.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	166.00	66.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2119	0.0000	0.2119	0.0321	0.0000	0.0321			0.0000			0.0000
Off-Road	2.2648	17.0121	28.0615	0.0443		0.7972	0.7972		0.7745	0.7745		4,230.9008	4,230.9008	0.7069		4,248.5732
Total	**2.2648**	**17.0121**	**28.0615**	**0.0443**	**0.2119**	**0.7972**	**1.0091**	**0.0321**	**0.7745**	**0.8066**		**4,230.9008**	**4,230.9008**	**0.7069**		**4,248.5732**

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.8700e-003	0.1836	0.0646	8.2000e-004	0.0197	3.3000e-004	0.0200	5.3900e-003	3.2000e-004	5.7100e-003		89.7659	89.7659	5.9200e-003		89.9140
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0571	0.0351	0.5104	1.6500e-003	0.1788	1.3400e-003	0.1802	0.0474	1.2300e-003	0.0487		164.1085	164.1085	4.0100e-003		164.2089
Total	**0.0629**	**0.2188**	**0.5751**	**2.4700e-003**	**0.1985**	**1.6700e-003**	**0.2002**	**0.0528**	**1.5500e-003**	**0.0544**		**253.8744**	**253.8744**	**9.9300e-003**		**254.1229**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0954	0.0000	0.0954	0.0144	0.0000	0.0144			0.0000			0.0000
Off-Road	2.2648	17.0121	28.0615	0.0443		0.7972	0.7972		0.7745	0.7745	0.0000	4,230.9008	4,230.9008	0.7069		4,248.5732
Total	**2.2648**	**17.0121**	**28.0615**	**0.0443**	**0.0954**	**0.7972**	**0.8925**	**0.0144**	**0.7745**	**0.7889**	**0.0000**	**4,230.9008**	**4,230.9008**	**0.7069**		**4,248.5732**

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.8700e-003	0.1836	0.0646	8.2000e-004	0.0197	3.3000e-004	0.0200	5.3900e-003	3.2000e-004	5.7100e-003		89.7659	89.7659	5.9200e-003		89.9140
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0571	0.0351	0.5104	1.6500e-003	0.1788	1.3400e-003	0.1802	0.0474	1.2300e-003	0.0487		164.1085	164.1085	4.0100e-003		164.2089
Total	**0.0629**	**0.2188**	**0.5751**	**2.4700e-003**	**0.1985**	**1.6700e-003**	**0.2002**	**0.0528**	**1.5500e-003**	**0.0544**		**253.8744**	**253.8744**	**9.9300e-003**		**254.1229**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0274	0.0000	0.0274	4.1400e-003	0.0000	4.1400e-003			0.0000			0.0000
Off-Road	1.7425	16.2932	21.0060	0.0304		0.9192	0.9192		0.8470	0.8470		2,925.9352	2,925.9352	0.9331		2,949.2616
Total	**1.7425**	**16.2932**	**21.0060**	**0.0304**	**0.0274**	**0.9192**	**0.9466**	**4.1400e-003**	**0.8470**	**0.8512**		**2,925.9352**	**2,925.9352**	**0.9331**		**2,949.2616**

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0903	2.8238	0.9941	0.0127	0.3025	5.1000e-003	0.3077	0.0829	4.8800e-003	0.0878		1,380.3999	1,380.3999	0.0911		1,382.6776
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0571	0.0351	0.5104	1.6500e-003	0.1788	1.3400e-003	0.1802	0.0474	1.2300e-003	0.0487		164.1085	164.1085	4.0100e-003		164.2089
Total	**0.1474**	**2.8590**	**1.5045**	**0.0143**	**0.4814**	**6.4400e-003**	**0.4878**	**0.1304**	**6.1100e-003**	**0.1365**		**1,544.5085**	**1,544.5085**	**0.0951**		**1,546.8864**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0123	0.0000	0.0123	1.8600e-003	0.0000	1.8600e-003			0.0000			0.0000
Off-Road	1.7425	16.2932	21.0060	0.0304		0.9192	0.9192		0.8470	0.8470	0.0000	2,925.9352	2,925.9352	0.9331		2,949.2616
Total	**1.7425**	**16.2932**	**21.0060**	**0.0304**	**0.0123**	**0.9192**	**0.9315**	**1.8600e-003**	**0.8470**	**0.8489**	**0.0000**	**2,925.9352**	**2,925.9352**	**0.9331**		**2,949.2616**

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0903	2.8238	0.9941	0.0127	0.3025	5.1000e-003	0.3077	0.0829	4.8800e-003	0.0878		1,380.3999	1,380.3999	0.0911		1,382.6776
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0571	0.0351	0.5104	1.6500e-003	0.1788	1.3400e-003	0.1802	0.0474	1.2300e-003	0.0487		164.1085	164.1085	4.0100e-003		164.2089
Total	**0.1474**	**2.8590**	**1.5045**	**0.0143**	**0.4814**	**6.4400e-003**	**0.4878**	**0.1304**	**6.1100e-003**	**0.1365**		**1,544.5085**	**1,544.5085**	**0.0951**		**1,546.8864**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7898	25.3601	24.1320	0.0588		1.1098	1.1098		1.0438	1.0438		5,661.7815	5,661.7815	1.4803		5,698.7891
Total	**2.7898**	**25.3601**	**24.1320**	**0.0588**		**1.1098**	**1.1098**		**1.0438**	**1.0438**		**5,661.7815**	**5,661.7815**	**1.4803**		**5,698.7891**

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1363	4.6061	1.3878	0.0162	0.4226	5.2700e-003	0.4279	0.1217	5.0400e-003	0.1267		1,734.7204	1,734.7204	0.0902		1,736.9743
Worker	0.5921	0.3645	5.2958	0.0171	1.8555	0.0139	1.8694	0.4921	0.0128	0.5049		1,702.6259	1,702.6259	0.0416		1,703.6669
Total	**0.7284**	**4.9706**	**6.6836**	**0.0333**	**2.2781**	**0.0192**	**2.2973**	**0.6138**	**0.0178**	**0.6316**		**3,437.3464**	**3,437.3464**	**0.1318**		**3,440.6412**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7898	25.3601	24.1320	0.0588		1.1098	1.1098		1.0438	1.0438	0.0000	5,661.7815	5,661.7815	1.4803		5,698.7891
Total	**2.7898**	**25.3601**	**24.1320**	**0.0588**		**1.1098**	**1.1098**		**1.0438**	**1.0438**	**0.0000**	**5,661.7815**	**5,661.7815**	**1.4803**		**5,698.7891**

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1363	4.6061	1.3878	0.0162	0.4226	5.2700e-003	0.4279	0.1217	5.0400e-003	0.1267		1,734.7204	1,734.7204	0.0902		1,736.9743
Worker	0.5921	0.3645	5.2958	0.0171	1.8555	0.0139	1.8694	0.4921	0.0128	0.5049		1,702.6259	1,702.6259	0.0416		1,703.6669
Total	**0.7284**	**4.9706**	**6.6836**	**0.0333**	**2.2781**	**0.0192**	**2.2973**	**0.6138**	**0.0178**	**0.6316**		**3,437.3464**	**3,437.3464**	**0.1318**		**3,440.6412**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6417	23.4668	23.9697	0.0588		0.9902	0.9902		0.9302	0.9302		5,662.1556	5,662.1556	1.4781		5,699.1084
Total	**2.6417**	**23.4668**	**23.9697**	**0.0588**		**0.9902**	**0.9902**		**0.9302**	**0.9302**		**5,662.1556**	**5,662.1556**	**1.4781**		**5,699.1084**

3.4 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1329	4.5670	1.3522	0.0161	0.4226	5.1900e-003	0.4278	0.1217	4.9600e-003	0.1266		1,725.1620	1,725.1620	0.0889		1,727.3842
Worker	0.5622	0.3335	4.9186	0.0164	1.8555	0.0136	1.8691	0.4921	0.0125	0.5046		1,636.6521	1,636.6521	0.0380		1,637.6017
Total	**0.6951**	**4.9005**	**6.2708**	**0.0325**	**2.2781**	**0.0188**	**2.2969**	**0.6138**	**0.0175**	**0.6313**		**3,361.8141**	**3,361.8141**	**0.1269**		**3,364.9858**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6417	23.4668	23.9697	0.0588		0.9902	0.9902		0.9302	0.9302	0.0000	5,662.1556	5,662.1556	1.4781		5,699.1084
Total	**2.6417**	**23.4668**	**23.9697**	**0.0588**		**0.9902**	**0.9902**		**0.9302**	**0.9302**	**0.0000**	**5,662.1556**	**5,662.1556**	**1.4781**		**5,699.1084**

3.4 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1329	4.5670	1.3522	0.0161	0.4226	5.1900e-003	0.4278	0.1217	4.9600e-003	0.1266		1,725.1620	1,725.1620	0.0889		1,727.3842
Worker	0.5622	0.3335	4.9186	0.0164	1.8555	0.0136	1.8691	0.4921	0.0125	0.5046		1,636.6521	1,636.6521	0.0380		1,637.6017
Total	**0.6951**	**4.9005**	**6.2708**	**0.0325**	**2.2781**	**0.0188**	**2.2969**	**0.6138**	**0.0175**	**0.6313**		**3,361.8141**	**3,361.8141**	**0.1269**		**3,364.9858**

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6417	23.4668	23.9697	0.0588		0.9902	0.9902		0.9302	0.9302		5,662.1556	5,662.1556	1.4781		5,699.1084
Total	**2.6417**	**23.4668**	**23.9697**	**0.0588**		**0.9902**	**0.9902**		**0.9302**	**0.9302**		**5,662.1556**	**5,662.1556**	**1.4781**		**5,699.1084**

3.4 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1299	4.5246	1.3249	0.0160	0.4226	5.0900e-003	0.4277	0.1217	4.8700e-003	0.1265		1,715.9834	1,715.9834	0.0876		1,718.1741
Worker	0.5365	0.3073	4.5994	0.0158	1.8555	0.0132	1.8687	0.4921	0.0121	0.5042		1,579.7882	1,579.7882	0.0348		1,580.6591
Total	**0.6664**	**4.8319**	**5.9243**	**0.0318**	**2.2781**	**0.0183**	**2.2963**	**0.6138**	**0.0170**	**0.6307**		**3,295.7716**	**3,295.7716**	**0.1225**		**3,298.8332**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6417	23.4668	23.9697	0.0588		0.9902	0.9902		0.9302	0.9302	0.0000	5,662.1556	5,662.1556	1.4781		5,699.1084
Total	**2.6417**	**23.4668**	**23.9697**	**0.0588**		**0.9902**	**0.9902**		**0.9302**	**0.9302**	**0.0000**	**5,662.1556**	**5,662.1556**	**1.4781**		**5,699.1084**

3.4 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1299	4.5246	1.3249	0.0160	0.4226	5.0900e-003	0.4277	0.1217	4.8700e-003	0.1265		1,715.9834	1,715.9834	0.0876		1,718.1741
Worker	0.5365	0.3073	4.5994	0.0158	1.8555	0.0132	1.8687	0.4921	0.0121	0.5042		1,579.7882	1,579.7882	0.0348		1,580.6591
Total	**0.6664**	**4.8319**	**5.9243**	**0.0318**	**2.2781**	**0.0183**	**2.2963**	**0.6138**	**0.0170**	**0.6307**		**3,295.7716**	**3,295.7716**	**0.1225**		**3,298.8332**

3.5 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7514	8.0680	13.1266	0.0201		0.3409	0.3409		0.3136	0.3136		1,942.5089	1,942.5089	0.6283		1,958.2151
Paving	0.2597					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0110**	**8.0680**	**13.1266**	**0.0201**		**0.3409**	**0.3409**		**0.3136**	**0.3136**		**1,942.5089**	**1,942.5089**	**0.6283**		**1,958.2151**

3.5 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0453	0.0259	0.3879	1.3400e-003	0.1565	1.1100e-003	0.1576	0.0415	1.0200e-003	0.0425		133.2352	133.2352	2.9400e-003		133.3086
Total	**0.0453**	**0.0259**	**0.3879**	**1.3400e-003**	**0.1565**	**1.1100e-003**	**0.1576**	**0.0415**	**1.0200e-003**	**0.0425**		**133.2352**	**133.2352**	**2.9400e-003**		**133.3086**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7514	8.0680	13.1266	0.0201		0.3409	0.3409		0.3136	0.3136	0.0000	1,942.5089	1,942.5089	0.6283		1,958.2151
Paving	0.2597					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0110**	**8.0680**	**13.1266**	**0.0201**		**0.3409**	**0.3409**		**0.3136**	**0.3136**	**0.0000**	**1,942.5089**	**1,942.5089**	**0.6283**		**1,958.2151**

3.5 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0453	0.0259	0.3879	1.3400e-003	0.1565	1.1100e-003	0.1576	0.0415	1.0200e-003	0.0425		133.2352	133.2352	2.9400e-003		133.3086
Total	**0.0453**	**0.0259**	**0.3879**	**1.3400e-003**	**0.1565**	**1.1100e-003**	**0.1576**	**0.0415**	**1.0200e-003**	**0.0425**		**133.2352**	**133.2352**	**2.9400e-003**		**133.3086**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2193	5.5491	17.7631	0.0774	7.3141	0.0543	7.3685	1.9568	0.0505	2.0072		7,905.8892	7,905.8892	0.3346		7,914.2537
Unmitigated	1.2193	5.5491	17.7631	0.0774	7.3141	0.0543	7.3685	1.9568	0.0505	2.0072		7,905.8892	7,905.8892	0.3346		7,914.2537

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	805.63	273.13	111.88	2,692,499	2,692,499
Parking Lot	0.00	0.00	0.00		
Total	805.63	273.13	111.88	2,692,499	2,692,499

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Parking Lot	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568
NaturalGas Unmitigated	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	1780.85	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0192**	**0.1746**	**0.1467**	**1.0500e-003**		**0.0133**	**0.0133**		**0.0133**	**0.0133**		**209.5118**	**209.5118**	**4.0200e-003**	**3.8400e-003**	**210.7568**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	1.78085	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0192**	**0.1746**	**0.1467**	**1.0500e-003**		**0.0133**	**0.0133**		**0.0133**	**0.0133**		**209.5118**	**209.5118**	**4.0200e-003**	**3.8400e-003**	**210.7568**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5210	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941
Unmitigated	1.5210	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7900e-003	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941
Total	**1.5210**	**3.7000e-004**	**0.0411**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0884**	**0.0884**	**2.3000e-004**		**0.0941**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7900e-003	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941
Total	**1.5210**	**3.7000e-004**	**0.0411**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0884**	**0.0884**	**2.3000e-004**		**0.0941**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kennedy HS Comprehensive Modernization Project Construction Phase 2

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	62.50	1000sqft	1.43	62,501.00	0
Parking Lot	341.28	1000sqft	7.83	341,280.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	875.2	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on LADWP Power Content Label and 2020 Projection

Land Use - Per applicant provided information includes remodel and parking lot paving

Construction Phase - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Off-road Equipment - Per applicant provided information

Trips and VMT - Default values rounded up to even tip rate number. Site Preparation total haul trips based on applicant provided information.

Demolition - Per applicant provided information

Grading - Per applicant provided information

Vehicle Trips - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Vehicle Emission Factors - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Road Dust - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Woodstoves - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Consumer Products - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Area Coating - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Landscape Equipment - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Energy Use - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Water And Wastewater - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Solid Waste - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - User Defined - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Emergency Generators and Fire Pumps EF - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Stationary Sources - Process Boilers EF - This CalEEMod run is only Phase 2 of construction, no operation analysis is considered herein.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	548.00
tblConstructionPhase	NumDays	20.00	80.00
tblConstructionPhase	NumDays	20.00	79.00
tblConstructionPhase	NumDays	10.00	80.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	MaterialExported	0.00	19,355.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Site Preparation

tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	UsageHours	7.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblOffRoadEquipment	UsageHours	7.00	14.00
tblOffRoadEquipment	UsageHours	8.00	14.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	875.2
tblTripsAndVMT	HaulingTripNumber	2,419.00	1,384.00
tblTripsAndVMT	VendorTripNumber	65.00	66.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	165.00	166.00
tblTripsAndVMT	WorkerTripNumber	10.00	14.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.4967	49.5261	52.9670	0.1351	2.7868	2.0550	4.8418	0.7483	1.9151	2.6634	0.0000	13,389.9786	13,389.9786	2.6451	0.0000	13,456.1049
2025	3.4144	28.3830	29.9130	0.0899	2.2781	1.0092	3.2873	0.6138	0.9479	1.5617	0.0000	8,882.1976	8,882.1976	1.6075	0.0000	8,922.3858
2026	4.4464	36.4083	43.0680	0.1106	2.4346	1.3506	3.7852	0.6553	1.2620	1.9172	0.0000	10,887.9629	10,887.9629	2.2341	0.0000	10,943.8163
Maximum	**5.4967**	**49.5261**	**52.9670**	**0.1351**	**2.7868**	**2.0550**	**4.8418**	**0.7483**	**1.9151**	**2.6634**	**0.0000**	**13,389.9786**	**13,389.9786**	**2.6451**	**0.0000**	**13,456.1049**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.4967	49.5261	52.9670	0.1351	2.7718	2.0550	4.8268	0.7460	1.9151	2.6611	0.0000	13,389.9786	13,389.9786	2.6451	0.0000	13,456.1049
2025	3.4144	28.3830	29.9130	0.0899	2.2781	1.0092	3.2873	0.6138	0.9479	1.5617	0.0000	8,882.1976	8,882.1976	1.6075	0.0000	8,922.3858
2026	4.4464	36.4083	43.0680	0.1106	2.4346	1.3506	3.7852	0.6553	1.2620	1.9172	0.0000	10,887.9629	10,887.9629	2.2341	0.0000	10,943.8163
Maximum	**5.4967**	**49.5261**	**52.9670**	**0.1351**	**2.7718**	**2.0550**	**4.8268**	**0.7460**	**1.9151**	**2.6611**	**0.0000**	**13,389.9786**	**13,389.9786**	**2.6451**	**0.0000**	**13,456.1049**

Kennedy HS Comprehensive Modernization Project Construction Phase 2 - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.20**	**0.00**	**0.13**	**0.11**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5210	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941
Energy	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568
Mobile	1.1829	5.6833	16.6929	0.0738	7.3141	0.0545	7.3686	1.9568	0.0506	2.0074		7,542.0492	7,542.0492	0.3333		7,550.3807
Total	**2.7231**	**5.8583**	**16.8807**	**0.0749**	**7.3141**	**0.0679**	**7.3820**	**1.9568**	**0.0640**	**2.0208**		**7,751.6494**	**7,751.6494**	**0.3375**	**3.8400e-003**	**7,761.2316**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5210	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941
Energy	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568
Mobile	1.1829	5.6833	16.6929	0.0738	7.3141	0.0545	7.3686	1.9568	0.0506	2.0074		7,542.0492	7,542.0492	0.3333		7,550.3807
Total	**2.7231**	**5.8583**	**16.8807**	**0.0749**	**7.3141**	**0.0679**	**7.3820**	**1.9568**	**0.0640**	**2.0208**		**7,751.6494**	**7,751.6494**	**0.3375**	**3.8400e-003**	**7,761.2316**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2024	8/1/2024	6	80	
2	Site Preparation	Site Preparation	8/1/2024	11/1/2024	6	80	
3	Building Construction	Building Construction	11/1/2024	8/1/2026	6	548	
4	Paving	Paving	8/1/2026	10/31/2026	6	79	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.83

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Kennedy HS Comprehensive Modernization Project Construction Phase 2 - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	2	14.00	78	0.48
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	14.00	85	0.78
Demolition	Excavators	1	14.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	14.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Excavators	1	14.00	158	0.38
Site Preparation	Plate Compactors	1	14.00	8	0.43
Site Preparation	Rollers	2	14.00	80	0.38
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Site Preparation	Trenchers	1	14.00	78	0.50
Building Construction	Air Compressors	2	14.00	78	0.48
Building Construction	Bore/Drill Rigs	1	14.00	221	0.50
Building Construction	Cranes	2	14.00	231	0.29
Building Construction	Forklifts	1	14.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	14.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	1	14.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	1	14.00	80	0.38
Paving	Skid Steer Loaders	2	14.00	65	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	90.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	16.00	0.00	1,384.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	166.00	66.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2119	0.0000	0.2119	0.0321	0.0000	0.0321			0.0000			0.0000
Off-Road	2.2648	17.0121	28.0615	0.0443		0.7972	0.7972		0.7745	0.7745		4,230.9008	4,230.9008	0.7069		4,248.5732
Total	**2.2648**	**17.0121**	**28.0615**	**0.0443**	**0.2119**	**0.7972**	**1.0091**	**0.0321**	**0.7745**	**0.8066**		**4,230.9008**	**4,230.9008**	**0.7069**		**4,248.5732**

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0100e-003	0.1850	0.0673	8.1000e-004	0.0197	3.4000e-004	0.0200	5.3900e-003	3.3000e-004	5.7200e-003		88.2168	88.2168	6.0900e-003		88.3690
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0641	0.0389	0.4644	1.5500e-003	0.1788	1.3400e-003	0.1802	0.0474	1.2300e-003	0.0487		154.5286	154.5286	3.7600e-003		154.6226
Total	**0.0701**	**0.2238**	**0.5317**	**2.3600e-003**	**0.1985**	**1.6800e-003**	**0.2002**	**0.0528**	**1.5600e-003**	**0.0544**		**242.7454**	**242.7454**	**9.8500e-003**		**242.9916**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0954	0.0000	0.0954	0.0144	0.0000	0.0144			0.0000			0.0000
Off-Road	2.2648	17.0121	28.0615	0.0443		0.7972	0.7972		0.7745	0.7745	0.0000	4,230.9008	4,230.9008	0.7069		4,248.5732
Total	**2.2648**	**17.0121**	**28.0615**	**0.0443**	**0.0954**	**0.7972**	**0.8925**	**0.0144**	**0.7745**	**0.7889**	**0.0000**	**4,230.9008**	**4,230.9008**	**0.7069**		**4,248.5732**

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0100e-003	0.1850	0.0673	8.1000e-004	0.0197	3.4000e-004	0.0200	5.3900e-003	3.3000e-004	5.7200e-003		88.2168	88.2168	6.0900e-003		88.3690
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0641	0.0389	0.4644	1.5500e-003	0.1788	1.3400e-003	0.1802	0.0474	1.2300e-003	0.0487		154.5286	154.5286	3.7600e-003		154.6226
Total	**0.0701**	**0.2238**	**0.5317**	**2.3600e-003**	**0.1985**	**1.6800e-003**	**0.2002**	**0.0528**	**1.5600e-003**	**0.0544**		**242.7454**	**242.7454**	**9.8500e-003**		**242.9916**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0274	0.0000	0.0274	4.1400e-003	0.0000	4.1400e-003			0.0000			0.0000
Off-Road	1.7425	16.2932	21.0060	0.0304		0.9192	0.9192		0.8470	0.8470		2,925.9352	2,925.9352	0.9331		2,949.2616
Total	**1.7425**	**16.2932**	**21.0060**	**0.0304**	**0.0274**	**0.9192**	**0.9466**	**4.1400e-003**	**0.8470**	**0.8512**		**2,925.9352**	**2,925.9352**	**0.9331**		**2,949.2616**

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0925	2.8445	1.0353	0.0124	0.3025	5.2300e-003	0.3078	0.0829	5.0000e-003	0.0879		1,356.5782	1,356.5782	0.0936		1,358.9190
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0641	0.0389	0.4644	1.5500e-003	0.1788	1.3400e-003	0.1802	0.0474	1.2300e-003	0.0487		154.5286	154.5286	3.7600e-003		154.6226
Total	**0.1566**	**2.8833**	**1.4997**	**0.0140**	**0.4814**	**6.5700e-003**	**0.4880**	**0.1304**	**6.2300e-003**	**0.1366**		**1,511.1068**	**1,511.1068**	**0.0974**		**1,513.5416**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0123	0.0000	0.0123	1.8600e-003	0.0000	1.8600e-003			0.0000			0.0000
Off-Road	1.7425	16.2932	21.0060	0.0304		0.9192	0.9192		0.8470	0.8470	0.0000	2,925.9352	2,925.9352	0.9331		2,949.2616
Total	**1.7425**	**16.2932**	**21.0060**	**0.0304**	**0.0123**	**0.9192**	**0.9315**	**1.8600e-003**	**0.8470**	**0.8489**	**0.0000**	**2,925.9352**	**2,925.9352**	**0.9331**		**2,949.2616**

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0925	2.8445	1.0353	0.0124	0.3025	5.2300e-003	0.3078	0.0829	5.0000e-003	0.0879		1,356.5782	1,356.5782	0.0936		1,358.9190
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0641	0.0389	0.4644	1.5500e-003	0.1788	1.3400e-003	0.1802	0.0474	1.2300e-003	0.0487		154.5286	154.5286	3.7600e-003		154.6226
Total	**0.1566**	**2.8833**	**1.4997**	**0.0140**	**0.4814**	**6.5700e-003**	**0.4880**	**0.1304**	**6.2300e-003**	**0.1366**		**1,511.1068**	**1,511.1068**	**0.0974**		**1,513.5416**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7898	25.3601	24.1320	0.0588		1.1098	1.1098		1.0438	1.0438		5,661.7815	5,661.7815	1.4803		5,698.7891
Total	**2.7898**	**25.3601**	**24.1320**	**0.0588**		**1.1098**	**1.1098**		**1.0438**	**1.0438**		**5,661.7815**	**5,661.7815**	**1.4803**		**5,698.7891**

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1433	4.5862	1.5114	0.0158	0.4226	5.5200e-003	0.4281	0.1217	5.2800e-003	0.1269		1,687.9208	1,687.9208	0.0953		1,690.3030
Worker	0.6646	0.4032	4.8180	0.0161	1.8555	0.0139	1.8694	0.4921	0.0128	0.5049		1,603.2343	1,603.2343	0.0390		1,604.2096
Total	**0.8079**	**4.9894**	**6.3294**	**0.0318**	**2.2781**	**0.0194**	**2.2975**	**0.6138**	**0.0181**	**0.6318**		**3,291.1550**	**3,291.1550**	**0.1343**		**3,294.5126**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7898	25.3601	24.1320	0.0588		1.1098	1.1098		1.0438	1.0438	0.0000	5,661.7815	5,661.7815	1.4803		5,698.7891
Total	**2.7898**	**25.3601**	**24.1320**	**0.0588**		**1.1098**	**1.1098**		**1.0438**	**1.0438**	**0.0000**	**5,661.7815**	**5,661.7815**	**1.4803**		**5,698.7891**

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1433	4.5862	1.5114	0.0158	0.4226	5.5200e-003	0.4281	0.1217	5.2800e-003	0.1269		1,687.9208	1,687.9208	0.0953		1,690.3030
Worker	0.6646	0.4032	4.8180	0.0161	1.8555	0.0139	1.8694	0.4921	0.0128	0.5049		1,603.2343	1,603.2343	0.0390		1,604.2096
Total	**0.8079**	**4.9894**	**6.3294**	**0.0318**	**2.2781**	**0.0194**	**2.2975**	**0.6138**	**0.0181**	**0.6318**		**3,291.1550**	**3,291.1550**	**0.1343**		**3,294.5126**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6417	23.4668	23.9697	0.0588		0.9902	0.9902		0.9302	0.9302		5,662.1556	5,662.1556	1.4781		5,699.1084
Total	**2.6417**	**23.4668**	**23.9697**	**0.0588**		**0.9902**	**0.9902**		**0.9302**	**0.9302**		**5,662.1556**	**5,662.1556**	**1.4781**		**5,699.1084**

3.4 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1396	4.5474	1.4728	0.0157	0.4226	5.4100e-003	0.4280	0.1217	5.1700e-003	0.1269		1,678.8700	1,678.8700	0.0939		1,681.2165
Worker	0.6331	0.3688	4.4705	0.0155	1.8555	0.0136	1.8691	0.4921	0.0125	0.5046		1,541.1720	1,541.1720	0.0356		1,542.0610
Total	**0.7727**	**4.9162**	**5.9433**	**0.0311**	**2.2781**	**0.0190**	**2.2971**	**0.6138**	**0.0177**	**0.6315**		**3,220.0420**	**3,220.0420**	**0.1294**		**3,223.2774**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6417	23.4668	23.9697	0.0588		0.9902	0.9902		0.9302	0.9302	0.0000	5,662.1556	5,662.1556	1.4781		5,699.1084
Total	**2.6417**	**23.4668**	**23.9697**	**0.0588**		**0.9902**	**0.9902**		**0.9302**	**0.9302**	**0.0000**	**5,662.1556**	**5,662.1556**	**1.4781**		**5,699.1084**

3.4 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1396	4.5474	1.4728	0.0157	0.4226	5.4100e-003	0.4280	0.1217	5.1700e-003	0.1269		1,678.8700	1,678.8700	0.0939		1,681.2165
Worker	0.6331	0.3688	4.4705	0.0155	1.8555	0.0136	1.8691	0.4921	0.0125	0.5046		1,541.1720	1,541.1720	0.0356		1,542.0610
Total	**0.7727**	**4.9162**	**5.9433**	**0.0311**	**2.2781**	**0.0190**	**2.2971**	**0.6138**	**0.0177**	**0.6315**		**3,220.0420**	**3,220.0420**	**0.1294**		**3,223.2774**

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6417	23.4668	23.9697	0.0588		0.9902	0.9902		0.9302	0.9302		5,662.1556	5,662.1556	1.4781		5,699.1084
Total	**2.6417**	**23.4668**	**23.9697**	**0.0588**		**0.9902**	**0.9902**		**0.9302**	**0.9302**		**5,662.1556**	**5,662.1556**	**1.4781**		**5,699.1084**

3.4 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1364	4.5052	1.4430	0.0156	0.4226	5.2900e-003	0.4279	0.1217	5.0600e-003	0.1267		1,670.1870	1,670.1870	0.0924		1,672.4980
Worker	0.6061	0.3397	4.1765	0.0149	1.8555	0.0132	1.8687	0.4921	0.0121	0.5042		1,487.6472	1,487.6472	0.0326		1,488.4620
Total	**0.7425**	**4.8449**	**5.6195**	**0.0305**	**2.2781**	**0.0185**	**2.2965**	**0.6138**	**0.0172**	**0.6309**		**3,157.8342**	**3,157.8342**	**0.1250**		**3,160.9599**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6417	23.4668	23.9697	0.0588		0.9902	0.9902		0.9302	0.9302	0.0000	5,662.1556	5,662.1556	1.4781		5,699.1084
Total	**2.6417**	**23.4668**	**23.9697**	**0.0588**		**0.9902**	**0.9902**		**0.9302**	**0.9302**	**0.0000**	**5,662.1556**	**5,662.1556**	**1.4781**		**5,699.1084**

3.4 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1364	4.5052	1.4430	0.0156	0.4226	5.2900e-003	0.4279	0.1217	5.0600e-003	0.1267		1,670.1870	1,670.1870	0.0924		1,672.4980
Worker	0.6061	0.3397	4.1765	0.0149	1.8555	0.0132	1.8687	0.4921	0.0121	0.5042		1,487.6472	1,487.6472	0.0326		1,488.4620
Total	**0.7425**	**4.8449**	**5.6195**	**0.0305**	**2.2781**	**0.0185**	**2.2965**	**0.6138**	**0.0172**	**0.6309**		**3,157.8342**	**3,157.8342**	**0.1250**		**3,160.9599**

3.5 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7514	8.0680	13.1266	0.0201		0.3409	0.3409		0.3136	0.3136		1,942.5089	1,942.5089	0.6283		1,958.2151
Paving	0.2597					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0110**	**8.0680**	**13.1266**	**0.0201**		**0.3409**	**0.3409**		**0.3136**	**0.3136**		**1,942.5089**	**1,942.5089**	**0.6283**		**1,958.2151**

3.5 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0511	0.0287	0.3522	1.2600e-003	0.1565	1.1100e-003	0.1576	0.0415	1.0200e-003	0.0425		125.4642	125.4642	2.7500e-003		125.5329
Total	**0.0511**	**0.0287**	**0.3522**	**1.2600e-003**	**0.1565**	**1.1100e-003**	**0.1576**	**0.0415**	**1.0200e-003**	**0.0425**		**125.4642**	**125.4642**	**2.7500e-003**		**125.5329**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7514	8.0680	13.1266	0.0201		0.3409	0.3409		0.3136	0.3136	0.0000	1,942.5089	1,942.5089	0.6283		1,958.2151
Paving	0.2597					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0110**	**8.0680**	**13.1266**	**0.0201**		**0.3409**	**0.3409**		**0.3136**	**0.3136**	**0.0000**	**1,942.5089**	**1,942.5089**	**0.6283**		**1,958.2151**

3.5 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0511	0.0287	0.3522	1.2600e-003	0.1565	1.1100e-003	0.1576	0.0415	1.0200e-003	0.0425		125.4642	125.4642	2.7500e-003		125.5329
Total	**0.0511**	**0.0287**	**0.3522**	**1.2600e-003**	**0.1565**	**1.1100e-003**	**0.1576**	**0.0415**	**1.0200e-003**	**0.0425**		**125.4642**	**125.4642**	**2.7500e-003**		**125.5329**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1829	5.6833	16.6929	0.0738	7.3141	0.0545	7.3686	1.9568	0.0506	2.0074		7,542.0492	7,542.0492	0.3333		7,550.3807
Unmitigated	1.1829	5.6833	16.6929	0.0738	7.3141	0.0545	7.3686	1.9568	0.0506	2.0074		7,542.0492	7,542.0492	0.3333		7,550.3807

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	805.63	273.13	111.88	2,692,499	2,692,499
Parking Lot	0.00	0.00	0.00		
Total	805.63	273.13	111.88	2,692,499	2,692,499

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Parking Lot	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568
NaturalGas Unmitigated	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	1780.85	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0192**	**0.1746**	**0.1467**	**1.0500e-003**		**0.0133**	**0.0133**		**0.0133**	**0.0133**		**209.5118**	**209.5118**	**4.0200e-003**	**3.8400e-003**	**210.7568**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	1.78085	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.5118	209.5118	4.0200e-003	3.8400e-003	210.7568
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0192**	**0.1746**	**0.1467**	**1.0500e-003**		**0.0133**	**0.0133**		**0.0133**	**0.0133**		**209.5118**	**209.5118**	**4.0200e-003**	**3.8400e-003**	**210.7568**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5210	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941
Unmitigated	1.5210	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7900e-003	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941
Total	**1.5210**	**3.7000e-004**	**0.0411**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0884**	**0.0884**	**2.3000e-004**		**0.0941**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7900e-003	3.7000e-004	0.0411	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0884	0.0884	2.3000e-004		0.0941
Total	**1.5210**	**3.7000e-004**	**0.0411**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0884**	**0.0884**	**2.3000e-004**		**0.0941**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix C
Tree Inventory Report

Appendix

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Carlberg ASSOCIATES

Horticulturists and Registered Consulting ARBORISTS

CITY OF LOS ANGELES TREE INVENTORY REPORT
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
GRANADA HILLS, CALIFORNIA 91344

SUBMITTED TO:

BEN MCCOY
ETP DESIGN
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PREPARED BY:

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FEBRUARY 2, 2018

CITY OF LOS ANGELES TREE INVENTORY REPORT -
JOHN F. KENNEDY HIGH SCHOOL – 11254 GOTHIC AVENUE, GRANADA HILLS, CA

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Carlberg ASSOCIATES
Horticulturists and
Registered Consulting
ARBORISTS

February 2, 2018

Ben McCoy
ETP Design
844 East Green Street, Suite 201
Pasadena, California 91101

Re: John F. Kennedy High School, 11254 Gothic Avenue, Granada Hills, California 91344
City of Los Angeles – Tree Inventory Report

Dear Mr. McCoy,

EXECUTIVE SUMMARY

This tree inventory report was prepared in conjunction with the City of Los Angeles Tree Preservation Ordinance No. 177.404 and the Los Angeles Unified School District guidelines. According to the Ordinance, "protected" trees are coast live oak, western sycamore, Southern California black walnut, or California bay laurel with trunk diameters (measured at 4.5 feet above grade) of 4 inches or greater. "Significant" trees are any tree with a trunk diameter of 8 inches or larger. Of the 177 inventoried trees, five are native species considered protected by the ordinance and 172 trees meet the City's criteria for 'significant trees'. City of Los Angeles rights-of-way trees were not inventoried and therefore not included in this report.

BACKGROUND AND ASSIGNMENT

The Los Angeles Unified School District (LAUSD) is proposing a school modernization project. The 177 inventoried trees are located throughout the property. We were retained to visit the property and inventory and photograph all "protected" and "significant" trees. A comprehensive analysis of each tree as it pertains to construction was not requested and is not a part of this study. This report is based on our site visit on January 3, 2018.

OBSERVATIONS

We inventoried 177 trees of various species throughout the subject property. Tree trunks were recorded in the field, from grade, using the topographical map provided to us.

Table 1 is a summary of the tree species comprising the 177 total trees. Captioned photographs and the exhibits at the end of this report illustrate site context, tree locations, tree structure, and vigor. Tree locations are graphically represented on the 'Tree Location Exhibit.'

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CONCLUSION

Once the design is finalized, LAUSD may request an analysis of construction impacts to each tree and recommendations for protection of trees during the construction process. We are available to provide a proposal for this study as requested; this assignment was only for a site analysis.

Very truly yours,

Cy Carlberg, Registered Consulting Arborist

TABLE 1 –TREE INVENTORY

Tree #	Common Name Botanical Name	Trunk diameter – DBH - (inches)	Height (feet)	Canopy Spread NS/EW	Health	Structure	"Protected" or "Significant"	Scenic[1] (CEQA)
1	Brazilian pepper *Schinus terebinthifolius*	16.5	25	16/25	C+	C	Significant	No
2	Holly oak *Quercus ilex*	15	30	25/25	B	B	Significant	No
3	Brazilian pepper *Schinus terebinthifolius*	6.5, 6.5, 7, 7, 8, 8	25	34/25	B-	B-	Significant	No
4	Holly oak *Quercus ilex*	20	30	30/32	A	A	Significant	No
5	Brazilian pepper *Schinus terebinthifolius*	15.5	25	40/30	C+	B	Significant	No
6	Holly oak *Quercus ilex*	22.5 at 3'	35	38/40	A	A	Significant	No
7	evergreen pear *Pyrus kawakamii*	12.5	20	25/25	B	A	Significant	No
8	shamel ash *Fraxinus uhdei*	14, 18	40	40/40	B	B	Significant	No
9	shamel ash *Fraxinus uhdei*	12, 14, 17	30	35/33	B	B-	Significant	No
10	shamel ash *Fraxinus uhdei*	14	30	28/25	B	C	Significant	No
11	Brazilian pepper *Schinus terebinthifolius*	7, 9, 11	20	25/28	B	B	Significant	No
12	Holly oak *Quercus ilex*	17.5	40	28/35	A	B	Significant	No
13	Holly oak *Quercus ilex*	9.5	20	15/15	B-	B-	Significant	No
14	Holly oak *Quercus ilex*	15.5	35	40/25	B-	B	Significant	No
15	Holly oak *Quercus ilex*	22.5	40	42/34	A-	B	Significant	No
16	shamel ash *Fraxinus uhdei*	9, 9.5	20	30/20	C-	C	Significant	No
17	Mexican fan palm *Washingtonia robusta*	BT 20'	35	10/10	B	A	Significant	No
18	Xylosma *Xylosma congestum*	3, 5, 7, 7.5	22	20/20	A-	B	Significant	No
19	Holly oak *Quercus ilex*	14.5 at 3'	25	28/25	A-	B	Significant	No
20	Holly oak *Quercus ilex*	19.5	35	38/34	B	B	Significant	No
21	Holly oak *Quercus ilex*	16	35	20/25	B-	B	Significant	No

Tree #	Common Name Botanical Name	Trunk diameter – DBH - (inches)	Height (feet)	Canopy Spread NS/EW	Health	Structure	"Protected" or "Significant"	Scenic[1] (CEQA)
22	Brazilian pepper *Schinus terebinthifolius*	18.5	25	30/30	A	B	Significant	No
23	Mexican fan palm *Washingtonia robusta*	BT 25'	35	12/12	B	A	Significant	No
24	Holly oak *Quercus ilex*	17	30	30/35	A-	B	Significant	No
25	Holly oak *Quercus ilex*	10	25	22/20	B	B	Significant	No
26	shamel ash *Fraxinus uhdei*	10.5, 12	30	28/35	B-	B	Significant	No
27	Xylosma *Xylosma congestum*	6, 7	20	28/15	B	B	Significant	No
28	Xylosma *Xylosma congestum*	4, 7.5	20	15/15	B	B	Significant	No
29	Xylosma *Xylosma congestum*	5, 7	20	15/20	B	B	Significant	No
30	Xylosma *Xylosma congestum*	5.5, 6.5, 6.5, 6.5	20	25/20	B	B	Significant	No
31	Xylosma *Xylosma congestum*	5.5, 6, 8	20	25/18	B	B	Significant	No
32	Xylosma *Xylosma congestum*	2.5, 4, 4.5, 9	20	20/15	B	B	Significant	No
33	Xylosma *Xylosma congestum*	3.5, 8	20	18/12	B-	B	Significant	No
34	Xylosma *Xylosma congestum*	3, 3.5, 5.5, 7	20	20/15	B	B	Significant	No
35	Xylosma *Xylosma congestum*	2.5, 2.5, 3.5, 4, 5, 5.5, 7	20	20/16	B	B	Significant	No
36	Xylosma *Xylosma congestum*	2.5, 5, 5, 7	20	17/20	B	B	Significant	No
37	Xylosma *Xylosma congestum*	3.5, 4, 6, 7	20	21/17	B	B	Significant	No
38	Xylosma *Xylosma congestum*	4, 6, 6.5, 8	20	21/22	B	B	Significant	No
39	Brisbane box *Lophostomen confertus*	15	30	25/28	B	B	Significant	No
40	Brisbane box *Lophostomen confertus*	10.5	20	0	F	F	Significant	No
41	Brisbane box *Lophostomen confertus*	15	30	30/30	B	B	Significant	No
42	Mexican fan palm *Washingtonia robusta*	BT 50'	60	12/12	A	A	Significant	No

Tree #	Common Name Botanical Name	Trunk diameter – DBH - (inches)	Height (feet)	Canopy Spread NS/EW	Health	Structure	"Protected" or "Significant"	Scenic[1] (CEQA)
43	lemon bottlebrush *Callistemon citrinus*	8.5	15	10/14	C	C	Significant	No
44	lemon bottlebrush *Callistemon citrinus*	6, 9.5	20	25/25	B-	B	Significant	No
45	Brisbane box *Lophostomen confertus*	13	30	25/30	B	B	Significant	No
46	Brisbane box *Lophostomen confertus*	12.5	30	28/28	B	B	Significant	No
47	tulip tree *Liriodendron tulipifera*	19	50	30/30	C-	B-	Significant	No
48	American sweetgum *Liquidambar styraciflua*	19	40	28/32	B-	B	Significant	No
49	Carolina cherry *Prunus caroliniana*	16	25	25/20	B	B	Significant	No
50	Carolina cherry *Prunus caroliniana*	4, 4.5, 10	20	15/15	B-	B	Significant	No
51	African yellowwood *Afrocarpus gracilior*	12.5 at base	13	10/10	A	A	Significant	No
52	lemon bottlebrush *Callistemon citrinus*	18	35	25/28	B	B	Significant	No
53	weeping bottlebrush *Callistemon viminalis*	8, 9, 12	25	30/30	B	B	Significant	No
54	weeping bottlebrush *Callistemon viminalis*	13, 14	30	35/30	B	B	Significant	No
55	weeping bottlebrush *Callistemon viminalis*	15.5 AT 3'	30	35/30	B	B	Significant	No
56	weeping bottlebrush *Callistemon viminalis*	13.5	25	25/30	B-	B	Significant	No
57	weeping bottlebrush *Callistemon viminalis*	14.5	30	20/20	B	B	Significant	No
58	Mexican fan palm *Washingtonia robusta*	BT 40', BT 60'	50, 70	15/15	A	A	Significant	No
59	Mexican fan palm *Washingtonia robusta*	BT 40'	50	12/12	A	A	Significant	No
60	weeping bottlebrush *Callistemon viminalis*	Unknown	30	15/20	C	B-	Significant	No
61	weeping bottlebrush *Callistemon viminalis*	5, 9.5, 14	25	20/28	B	B-	Significant	No

Tree #	Common Name Botanical Name	Trunk diameter – DBH - (inches)	Height (feet)	Canopy Spread NS/EW	Health	Structure	"Protected" or "Significant"	Scenic[1] (CEQA)
62	Carolina cherry *Prunus caroliniana*	2, 2.5, 4, 6.5	20	18/17	B	B	Significant	No
63	lemon bottlebrush *Callistemon citrinus*	5, 5.5, 5.5, 6.5	20	20/20	B	B	Significant	No
64	California pepper *Schinus molle*	21, 26	35	55/55	B	B-	Significant	No
65	lemon bottlebrush *Callistemon citrinus*	2.5, 5.5, 7.5	20	10/15	A	B	Significant	No
66	lemon bottlebrush *Callistemon citrinus*	4, 4, 5.5, 8, 10.5	25	20/22	B-	B	Significant	No
67	paperbark *Melaleuca quinquenervia*	11	30	18/18	B	B	Significant	No
68	paperbark *Melaleuca quinquenervia*	14	30	18/15	B	B-	Significant	No
69	paperbark *Melaleuca quinquenervia*	10	30	25/20	B	B	Significant	No
70	paperbark *Melaleuca quinquenervia*	11	30	15/25	B	B	Significant	No
71	lemon bottlebrush *Callistemon citrinus*	7, 8.5	22	20/15	A-	B	Significant	No
72	lemon bottlebrush *Callistemon citrinus*	8.5	20	12/10	B	B	Significant	No
73	lemon bottlebrush *Callistemon citrinus*	3, 8	20	20/15	B	B	Significant	No
74	weeping bottlebrush *Callistemon viminalis*	8	25	15/10	A	B	Significant	No
75	weeping bottlebrush *Callistemon viminalis*	11.5	30	20/23	B	B	Significant	No
76	Mexican fan palm *Washingtonia robusta*	BT 40'	50	12/12	B	A	Significant	No
77	Hollywood juniper *Juniperus chinensis* 'Torulosa'	9	20	10/10	A	A	Significant	No
78	flooded gum *Eucalyptus rudis*	23.5	45	40/40	B	B	Significant	No
79	carrotwood *Cupaniopsis anacardioides*	12.5	20	20/25	B-	B	Significant	No
80	carrotwood *Cupaniopsis anacardioides*	11	20	18/22	B	B	Significant	No
81	carrotwood *Cupaniopsis anacardioides*	7.5, 9.5	20	25/20	B	B-	Significant	No
82	carrotwood *Cupaniopsis anacardioides*	13.5	20	20/30	B	B-	Significant	No

Tree #	Common Name Botanical Name	Trunk diameter – DBH - (inches)	Height (feet)	Canopy Spread NS/EW	Health	Structure	"Protected" or "Significant"	Scenic[1] (CEQA)
83	Xylosma *Xylosma congestum*	7.5, 8	20	25/20	A	B	Significant	No
84	weeping bottlebrush *Callistemon viminalis*	12	30	18/20	B	B	Significant	No
85	weeping bottlebrush *Callistemon viminalis*	7.5, 11	30	20/20	B	B	Significant	No
86	Brisbane box *Lophostomen confertus*	19	30	30/30	A	B	Significant	No
87	Carolina cherry *Prunus caroliniana*	11	25	20/15	C	C	Significant	No
88	Mexican fan palm *Washingtonia robusta*	BT 18'	28	12/12	A-	A	Significant	No
89	Carolina cherry *Prunus caroliniana*	8	15	15/15	B	C-	Significant	No
90	shamel ash *Fraxinus uhdei*	20	40	25/35	B	B	Significant	No
91	shamel ash *Fraxinus uhdei*	4, 7	20	15/15	B	B	Significant	No
92	evergreen pear *Pyrus kawakamii*	12	22	22/30	B-	B	Significant	No
93	evergreen pear *Pyrus kawakamii*	10.5	20	26/25	C	B	Significant	No
94	Mexican fan palm *Washingtonia robusta*	BT 30'	40	13/13	B	A	Significant	No
95	Arizona ash *Fraxinus velutina*	8, 12.5	25	18/22	C	D	Significant	No
96	shamel ash *Fraxinus uhdei*	20.5	35	30/33	B-	B	Significant	No
97	Arizona ash *Fraxinus uhdei*	12	25	20/24	B	B	Significant	No
98	shamel ash *Fraxinus uhdei*	12	35	26/18	B-	B	Significant	No
99	shamel ash *Fraxinus uhdei*	14, 15.5	40	32/30	B-	B	Significant	No
100	evergreen pear *Pyrus kawakamii*	9, 12	23	30/32	B-	B	Significant	No
101	evergreen pear *Pyrus kawakamii*	9	20	24/22	C	B	Significant	No
102	Magnolia *Magnolia grandiflora*	8	16	14/18	B	B	Significant	No
103	Arizona ash *Fraxinus uhdei*	18	30	30/32	B	B	Significant	No

Tree #	Common Name Botanical Name	Trunk diameter – DBH - (inches)	Height (feet)	Canopy Spread NS/EW	Health	Structure	"Protected" or "Significant"	Scenic[1] (CEQA)
104	Arizona ash *Fraxinus uhdei*	12.5 at 4'	20	25/25	B-	B	Significant	No
105	lemon bottlebrush *Callistemon citrinus*	6, 7.5	25	14/16	B-	B	Significant	No
106	shamel ash *Fraxinus uhdei*	18.5	35	30/33	B	B	Significant	No
107	shamel ash *Fraxinus uhdei*	8	25	15/12	C-	B-	Significant	No
108	weeping bottlebrush *Callistemon viminalis*	9	25	16/14	B-	B	Significant	No
109	weeping fig *Ficus benjamina*	13.5 at 20'	30	35/25	B	B-	Significant	No
110	weeping fig *Ficus benjamina*	12.5 at 20'	30	35/25	B	B-	Significant	No
111	weeping fig *Ficus benjamina*	14 at 2'	30	35/20	B	B-	Significant	No
112	weeping fig *Ficus benjamina*	23	35	45/42	C	B	Significant	No
113	weeping fig *Ficus benjamina*	13.5	25	28/30	B-	B	Significant	No
114	weeping fig *Ficus benjamina*	16.5	25	30/37	B	B	Significant	No
115	lemon bottlebrush *Callistemon citrinus*	4, 4, 6	20	15/15	B	B	Significant	No
116	crape myrtle *Lagerstroemia indica*	5, 7	20	18/15	B-	B	Significant	No
117	crape myrtle *Lagerstroemia indica*	4, 5.5, 6.5, 7	22	14/15	B-	B	Significant	No
118	shamel ash *Fraxinus uhdei*	17	30	40/40	B	B	Significant	No
119	shamel ash *Fraxinus uhdei*	11.5	27	25/30	B	B	Significant	No
120	crape myrtle *Lagerstroemia indica*	3.5, 5, 5, 5, 6.5	20	20/28	B-	B	Significant	No
121	carrotwood *Cupaniopsis anacardioides*	15	30	25/30	A	B	Significant	No
122	crape myrtle *Lagerstroemia indica*	3, 3.5, 3.5, 5, 5, 5.5	20	20/20	B-	B	Significant	No
123	silk tree *Albizia julibrissin*	14.5 at 3'	30	32/27	C	C	Significant	No
124	paperbark *Melaleuca quinquenervia*	11	35	15/15	A	A	Significant	No
125	evergreen pear *Pyrus kawakamii*	15.5	25	25/25	B	B	Significant	No

Tree #	Common Name Botanical Name	Trunk diameter – DBH - (inches)	Height (feet)	Canopy Spread NS/EW	Health	Structure	"Protected" or "Significant"	Scenic[1] (CEQA)
126	crape myrtle *Lagerstroemia indica*	2, 2.5, 2.5, 2.5, 3, 3.5, 4, 4	20	15/20	B	B	Significant	No
127	crape myrtle *Lagerstroemia indica*	2.5, 3, 3.5, 4, 4.5, 5, 5	20	15/20	B	B	Significant	No
128	crape myrtle *Lagerstroemia indica*	2.5, 3, 3.5, 3.5, 3.5, 4, 5, 6	20	15/20	B	B	Significant	No
129	Ginkgo *Ginkgo biloba*	5, 10, 10, 10.5	40	20/28	B-	B	Significant	No
130	Ginkgo *Ginkgo biloba*	10, 11	40	18/25	B-	B	Significant	No
131	weeping fig *Ficus benjamina*	15.5	35	30/42	A	B	Significant	No
132	shamel ash *Fraxinus uhdei*	27.5	40	35/45	C	C-	Significant	No
133	shamel ash *Fraxinus uhdei*	32	55	42/52	C+	B	Significant	No
134	paperbark *Melaleuca quinquenervia*	5, 6.5	30	15-Dec	A-	B	Significant	No
135	shamel ash *Fraxinus uhdei*	32	55	40/54	C+	B	Significant	No
136	Ginkgo *Ginkgo biloba*	10	40	15/15	B	B	Significant	No
137	paperbark *Melaleuca quinquinervia*	25	45	30/27	A	B	Significant	No
138	Ginkgo *Ginkgo biloba*	12	40	25/25	A	A	Significant	No
139	evergreen pear *Pyrus kawakamii*	11	25	20/13	C	D	Significant	No
140	evergreen pear *Pyrus kawakamii*	8	25	21/25	B	B	Significant	No
141	paperbark *Melaleuca quinquenervia*	11, 11, 12, 12, 12, 12, 12, 12, 15, 15	50	34/40	A	B	Significant	No
142	paperbark *Melaleuca quinquenervia*	10, 10.5, 14.5	45	25/30	A	B	Significant	No
143	shamel ash *Fraxinus uhdei*	26	50	30/37	B	B	Significant	No
144	Engelmann oak *Quercus engelmannii*	4	15	6/8/7/8 (N/E/S/W)	A	A	Protected	No
145	shamel ash *Fraxinus uhdei*	36	50	48/48	B	B	Significant	No
146	Brazilian pepper *Schinus terebinthifolius*	13.5	25	21/21	A	B	Significant	No
147	Engelmann oak *Quercus engelmannii*	6	20	5/8/15/12 (N/E/S/W)	B	B	Protected	No

Tree #	Common Name Botanical Name	Trunk diameter – DBH - (inches)	Height (feet)	Canopy Spread NS/EW	Health	Structure	"Protected" or "Significant"	Scenic[1] (CEQA)
148	Engelmann oak *Quercus engelmannii*	5	20	8/8/10/7 (N/E/S/W)	A	B	Protected	No
149	Engelmann oak *Quercus engelmannii*	6	23	11/12/7/10 (N/E/S/W)	A	A-	Protected	No
150	coast live oak *Quercus agrifolia*	9	20	8/8/8/8 (N/E/S/W)	A	A	Protected	No
151	fern pine *Afrocarpus falcatus*	24	50	52/36	A	A	Significant	No
152	fern pine *Afrocarpus falcatus*	23	45	30/36	A-	B	Significant	No
153	Chinese flame *Koelreuteria bipinnata*	8	20	18/24	B	B-	Significant	No
154	carrotwood *Cupaniopsis anacardioides*	13	30	22/24	A-	B	Significant	No
155	gold medallion tree *Cassia leptophylla*	9.5	25	30/25	B-	B-	Significant	No
156	gold medallion tree *Cassia leptophylla*	10	25	21/21	B-	B	Significant	No
157	Brazilian pepper *Schinus terebinthifolius*	21	35	25/33	A	B	Significant	No
158	Brazilian pepper *Schinus terebinthifolius*	17	30	33/27	A	B	Significant	No
159	Brazilian pepper *Schinus terebinthifolius*	15	22	30/30	B-	B	Significant	No
160	Brazilian pepper *Schinus terebinthifolius*	23	30	35/30	A	B	Significant	No
161	Brazilian pepper *Schinus terebinthifolius*	25.5	30	33/40	A-	B	Significant	No
162	Brazilian pepper *Schinus terebinthifolius*	26	30	35/45	A-	B	Significant	No
163	evergreen pear *Pyrus kawakamii*	17	25	25/33	B	B	Significant	No
164	evergreen pear *Pyrus kawakamii*	23	30	42/47	A-	B	Significant	No
165	evergreen pear *Pyrus kawakamii*	15.5	25	30/27	B-	B	Significant	No
166	Brazilian pepper *Schinus terebinthifolius*	19.5	25	38/32	B	B	Significant	No
167	Canary Island pine *Pinus canariensis*	33	55	34/33	A	A	Significant	No
168	Canary Island pine *Pinus canariensis*	26	60	30/36	A-	B	Significant	No
169	Canary Island pine *Pinus canariensis*	27.5	55	27/27	A-	A	Significant	No

Tree #	Common Name Botanical Name	Trunk diameter – DBH - (inches)	Height (feet)	Canopy Spread NS/EW	Health	Structure	"Protected" or "Significant"	Scenic[1] (CEQA)
170	silk tree *Albizia julibrissin*	13	20	30/30	C-	D	Significant	No
171	weeping fig *Ficus benjamina*	16	30	30/37	A-	B	Significant	No
172	shamel ash *Fraxinus uhdei*	32	60	40/54	B	B	Significant	No
173	shamel ash *Fraxinus uhdei*	26	45	50/45	B	B	Significant	No
174	shamel ash *Fraxinus uhdei*	20	30	20/30	C	C-	Significant	No
175	evergreen pear *Pyrus kawakamii*	11	22	24/27	B-	B	Significant	No
176	shamel ash *Fraxinus uhdei*	18	45	36/40	B	B	Significant	No
177	Magnolia *Magnolia grandiflora*	10.5	23	0	F	F	Significant	No

1 - A scenic tree is highly visible, prominent and possesses unique or distinctive aesthetic qualities due to its size, structure, unusual specimen, etc.

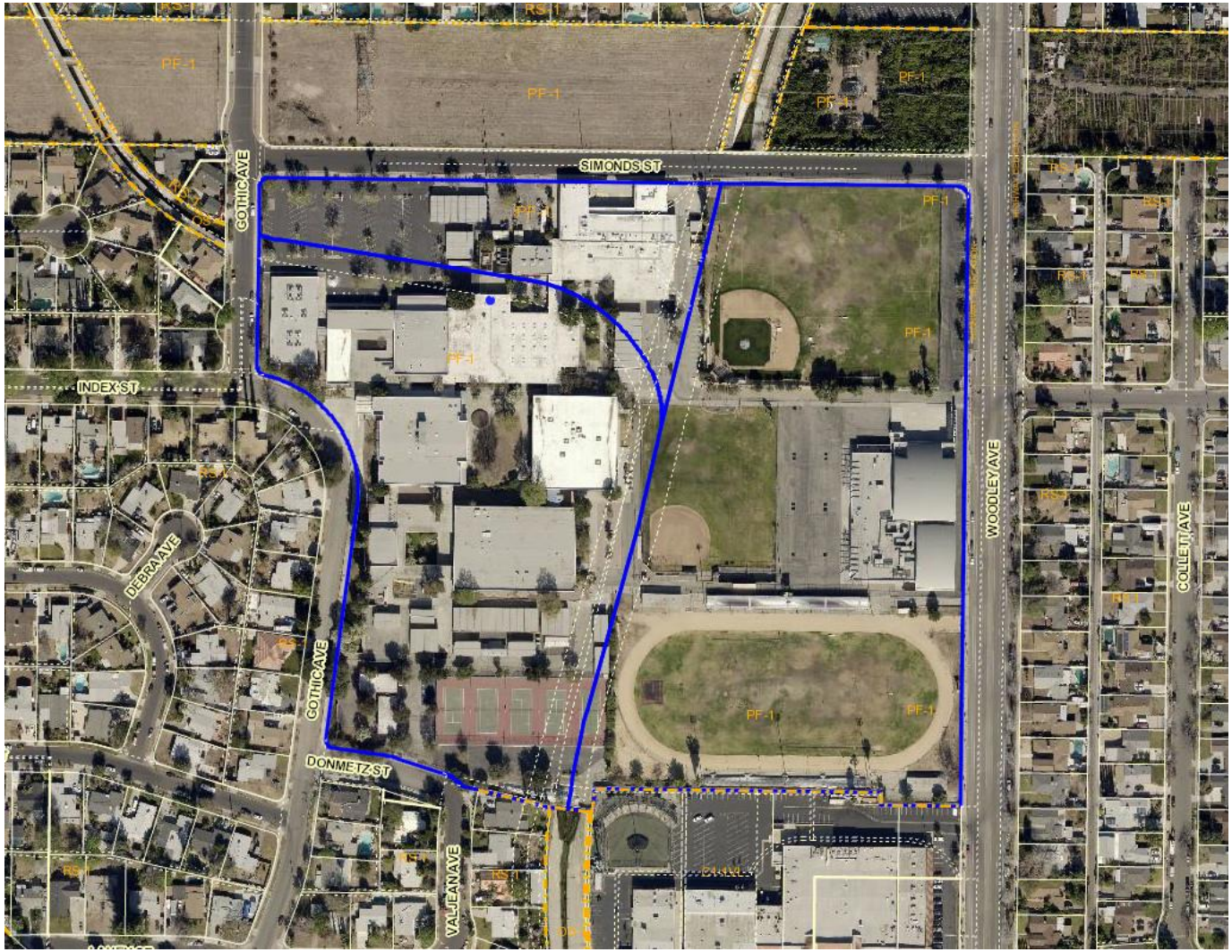


EXHIBIT 1 - AERIAL VIEW OF THE SUBJECT AREA
JOHN F. KENNEDY HIGH SCHOOL, 11254 GOTHIC AVENUE, GRANADA HILLS, CA
SOURCE: CITY OF LOS ANGELES - ZIMAS

N

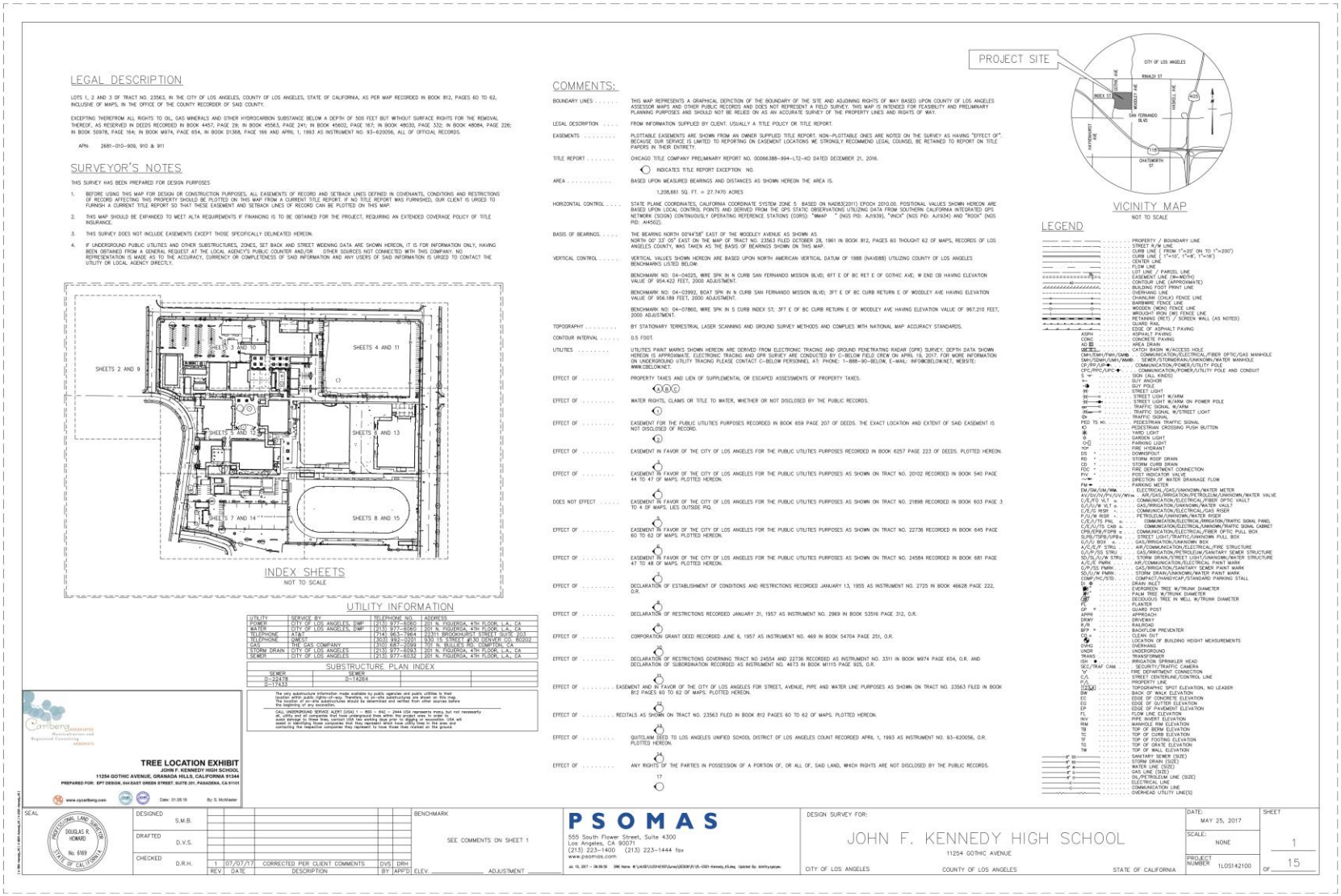
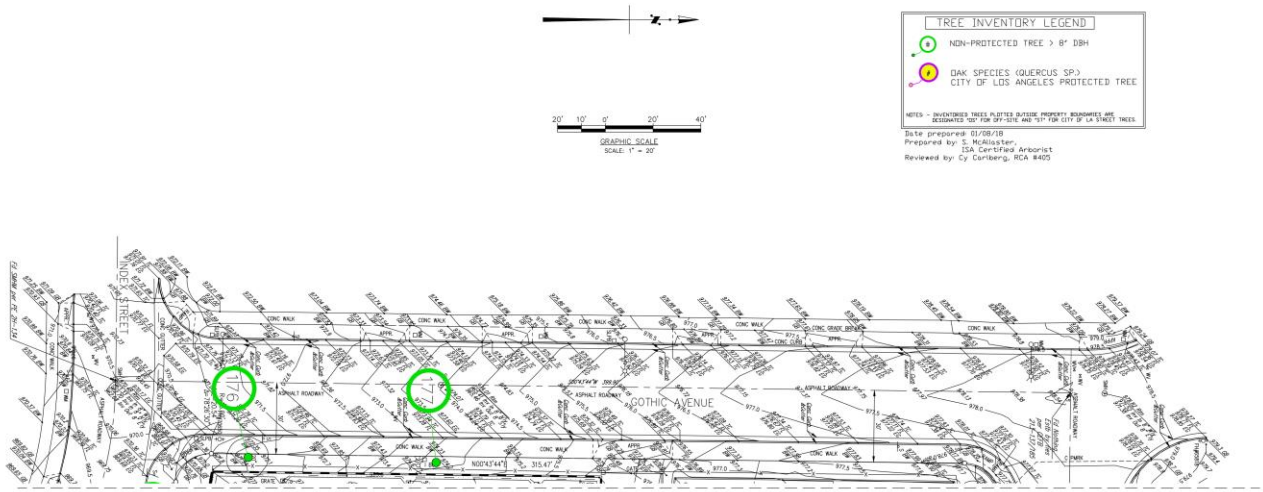


EXHIBIT 2 – REDUCED COPY OF TREE LOCATION EXHIBIT
8 SHEETS



TREE INVENTORY LEGEND

NON-PROTECTED TREE > 8" DBH

OAK SPECIES (QUERCUS SP.) CITY OF LOS ANGELES PROTECTED TREE

NOTES - INVENTORIED TREES PLOTTED OUTSIDE PROPERTY BOUNDARIES ARE DESIGNATED "OS" FOR OFF-SITE AND "ST" FOR CITY OF LA STREET TREES.

Date prepared: 01/08/18
Prepared by: S. McAllister, ISA Certified Arborist
Reviewed by: Cy Carlberg, RCA #405

20' 10' 0' 20' 40'
GRAPHIC SCALE
SCALE 1" = 20'

Carlberg ASSOCIATES Horticulturists and Registered Consulting ARBORISTS

TREE LOCATION EXHIBIT
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE, GRANADA HILLS, CALIFORNIA 91344
PREPARED FOR: EPT DESIGN, 844 EAST GREEN STREET, SUITE 201, PASADENA, CA 91101

www.cycarlberg.com Date: 01.08.18 By: S. McAllister

SEAL: PROFESSIONAL LAND SURVEYOR DOUGLAS R. HOWARD No. 6169 STATE OF CALIFORNIA

DESIGNED S.M.B.
DRAFTED D.V.S.
CHECKED D.R.H.

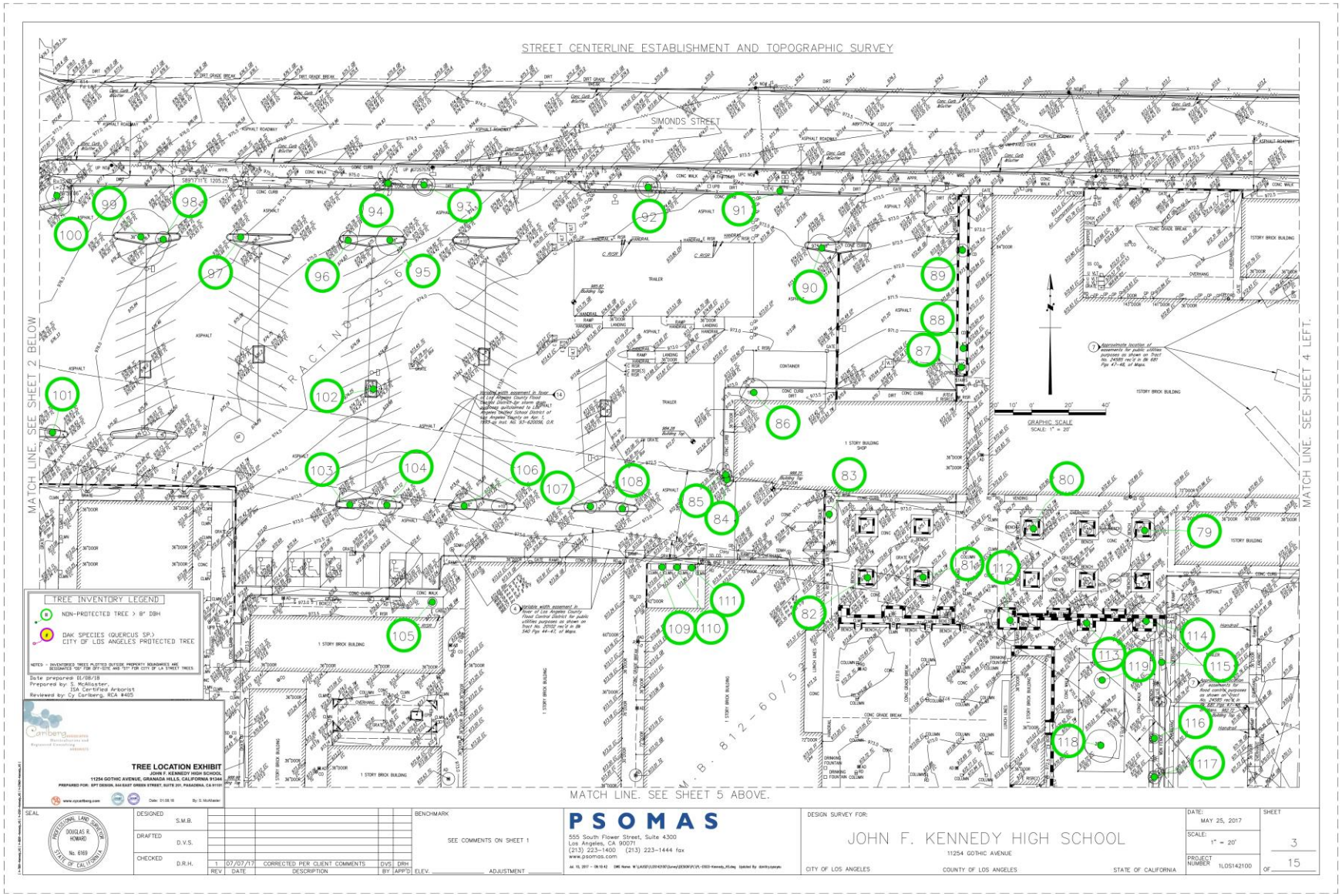
REV	DATE	DESCRIPTION	BY	APP'D
1	07/07/17	CORRECTED PER CLIENT COMMENTS	DVS	DRH

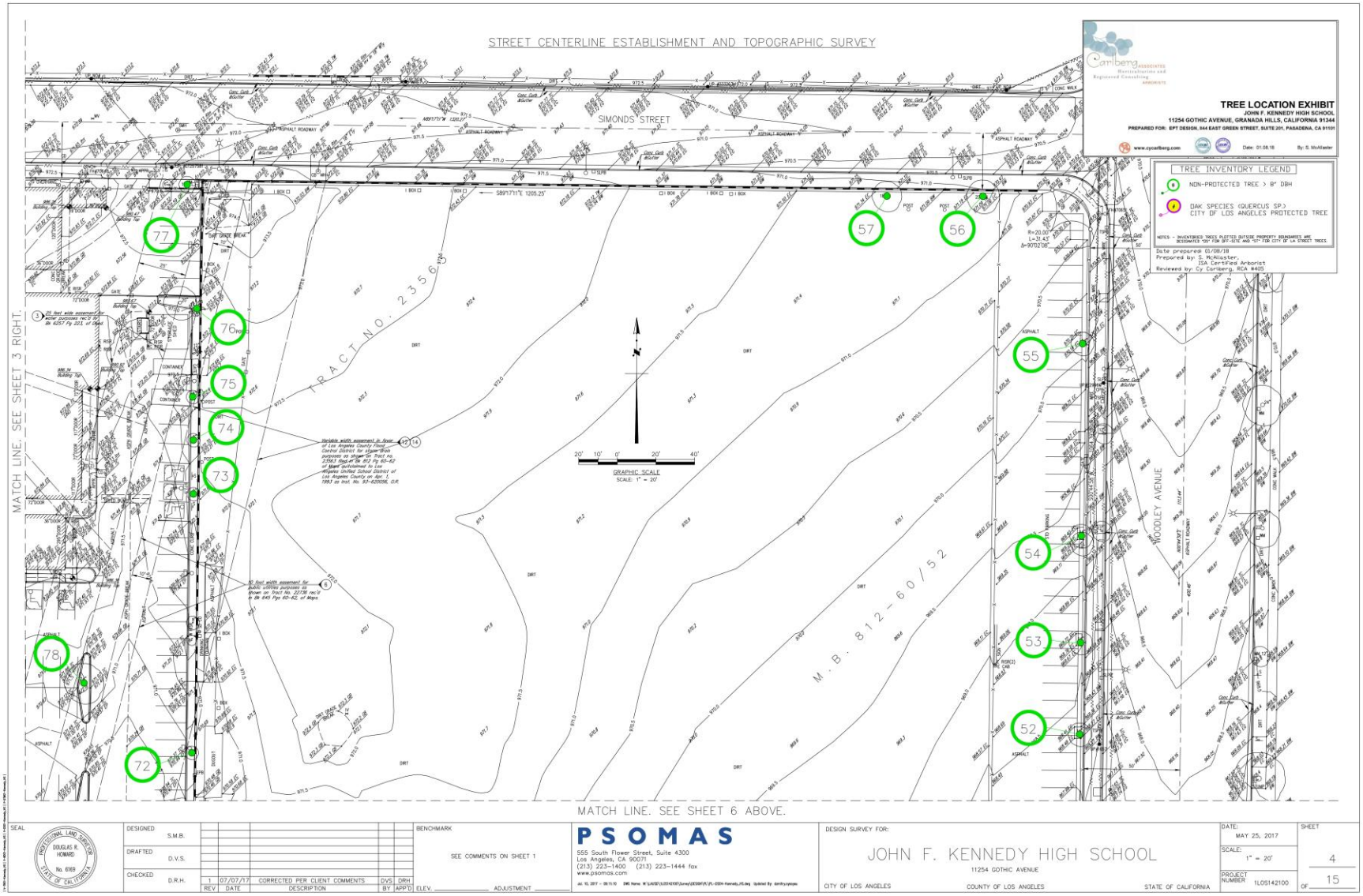
BENCHMARK: SEE COMMENTS ON SHEET 1
ELEV. _____ ADJUSTMENT _____

PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 (213) 223-1444 fax
www.psomas.com

DESIGN SURVEY FOR:
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
CITY OF LOS ANGELES COUNTY OF LOS ANGELES STATE OF CALIFORNIA

DATE: MAY 25, 2017
SCALE: 1:20
PROJECT NUMBER: 1LOS142100
SHEET 2 OF 15


STREET CENTERLINE ESTABLISHMENT AND TOPOGRAPHIC SURVEY
SIMONDS STREET
MATCH LINE. SEE SHEET 2 BELOW
MATCH LINE. SEE SHEET 4 LEFT.
MATCH LINE. SEE SHEET 5 ABOVE.
TRACT NO. 23560
M.B. 812-60/5
TREE INVENTORY LEGEND
NON-PROTECTED TREE > 8" DBH
OAK SPECIES (QUERCUS SP.)
CITY OF LOS ANGELES PROTECTED TREE
Date prepared: 01/08/18
Prepared by: S. McAllaster, ISA Certified Arborist
Reviewed by: Cy Carlberg, RCA #405
TREE LOCATION EXHIBIT
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE, GRANADA HILLS, CALIFORNIA 91344
PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 (213) 223-1444 fax
www.psomas.com
DESIGN SURVEY FOR:
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
CITY OF LOS ANGELES
COUNTY OF LOS ANGELES
STATE OF CALIFORNIA
DATE: MAY 25, 2017
SCALE: 1" = 20'
PROJECT NUMBER 1LOS142100
SHEET 3 OF 15
SEE COMMENTS ON SHEET 1
DESIGNED S.M.B.
DRAFTED D.V.S.
CHECKED D.R.H.
1 07/07/17 CORRECTED PER CLIENT COMMENTS DVS DRH
REV DATE DESCRIPTION BY APP'D
DOUGLAS R. HOWARD No. 6169 STATE OF CALIFORNIA


STREET CENTERLINE ESTABLISHMENT AND TOPOGRAPHIC SURVEY
TREE LOCATION EXHIBIT
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE, GRANADA HILLS, CALIFORNIA 91344
PREPARED FOR: EPT DESIGN, 944 EAST GREEN STREET, SUITE 201, PASADENA, CA 91101
www.cycarlberg.com
Date: 01.08.18
By: S. McAllister
TREE INVENTORY LEGEND
NON-PROTECTED TREE > 8" DBH
OAK SPECIES (QUERCUS SP.) CITY OF LOS ANGELES PROTECTED TREE
NOTES: - INVENTORIED TREES PLOTTED OUTSIDE PROPERTY BOUNDARIES ARE DESIGNATED "OS" FOR OFF-SITE AND "ST" FOR CITY OF LA STREET TREES.
Date prepared: 01/08/18
Prepared by: S. McAllister, ISA Certified Arborist
Reviewed by: Cy Carlberg, RCA #405
SIMONDS STREET
WOODLEY AVENUE
TRACT NO. 23560
M.B. 812-60/52
MATCH LINE. SEE SHEET 3 RIGHT.
MATCH LINE. SEE SHEET 6 ABOVE.
GRAPHIC SCALE
SCALE: 1" = 20'
77
76
75
74
73
72
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57
56
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54
53
52
SEAL
DOUGLAS R. HOWARD
No. 6169
STATE OF CALIFORNIA
DESIGNED S.M.B.
DRAFTED D.V.S.
CHECKED D.R.H.
REV DATE DESCRIPTION BY APP'D
1 07/07/17 CORRECTED PER CLIENT COMMENTS DVS DRH
BENCHMARK
SEE COMMENTS ON SHEET 1
ELEV. ADJUSTMENT
PSOMAS
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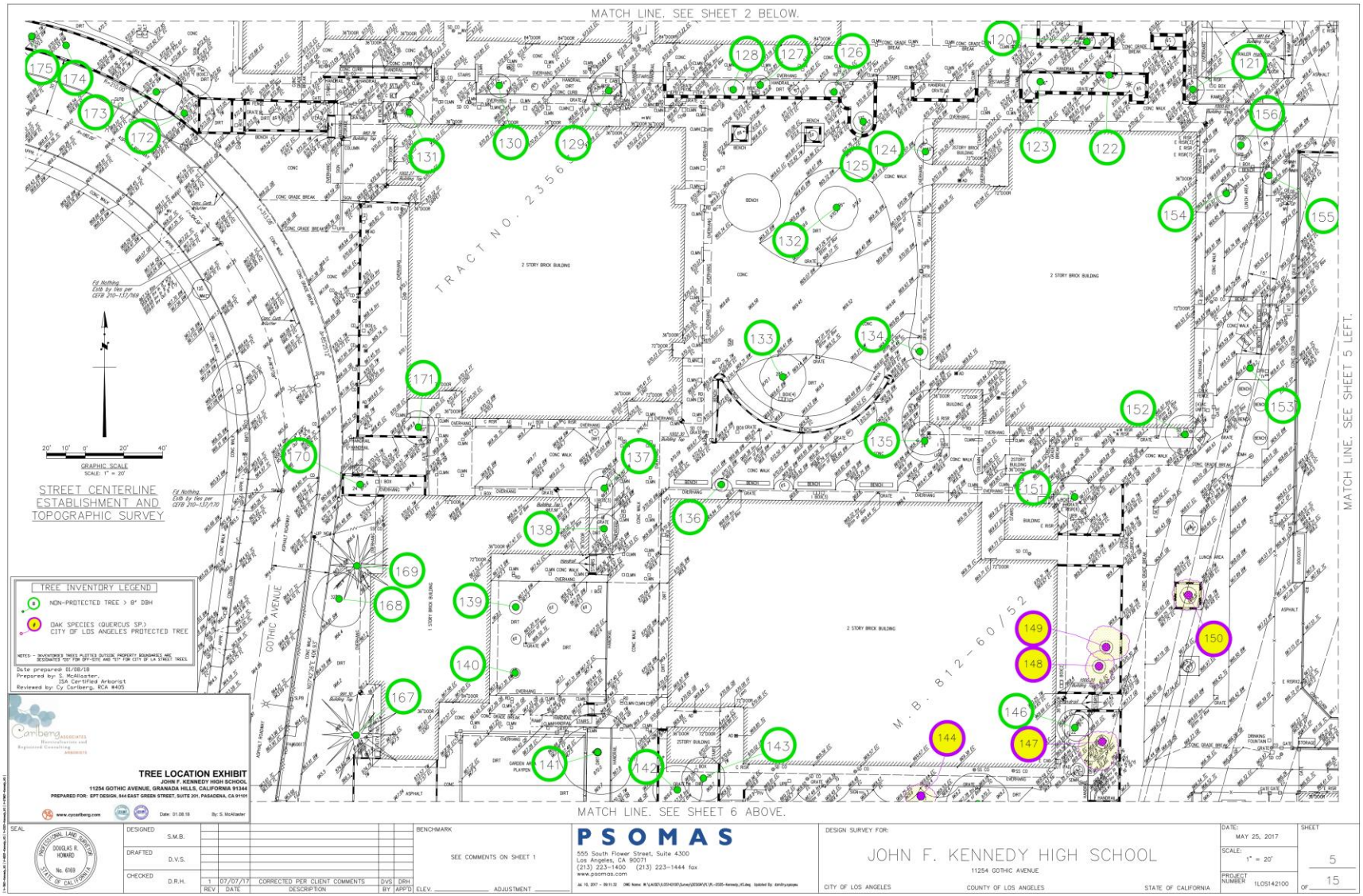
Los Angeles, CA 90071
(213) 223-1400 (213) 223-1444 fax
www.psomas.com
DESIGN SURVEY FOR:
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
CITY OF LOS ANGELES
COUNTY OF LOS ANGELES
STATE OF CALIFORNIA
DATE: MAY 25, 2017
SCALE: 1" = 20'
PROJECT NUMBER 1L051421 00
SHEET 4 OF 15


MATCH LINE. SEE SHEET 2 BELOW.
MATCH LINE. SEE SHEET 5 LEFT.
MATCH LINE. SEE SHEET 6 ABOVE.
TRACT NO. 23569
M.B. 812-60/52
GOTHIC AVENUE
2 STORY BRICK BUILDING
1 STORY BRICK BUILDING
GRAPHIC SCALE
SCALE: 1" = 20'
STREET CENTERLINE ESTABLISHMENT AND TOPOGRAPHIC SURVEY
TREE INVENTORY LEGEND
NON-PROTECTED TREE > 8" DBH
OAK SPECIES (QUERCUS SP.) CITY OF LOS ANGELES PROTECTED TREE
Date prepared: 01/08/18
Prepared by: S. McAllaster, ISA Certified Arborist
Reviewed by: Cy Carlberg, RCA #405
TREE LOCATION EXHIBIT
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE, GRANADA HILLS, CALIFORNIA 91344
PREPARED FOR: EPT DESIGN, 844 EAST GREEN STREET, SUITE 201, PASADENA, CA 91101
www.cycarlberg.com
Date: 01.08.18
By: S. McAllaster
DESIGNED S.M.B.
DRAFTED D.V.S.
CHECKED D.R.H.
REV DATE DESCRIPTION BY APP'D
1 07/07/17 CORRECTED PER CLIENT COMMENTS DVS DRH
BENCHMARK
SEE COMMENTS ON SHEET 1
ELEV. ADJUSTMENT
PSOMAS
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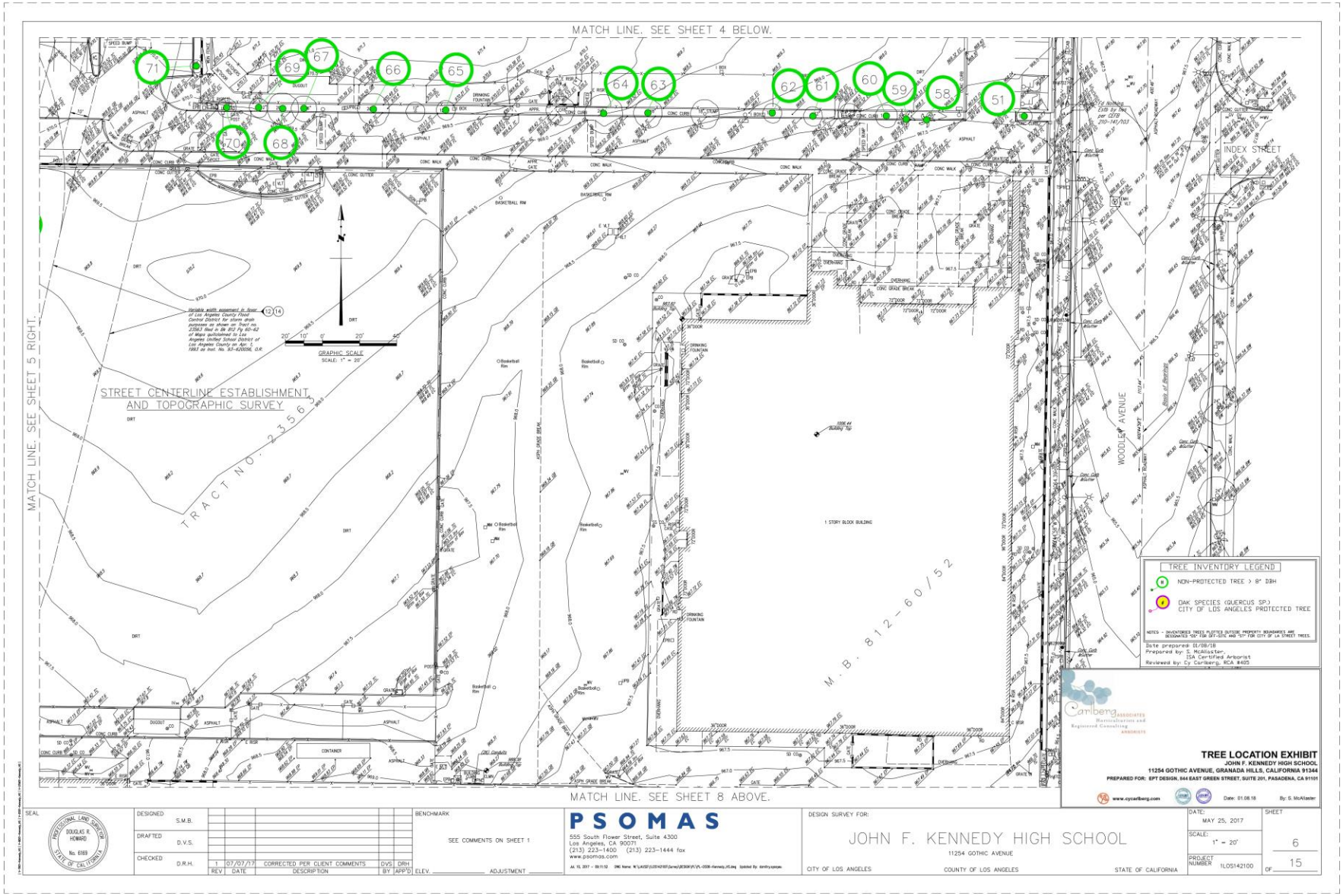
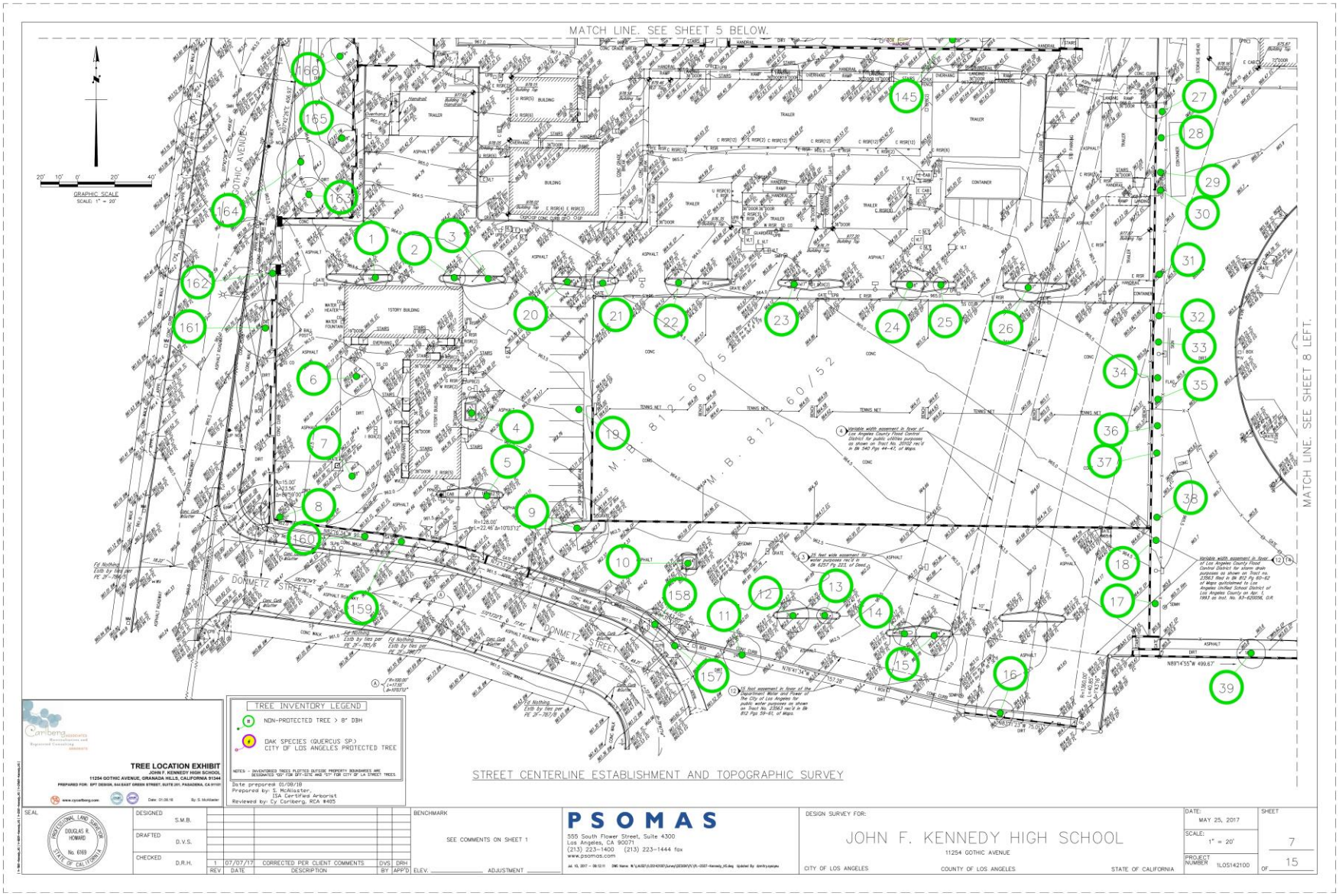
Los Angeles, CA 90071
(213) 223-1400 (213) 223-1444 fax
www.psomas.com
DESIGN SURVEY FOR:
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
CITY OF LOS ANGELES
COUNTY OF LOS ANGELES
STATE OF CALIFORNIA
DATE: MAY 25, 2017
SCALE: 1" = 20'
PROJECT NUMBER 1LOS142100
SHEET 5 OF 15


MATCH LINE. SEE SHEET 4 BELOW.
MATCH LINE. SEE SHEET 5 RIGHT.
MATCH LINE. SEE SHEET 8 ABOVE.
STREET CENTERLINE ESTABLISHMENT AND TOPOGRAPHIC SURVEY
TRACT NO. 23563
M. B. 812-60/52
1 STORY BLOCK BUILDING
WOODLEY AVENUE
INDEX STREET
GRAPHIC SCALE
SCALE: 1" = 20'
TREE INVENTORY LEGEND
NON-PROTECTED TREE > 8" DBH
OAK SPECIES (QUERCUS SP.) CITY OF LOS ANGELES PROTECTED TREE
TREE LOCATION EXHIBIT
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE, GRANADA HILLS, CALIFORNIA 91344
PREPARED FOR: EPT DESIGN, 844 EAST GREEN STREET, SUITE 201, PASADENA, CA 91101
PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 (213) 223-1444 fax
www.psomas.com
DESIGN SURVEY FOR:
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
CITY OF LOS ANGELES
COUNTY OF LOS ANGELES
STATE OF CALIFORNIA
MAY 25, 2017
1" = 20'
PROJECT NUMBER 1LOS142100
SHEET 6 OF 15


MATCH LINE. SEE SHEET 5 BELOW.
MATCH LINE. SEE SHEET 8 LEFT.
GRAPHIC SCALE
SCALE: 1" = 20'
GOTHIC AVENUE
DONMETZ STREET
M. B. 812-60/52
TREE INVENTORY LEGEND
NON-PROTECTED TREE > 8" DBH
OAK SPECIES (QUERCUS SP.) CITY OF LOS ANGELES PROTECTED TREE
TREE LOCATION EXHIBIT
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE, GRANADA HILLS, CALIFORNIA 91344
STREET CENTERLINE ESTABLISHMENT AND TOPOGRAPHIC SURVEY
PSOMAS
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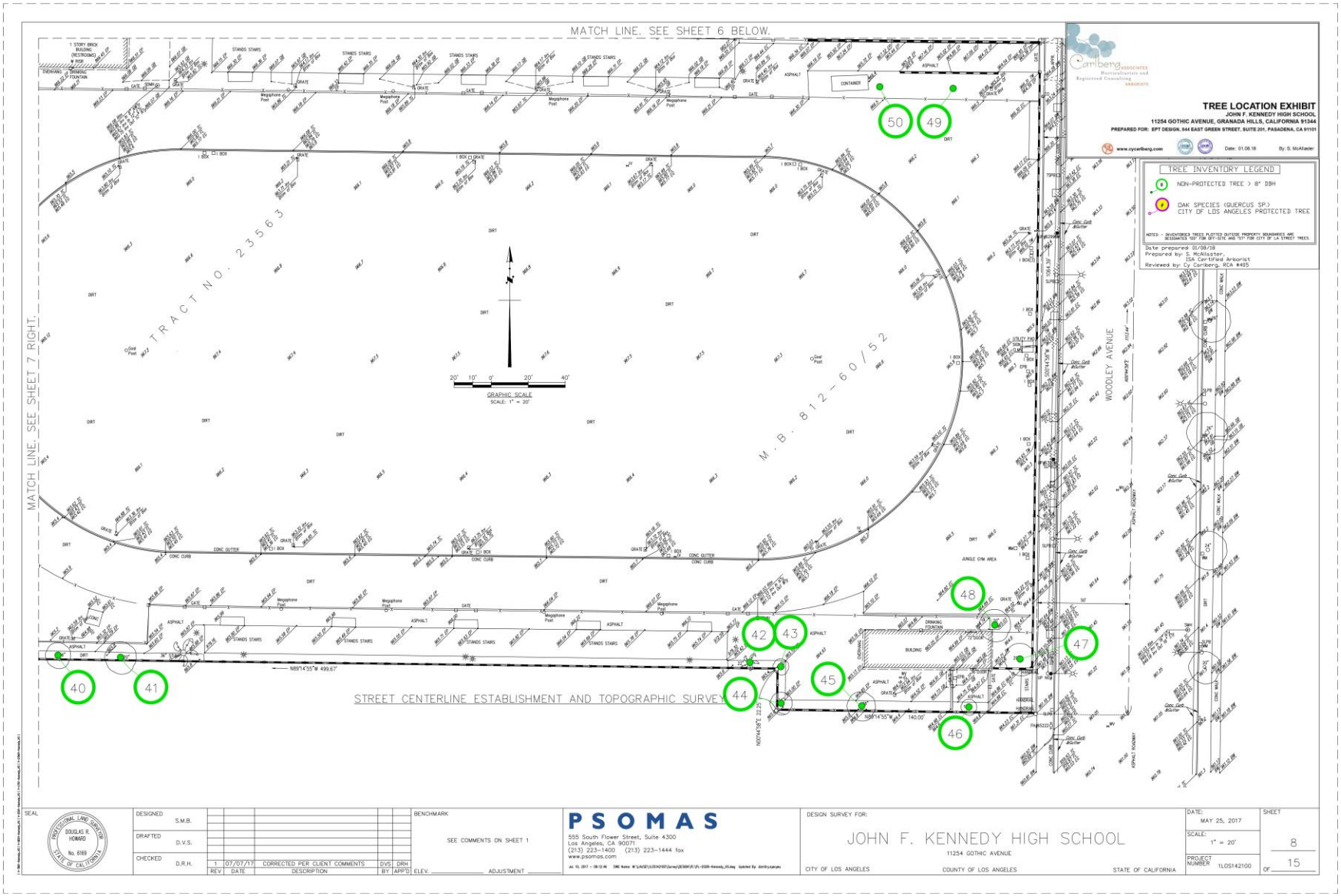
www.psomas.com
DESIGN SURVEY FOR:
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
CITY OF LOS ANGELES
COUNTY OF LOS ANGELES
STATE OF CALIFORNIA
DATE: MAY 25, 2017
SCALE: 1" = 20'
PROJECT NUMBER 1LOS142100
SHEET 7 OF 15
BENCHMARK
SEE COMMENTS ON SHEET 1
ELEV.
ADJUSTMENT
SEAL
DESIGNED S.M.B.
DRAFTED D.V.S.
CHECKED D.R.H.
REV DATE DESCRIPTION BY APP'D
1 07/07/17 CORRECTED PER CLIENT COMMENTS DVS DRH


MATCH LINE, SEE SHEET 6 BELOW.
MATCH LINE, SEE SHEET 7 RIGHT.
TRACT NO. 23563
M.B. 812-60/52
STREET CENTERLINE ESTABLISHMENT AND TOPOGRAPHIC SURVEY
WOODLEY AVENUE
TREE LOCATION EXHIBIT
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE, GRANADA HILLS, CALIFORNIA 91344
TREE INVENTORY LEGEND
NON-PROTECTED TREE > 8" DBH
OAK SPECIES (QUERCUS SP.) CITY OF LOS ANGELES PROTECTED TREE
PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
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DESIGN SURVEY FOR:
JOHN F. KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
CITY OF LOS ANGELES
COUNTY OF LOS ANGELES
STATE OF CALIFORNIA
DATE: MAY 25, 2017
SCALE: 1" = 20'
SHEET 8 OF 15
PROJECT NUMBER 1LOS142100

CAPTIONED TREE PHOTOGRAPHS

Tree #1

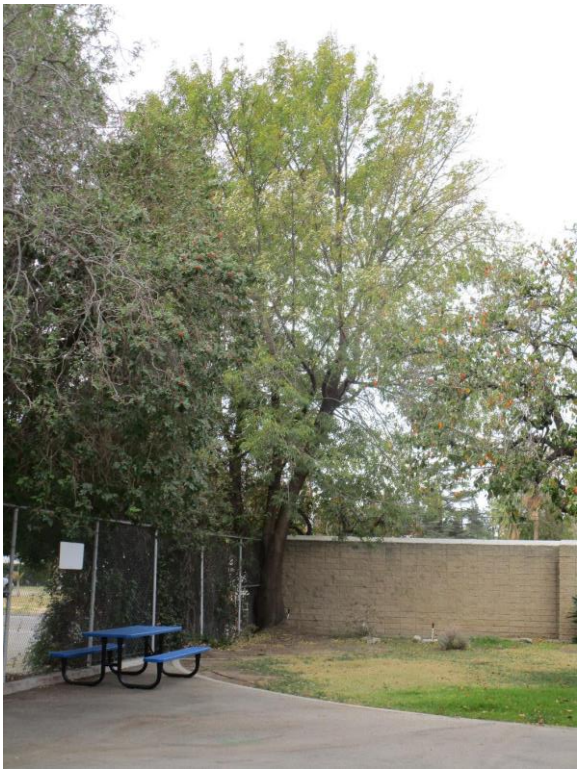
Trees #2(R) & 3(L)

Tree #4

Tree #5

Tree #6

Tree #7



Tree #8

Tree #9

Tree #10

Tree #11

Trees #12(R) & 13(L)

Trees #14(R) & 15(L)

Tree #16

Tree #17

Tree #18

Tree #19

Tree #20

Tree #21

Tree #22

Tree #23

Trees #24(R) & 25(L)

Tree #26

Tree #27

Tree #28

Tree #29

Tree #30

Tree #31

Trees #32(R) & 33(L)

Trees #34(R) & 35(L)

Trees #36(R) & 37(L)

Tree #38

Tree #39

Tree #40

Tree #41

Tree #42

Tree #43

Tree #44

Tree #45

Tree #46

Trees #47(L) & 48(R)

Tree #49

Tree #50

Tree #51

Tree #52

Tree #53

Tree #54

Tree #55

Tree #56

Tree #57

Trees #58(R) & 59(L)

Tree #60

Tree #61

Tree #62

Tree #63

Tree #64

Tree #65

Tree #66

Trees #67(R) & 68(L)

Trees #69(R) & 70(L)

Tree #71

Tree #72

Tree #73

Tree #74

Tree #75

Tree #76

Tree #77

Tree #78

Tree #79

Tree #80

Tree #81

Tree #82

Tree #83

Trees #84(R) & 85(L)

Tree #86

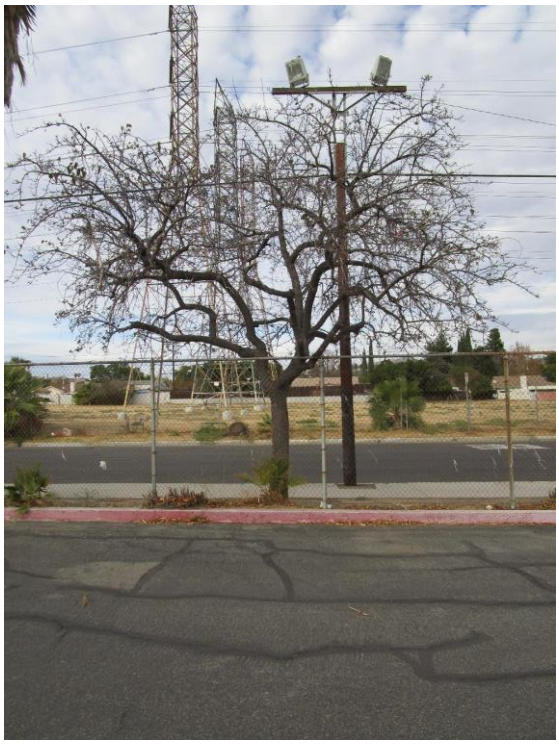
Trees #87(R) & 88(L)

Tree #89

Tree #90

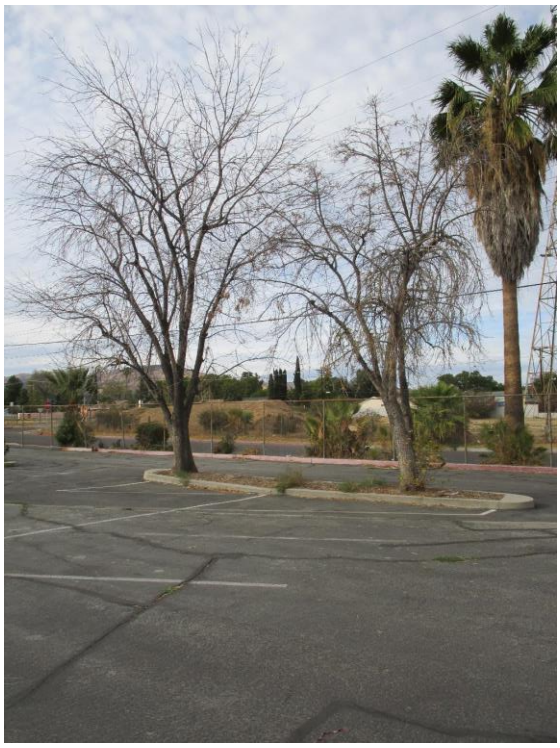
Tree #91

Tree #92



Tree #93

Tree #94



Trees #95(R) & 96(L)

Tree #97

Trees #98(R) & 99(L)

Tree #100

Tree #101

Tree #102

Trees #103(L) & 104(R)

Tree #105

Tree #106

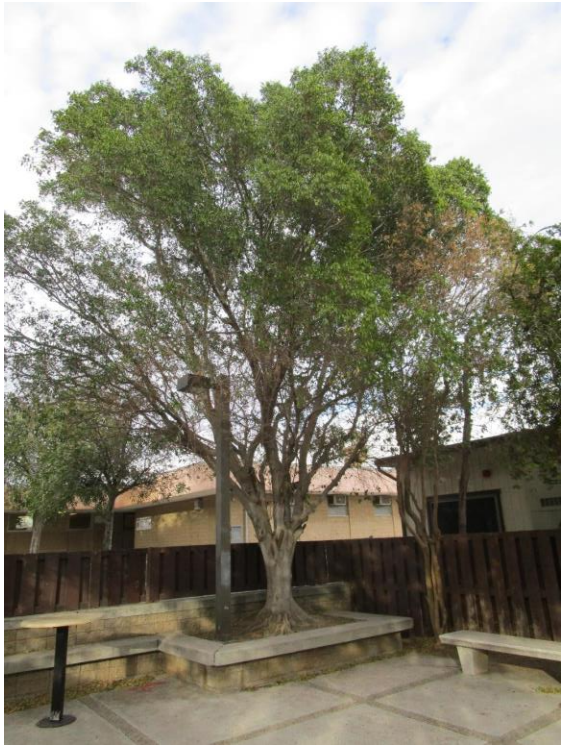
Tree #107

Tree #108

Trees #109(R), 110(C) & 111(L)

Tree #112

Tree #113



Tree #114

Tree #115

Tree #116

Tree #117

Tree #118

Tree #119

Tree #120

Tree #121

Tree #122

Tree #123

Tree #124

Tree #125

Tree #126

Tree #127

Tree #128

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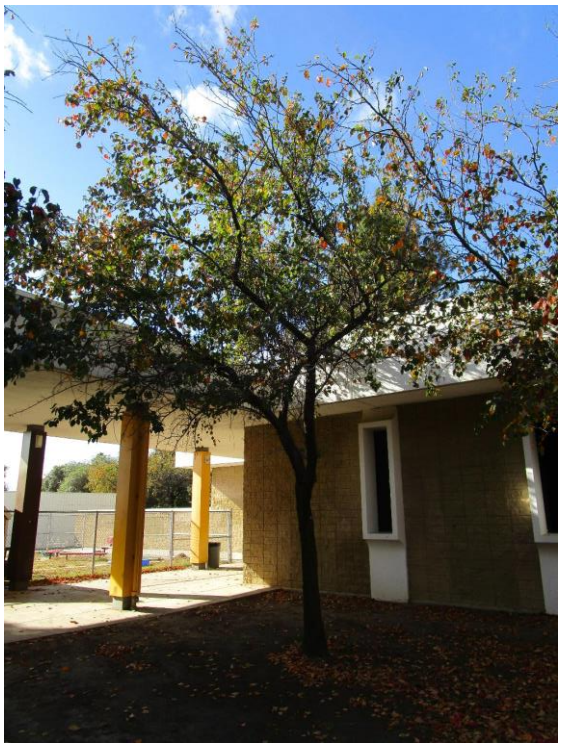
Tree #136

Tree #137

Tree #138

Tree #139



Tree #140

Tree #141

Trees #142(L) & 143(R)

Tree #144

Tree #145

Tree #146

Tree #147

Trees #148(L) & 149(R)

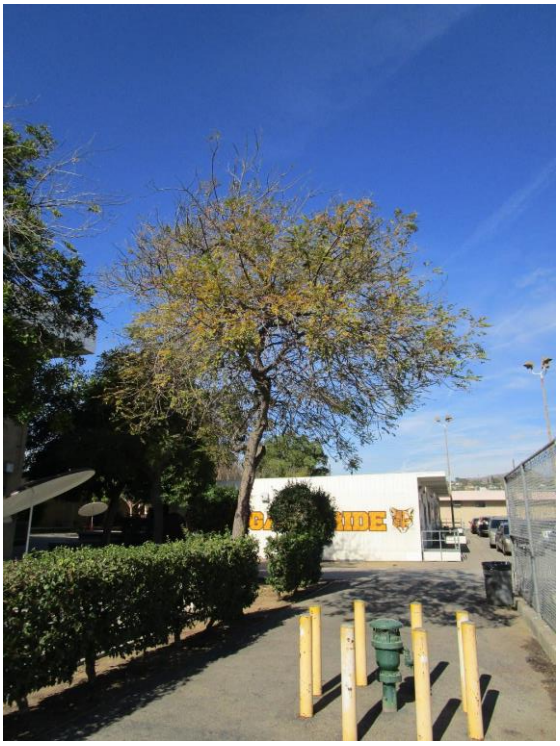
Tree #150

Tree #151

Tree #152

Tree #153

Tree #154



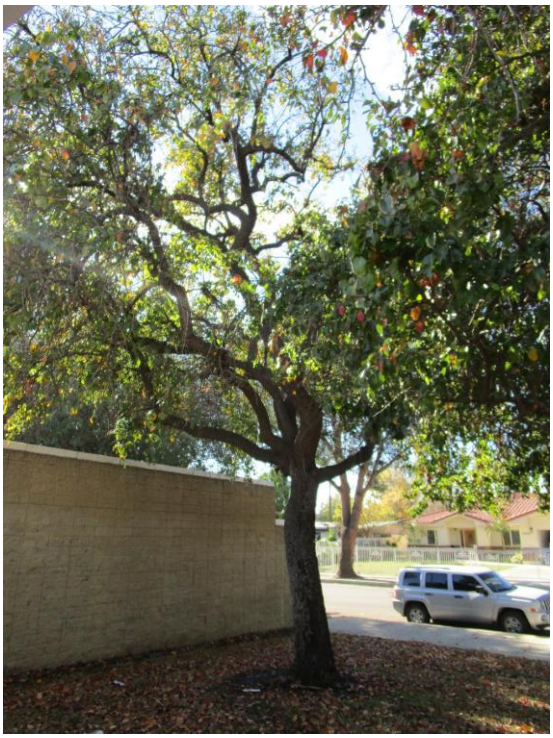
Tree #155

Tree #156

Trees #157(R) & 158(L)

Trees #159(R) & 160(L)

Trees #161(R) & 162(L)



Tree #163

Tree #164

Tree #165

Tree #166

Tree #167

Tree #168

Tree #169

Tree #170

Tree #171

Trees #172(R) & 173(L)

Tree #174

Tree #175

Tree #176

Tree #177

HEALTH AND STRUCTURE GRADE DEFINITIONS

Health and structure ratings of the trees are based on the archetype tree of the same species through a subjective evaluation of its physiological health, aesthetic quality, and structural integrity.

Overall physiological condition (health) and structural condition were rated A-F:

Health

a. Outstanding – Exceptional trees of good growth form and vigor for their age class; exhibiting very good to excellent health as evidenced by normal to exceptional shoot growth during current season, good bud development and leaf color, lack of leaf, twig or branch dieback throughout the crown, and the absence of decay, bleeding, or cankers. Common leaf and/or twig pests may be noted at very minor levels.
b. Above average – Good to very good trees that exhibit minor necrotic or physiological symptoms of stress and/or disease; shoot growth is less than reasonably expected, leaf color is less than optimal in some areas, the crown may be thinning, minor levels of leaf, twig, and branch dieback may be present, and minor areas of decay, bleeding, or cankers may be manifesting. Minor amounts of epicormic growth may be present. Minor amounts of fire damage or mechanical damage may be present. Still healthy, but with moderately diminished vigor and vitality. No significant decline noted.
c. Average – Average, moderately good trees whose growth habit and physiological or fire-induced symptoms indicate an equal chance to either decline or continue with good health into the near future. Most of these trees exhibit moderate to significant small deadwood in outer crown areas, decreased shoot growth and diminished leaf color and mass. Some stem and branch dieback is usually present and epicormic growth may be moderate to extensive. Cavities, pockets of decay, relatively significant fire damage, bark exfoliation, or cracks may be present. Moderate to significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it is expected to negatively impact the lifespan of the tree. Tree may be in early decline.
d. Below Average/Poor - trees whose growth habit and physiological or fire-induced symptoms indicate significant, irreversible decline. Most of these trees exhibit significant dieback of wood in the crown, possibly accompanied by significant epicormic sprouting. Shoot growth and leaf color and mass is either significantly diminished or nonexistent throughout the crown. Cavities, pockets of decay, significant fire damage, bark exfoliation, and/or cracks may be present. Significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it has negatively impacted the lifespan of the tree. Tree appears to be in irreversible decline.
e. Dead or in spiral of decline – this tree exhibits very little to no signs of life.

Structure

A) Outstanding – Trees with outstanding structure for their species exhibit trunk and branch arrangement and orientation that result in a sturdy form or architecture that resists failure under normal circumstances. The spacing, orientation, and size of the branches relative to the trunk are quintessential for the species and free from defects. No outward sign of decay or pathological disease is present. Some trees exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, which would preclude them from achieving an “A” grade.
B) Above average - Trees with good to very good structure for their species. They exhibit trunk and branch arrangement and orientation that result in a relatively sturdy form or architecture that resists failure under normal circumstances, but may have some mechanical damage, over-pruning, or other minor structural defects. The spacing, orientation, and size of the branches relative to the trunk are still in the normal

range for the species, but they exhibit a minor degree of defects. Minor, sub-critical levels of decay or pathological disease may be present, but the degree of damage is not yet structurally significant. Trees that exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, would generally fall in to this category. A small percentage of the canopy may be shaded or crowded, but not in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree.

C) Average - Trees with moderately good structure for their species, but with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a less than sturdy form or architecture, which reduces their resistance to failure under normal circumstances. Moderate levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of some of the branches relative to the trunk are not in the normal range for the species. Moderate to significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A moderate to significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be moderately elevated.

D) Well Below Average/Poor - Trees poor structure for their species and with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a significantly less than sturdy form or architecture, significantly reducing their resistance to failure under normal circumstances. Significant levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of many of the branches relative to the trunk are not in the normal range for the species. Significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be advanced.

E) Severely Compromised – trees with very poor structure and numerous or severe defects due to growing conditions, historical or recent pruning, mechanical damage, history of limb or trunk failures, advanced and irreparable decay, disease, or severe fire damage. Trees with this rating are in severe, irreparable decline, or are barely alive. Risk of full or partial failures in the near future may be severe.

ARBORIST DISCLOSURE STATEMENT

Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like any medicine, cannot be guaranteed.

Treatment, pruning and removal of trees may involve considerations beyond the scope of the arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the arborist. An arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees contribute greatly to our enjoyment and appreciation of life. Nonetheless, they are subject to the laws of gravity and physiological decline. Therefore, neither arborists nor tree owners can be reasonably expected to warrant unfailing predictability or elimination of risk.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.

Risk assessments were neither requested nor performed on any of the trees for this project.

CY CARLBERG
CARLBERG ASSOCIATES
2402 California Avenue, Santa Monica, California 90403
(310) 453-TREE
cy@cycarlberg.com

Education
B.S., Landscape Architecture, California State Polytechnic University, Pomona, 1985
Graduate, Arboricultural Consulting Academy, American Society of Consulting Arborists, Chicago, Illinois, 2002
Graduate, Municipal Forestry Institute, Lied, Nebraska, 2012

Experience
Consulting Arborist, Carlberg Associates, 1998-present
Manager of Grounds Services, California Institute of Technology, Pasadena, 1992-1998
Director of Grounds, Scripps College, Claremont, 1988-1992

Certificates
Certified Arborist (#WE-0575A), International Society of Arboriculture, 1990
Registered Consulting Arborist (#405), American Society of Consulting Arborists, 2002
Certified Urban Forester (#013), California Urban Forests Council, 2004
Certified Tree Risk Assessor (#1028), International Society of Arboriculture, 2011

Areas of Expertise

Ms. Carlberg is experienced in the following areas of tree management and preservation:

- Tree health and risk assessment
- Master Planning
- Tree inventories and reports to satisfy jurisdictional requirements
- Expert Testimony
- Post-fire assessment, valuation, and mitigation for trees and native plant communities
- Value assessments for native and non-native trees
- Pest and disease identification
- Guidelines for oak preservation
- Selection of appropriate tree species
- Planting, pruning, and maintenance specifications
- Tree and landscape resource mapping – GPS, GIS, and AutoCAD
- Planning Commission, City Council, and community meetings representation

Previous Consulting Experience

Ms. Carlberg has overseen residential and commercial construction projects to prevent damage to protected and specimen trees. She has thirty-five years of experience in arboriculture and horticulture and has performed tree health evaluation, value and risk assessment, and expert testimony for private clients, government agencies, cities, school districts, and colleges. Representative clients include:

The Huntington Library and Botanical Gardens
The Los Angeles Zoo and Botanical Gardens
The Rose Bowl and Brookside Golf Course, Pasadena
Walt Disney Concert Hall and Gardens
The Art Center College of Design, Pasadena
Pepperdine University
Loyola Marymount University
The Claremont Colleges (Pomona, Scripps, CMC, Harvey Mudd, Claremont Graduate University, Pitzer, Claremont University Center)
Quinn, Emanuel, Urquhart and Sullivan (attorneys at law)
The City of Claremont
The City of Beverly Hills
The City of Pasadena
The City of Los Angeles
The City of Santa Monica
Santa Monica/Malibu Unified School District
San Diego Gas & Electric
Los Angeles Department of Water and Power
Rancho Santa Ana Botanic Garden, Claremont
Latham & Watkins, LLP (attorneys at law)

Affiliations

Ms. Carlberg serves with the following national, state, and community professional organizations:

- California Urban Forests Council, Board Member, 1995-2006
- Street Tree Seminar, Past President, 2000-present
- American Society of Consulting Arborists Academy, Faculty Member, 2003-2005, 2014
- American Society of Consulting Arborists, Board of Directors, 2013-Present
- Member, Los Angeles Oak Woodland Habitat Conservation Strategic Alliance, 2010-present

SCOTT MCALLASTER

CARLBERG ASSOCIATES
Satellite Office – 80 W. Sierra Madre Blvd., #241 • Sierra Madre • California • 91024
828 Fifth Street, Suite 3 • Santa Monica • California • 90403
scott@cycarlberg.com • m: 424.285.3334 • www.cycarlberg.com

Education — B.A., Environmental Studies, University of California, Santa Barbara, 2000

Experience — Project Planner & Senior Arborist, Land Design Consultants, Inc.
Pasadena, 1999 – 2014

Certificates — Certified Arborist, WE-7011A, International Society of Arboriculture, 2004
Qualified Tree Risk Assessor, International Society of Arboriculture, 2015

AREAS OF EXPERTISE

Mr. McAllaster is experienced in the following areas of tree management and preservation:

- Tree health & risk assessments
- Inventories & reports for native and non-native trees
- Master planning
- Evaluation of trees for preservation, encroachment, relocation, restoration, and hazards
- Construction monitoring and reporting
- Value assessments (appraisals) for native and non-native trees
- Post-fire inventories, assessments, and valuations for native and non-native trees
- Guidelines for tree preservation, planting, pruning and maintenance specifications
- Tree and landscape resource mapping – GPS, GIS, and AutoCAD
- Planning Commission, City Council, and community meetings representation
- Review of landscape plans for mitigation compliance & fire fuel modification planning
- Performance of long-term mitigation compliance monitoring & reporting

PREVIOUS CONSULTING EXPERIENCE

Mr. McAllaster has performed hundreds of tree inventories, health evaluations, impact analyses, hazard, and value assessments for counties, cities, sanitation districts, and water districts, as well as private developers, architects, engineers, and homeowners. He has over 13 years of experience in arboriculture and is trained in environmental planning, state and federal regulatory permitting, preparation of CEQA analyses, and habitat mitigation planning and implementation. Representative clients include:

City of Pasadena
City of Santa Clarita
City of Glendora
Los Angeles County Fire Department
Los Angeles County Sanitation Districts
Newhall County Water District
Pulte/Centex Homes
Newhall Land and Farming
E & S Ring, Inc.
Hollywood Forever Cemetery
Archdiocese of Los Angeles
St. John's Hospital, Santa Monica
Kovac Architects
Tim Barber, Ltd., Architects
Ojai Valley Community Hospital
The Kibo Group
El Monte Garden Senior Center
IMT Capital, LLC
San Diego Gas & Electric
Corky McMillin Companies
City of South Gate
City of Arcadia
D2 Development
Burrtec, Inc.
The Claremont Colleges
The New Home Company
William Carey University
Claremont Golf Course
Universal Hilton
Gensler Architects
Marmol Radziner, Architects
NAC Architecture
Aurora/Signature Health Services
Monte Vista Grove Homes
Highpointe Communities
Claremont University Center

AFFILIATIONS

Mr. McAllaster serves with the following national and regional professional organizations:

- Member, International Society of Arboriculture, Western Chapter
- Member, Street Tree Seminar, Inc.

INSERT FULL-SIZE COPY OF
TREE LOCATION EXHIBIT - 8 SHEETS
(24” x 36” – Color)

Appendix D
Cultural Resources

Appendix

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Los Angeles Unified School District

Office of Environmental Health and Safety

AUSTIN BEUTNER
Superintendent of Schools

VIVIAN EKCHIAN
Deputy Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

January 8, 2019

Gabrieleno Band of Mission Indians –
Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393
Covina, CA, 91723
Phone: (626) 926-4131
admin@gabrielenoindians.org

Gabrielino Tongva Indians of California
Tribal Council
Robert F. Dorame, Chairperson
P.O. Box 490
Bellflower, CA 90707
Phone: (562) 761-6417
gtongva@verizon.net

Gabrieleno/Tongva San Gabriel Band
of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693
San Gabriel, CA 91778
Phone: (626) 483-3564
GTTribalcouncil@aol.com

Gabrielino-Tongva Tribe
Linda Candelaria, Chairperson
80839 Camino Santa Juliana
Indio, CA 92203
Phone: (626) 676-1184
Lcandelaria1@gabrielinotribe.org

Gabrielino/Tongva Nation
Sandonne Goad, Chairperson
106 ½ Judge John Aiso Street, #231
Los Angeles, CA 90012
Phone: (951) 807-0479
sgoad@gabrielino-tongva.com

Gabrielino-Tongva Tribe
Charles Alvarez, Councilmember
23454 Vanowen Street
West Hills, CA 91307
Phone: (310) 403-6048
roadkingcharles@aol.com

Fernandeño Tataviam Band of Mission Indians
Jairo Avila, Tribal Historic and Cultural
Preservation Officer
1019 Second Street, Suite 1
San Fernando, California 91340
Phone: (818) 837-0794
jairo.avila@tataviam-nsn.us

RE: Comprehensive Modernization Project at Various LAUSD Schools

Dear Tribal Representative:

In conformance with the tribal consultation requirements of Assembly Bill (AB) 52, this letter is to inform you that the Los Angeles Unified School District (District) is in the process of defining the scopes of 12 proposed Projects. Per AB 52, tribes have the right to consult on a proposed public or private project prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report.

The proposed Projects include 11 Comprehensive Modernizations and 1 Expansion located at the existing campuses listed below:

- 92nd Street Elementary School - 9211 Grape St, Los Angeles, CA 90002 (constructed in 1931)
- Ascot Elementary School - 1447 E 45th St, Los Angeles, CA 90011 (constructed in 1925)
- Belvedere Middle School - 312 N Record Ave, Los Angeles, CA 90063 (constructed in 1924)
- Elizabeth Learning Center - 4811 Elizabeth St, Cudahy, CA 90201 (constructed in 1932)
- Hamilton High School - 2955 S Robertson Blvd, Los Angeles, CA 90034 (constructed in 1931)
- Kennedy High School - 11254 Gothic Ave, Granada Hills, CA 91344 (constructed in 1931)
- Lincoln High School - 3501 N Broadway, Los Angeles, CA 90031 (constructed in 1937)
- McKinley Elementary School - 7812 McKinley Ave, Los Angeles, CA 90001 (constructed in 1925)
- Playa Vista Elementary School - 13150 Bluff Creek Dr, Playa Vista, CA 90094 (constructed in 2002)
- Reseda High School - 18230 Kittridge St, Reseda, CA 91335 (constructed in 1955)
- Shenandoah Elementary School - 2450 S Shenandoah St, Los Angeles, CA 90034 (constructed in 1940)
- Taft High School - 5461 Winnetka Ave, Woodland Hills, CA 91364 (constructed in 1960)

The proposed Comprehensive Modernization Projects may include the following activities:

- Retrofit, modernization or replacement of administrative, classroom, and/or any other buildings to improve seismic safety and support the educational program;
- The removal or replacement of classrooms in relocatable buildings with new permanent classrooms;
- The repair, upgrade or replacement of the remaining permanent buildings to address the failing or broken building systems, infrastructure or components;
- Improvements to interior conditions of classroom buildings such as painting, flooring and window treatments;
- Upgrades to the site infrastructure including sanitary sewer, water, and electrical utility;
- Site-wide upgrades to remove identified and prioritized barriers to program accessibility; and/or
- Improvements to landscape, hardscape, and exterior paint.

The proposed Expansion Project located at Playa Vista Elementary School may include the addition of new classrooms as well as furnishing and equipping new and converted facilities.

You have 30 calendar days from receipt of this letter to notify the District in writing that you want to consult with the District on a particular Project listed above.

Please email your request to Christy Wong at cp-christy.wong@lausd.net and Eimon Smith at eimon.smith@lausd.net.

Attachment:
Proposed Location Map

Wong, Christy

From: Jairo Avila <jairo.avila@tataviam-nsn.us>
Sent: Tuesday, January 29, 2019 9:52 PM
To: Wong, Christy
Cc: Smith, Eimon
Subject: FTBMI AB52 Comprehensive Modernization LAUSD

Tribal Historic & Cultural Preservation Department

Project: ***Comprehensive Modernization Project at Various LAUSD Schools***
Address:
Kennedy High School - 11254 Gothic Ave, Granada Hills, CA 91344
Reseda High School - 18230 Kittridge St, Reseda CA 91335
Taft High School- 5461 Winnetka Ave, Woodland Hills, CA 91364

Hello Christy,

On behalf of the Tribal Historic and Cultural Preservation (THCP) Department of the Fernandeño Tataviam Band of Mission Indians (FTBMI), thank you for the formal notification and opportunity to consult on the proposed Projects referenced above. This message constitutes a formal request for Tribal consultation under the provisions of the California Environmental Quality Act (CEQA) (as amended, 2015) and CA Public Resources Code section 21080.3.1.

The proposed Projects involve the modernization or expansion of 12 LAUSD campuses, three of which fall within the traditional Tataviam ancestral territory, which encompasses the lineage-villages from which members of the Tribe descend. Our records indicate the presence of significant cultural resources within distance of the three Project locations. Although cultural resources have not been reported within the Project area, the range of archaeological sites and isolate artifacts that have been documented throughout the region warrant precautions when proposing any ground disturbing activities.

At this point in time, the THCP Department is interested in knowing more about the types of modernization plans within the three project areas, including if ground disturbing activities are being proposed and the extent of grading and excavation. In order to have a better understanding of the projects and provide the proper comments and recommendations regarding cultural resources, the THCP Department would like to review the following information and documents:

- Excavation Plans (Should indicate depth of proposed excavations)
- Geotechnical Report (IF AVAILABLE: Should indicate soil conditions. i.e., Native, disturbed, fill)
- Any Environmental Impact or Archaeological Investigation Report (If available)

Since the archaeology of this region is not well defined, the FTBMI would like to assure that all cultural materials on the surface and subsurface (if any) and any inadvertent discovery, is properly documented, salvaged, and protected. I appreciate your time and look forward to further information on these projects.

Respectfully,
--
Jairo F. Avila, M.A., RPA.
Tribal Historic and Cultural Preservation Officer

Fernandeño Tataviam Band of Mission Indians
1019 Second Street, Suite 1
San Fernando, California 91340
Office: (818) 837-0794
Website: http://www.tataviam-nsn.us

Wong, Christy

From: Administration Gabrieleno <admin@gabrielenoindians.org>
Sent: Wednesday, January 9, 2019 2:26 PM
To: Wong, Christy
Subject: Re: Comprehensive Modernization Project at Various LAUSD Schools

Hello Christy

We would like to consult on all 12 projects.
Thank you

Sincerely,

Brandy Salas

On Wed, Jan 9, 2019 at 2:07 PM Administration Gabrieleno <admin@gabrielenoindians.org> wrote:

> Hello Christy
>
> I will show Mr. Salas and have him review the 12 projects.
> Thank you
>
> Sincerely,
>
> Brandy Salas
>
> On Wed, Jan 9, 2019 at 1:57 PM Administration Gabrieleno <admin@gabrielenoindians.org> wrote:
>
> > Hello Christy
> >
> > I believe it is regarding the Comprehensive Modernization Project at Various LAUSD Schools
> >
> > On Wed, Jan 9, 2019 at 1:43 PM Wong, Christy <cp-christy.wong@lausd.net> wrote:
> >
> > > Hi Brandy,
> > >
> > > Is there a particular school that is of interest?
> > >
> > > Thank you,

Christy Wong

Assistant CEQA Project Manager

LAUSD | Office of Environmental Health & Safety

Contract Professional

333 S. Beaudry Avenue, 21st Floor

Los Angeles, CA 90017

Office: 213.241.3394

Cell: 415.350.2538

cp-christy.wong@lausd.net

From: Administration Gabrieleno [mailto:admin@gabrielenoindians.org]
Sent: Wednesday, January 9, 2019 1:10 PM
To: Wong, Christy
Subject: Re: Comprehensive Modernization Project at Various LAUSD Schools

Hello Christy

If the above project involves any type of ground disturbance our tribal government would like to consult with your lead agency.

Thank you

Sincerely,

Brandy Salas

On Tue, Jan 8, 2019 at 10:15 AM Wong, Christy <cp-christy.wong@lausd.net> wrote:

> Good Morning,

In conformance with the tribal consultation requirements of Assembly Bill (AB) 52, this letter is to inform you that the Los Angeles Unified School District (District) is in the process of defining the scopes of 12 proposed Projects. Per AB 52, tribes have the right to consult on a proposed public or private project prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report.

Please see attached letter for further details.

Thank you,

Christy Wong

Assistant CEQA Project Manager

LAUSD | Office of Environmental Health & Safety

Contract Professional

333 S. Beaudry Avenue, 21st Floor

Los Angeles, CA 90017

Office: 213.241.3394

Cell: 415.350.2538

cp-christy.wong@lausd.net

Erica Nicolay

From: Erica Nicolay
Sent: Monday, February 11, 2019 11:20 AM
To: NAHC@NAHC
Cc: Linda Kry
Subject: SLF Search and Consultation List Request- Kennedy HS Project 10319
Attachments: Dudek LAUSD Kennedy-SLF Request.pdf

To whom it may concern,

Please find attached the SLF Search and Consultation List Request for the LAUSD Kennedy High School Project (PN 10319). The proposed project includes renovation of the 27.4 acre campus of John F. Kennedy High School at 11254 Gothic Avenue in Granada Hills, California. The project is part of LAUSD's Comprehensive Modernization Project and includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades.

If you have any comments or concerns please contact me,

Erica Nicolay, MA
Archaeologist

DUDEK
38 North Marengo Avenue
Pasadena, California 91101
O: 626.204.9830
C: 760.936.7952
Ext. 5230
www.dudek.com

Sacred Lands File & Native American Contacts List Request

NATIVE AMERICAN HERITAGE COMMISSION
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95501
(916) 373-3710
(916) 373-5471 – Fax
nahc@nahc.ca.gov

Information Below is Required for a Sacred Lands File Search

Project: LAUSD Kennedy High School Project (10319)

County: Los Angeles

USGS Quadrangle

Name: San Fernando, CA (see attached map)

Township: 2N Range: 15W Section(s): 7

Company/Firm/Agency:

Dudek

Contact Person: Erica Nicolay

Street Address: 38 North Marengo Avenue

City: Pasadena Zip: 91101

Phone: (760) 936-7952 Extension: N/A

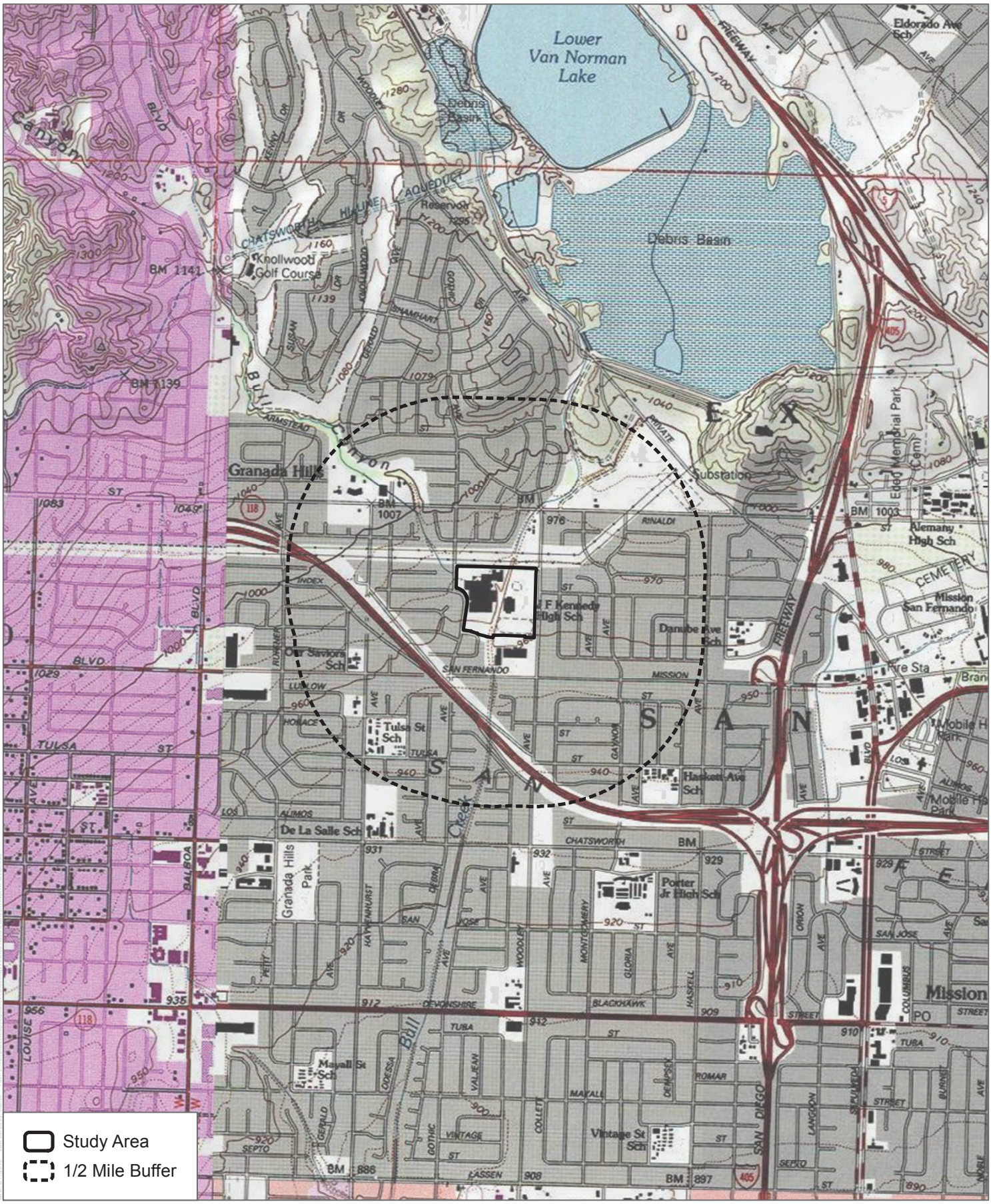
Fax: (760) 632-0164

Email: enicolay@dudek.com

Project Description:

The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School in Granada Hills, California as part of LAUSD's Comprehensive Modernization Project. The proposed project is designed to address the most critical physical concerns and essential safety issues of at Kennedy HS, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades.

☑ Project Location Map is attached



SOURCE: SOURCE: USGS 7.5-Minute Series San Fernando Quadrangle
Township 2N; Range 15W; Sections 5, 6, 7, 8

DUDEK

0 1,000 2,000 Feet
0 285 570 Meters
1:24,000

Records Search

LAUSD Kennedy High School MND

NATIVE AMERICAN HERITAGE COMMISSION
Cultural and Environmental Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
Phone: (916) 373-3710
Email: nahc@nahc.ca.gov
Website: http://www.nahc.ca.gov
Twitter: @CA_NAHC

February 13, 2019

Erica Nicolay
Dudek

VIA Email to: enicolay@dudek.com

RE: LAUSD Kennedy High School Project, Los Angeles County

Dear Ms. Nicolay:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were positive. Please contact the Gabrieleno Band of Mission Indians – Kizh Nation on the attached list for more information. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information. If you have any questions or need additional information, please contact me at my email address: steven.quinn@nahc.ca.gov.

Sincerely,

Steven Quinn
Associate Governmental Program Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Los Angeles County
2/13/2019

Barbareno/ Ventureno Band of Mission Indians
Raudel Banuelos,
331 Mira Flores — Chumash
Camarillo, CA, 93012
Phone: (805) 427 - 0015

Barbareno/ Ventureno Band of Mission Indians
Eleanor Arrellanes,
P. O. Box 5687 — Chumash
Ventura, CA, 93005
Phone: (805) 701 - 3246

Barbareno/ Ventureno Band of Mission Indians
Patrick Tumamait,
992 El Camino Corto — Chumash
Ojai, CA, 93023
Phone: (805) 216 - 1253

Barbareno/Ventureno Band of Mission Indians
Julie Tumamait-Stennslie, Chairperson
365 North Poli Ave — Chumash
Ojai, CA, 93023
Phone: (805) 646 - 6214
jtumamait@hotmail.com

Chumash Council of Bakersfield
Julio Quair, Chairperson
729 Texas Street — Chumash
Bakersfield, CA, 93307
Phone: (661) 322 - 0121
chumashtribe@sbcglobal.net

Coastal Band of the Chumash Nation
Gino Altamirano, Chairperson
P. O. Box 4464 — Chumash
Santa Barbara, CA, 93140
cbcn.consultation@gmail.com

Fernandeno Tataviam Band of Mission Indians
Beverly Salazar Folkes, Elders Council
1931 Shady Brooks Drive — Tataviam
Thousand Oaks, CA, 91362
Phone: (805) 558 - 1154
folkes9@msn.com

Fernandeno Tataviam Band of Mission Indians
Alan Salazar, Chairman Elders Council
1019 Second St., Suite 1 — Tataviam
San Fernando, CA, 91340
Phone: (805) 423 - 0091

Fernandeno Tataviam Band of Mission Indians
Jairo Avila, Tribal Historic and Cultural Preservation Officer
1019 Second Street, Suite 1 — Tataviam
San Fernando, CA, 91340
Phone: (818) 837 - 0794
Fax: (818) 837-0796
jairo.avila@tataviam-nsn.us

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393 — Gabrieleno
Covina, CA, 91723
Phone: (626) 926 - 4131
admin@gabrielenoindians.org

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 — Gabrieleno
San Gabriel, CA, 91778
Phone: (626) 483 - 3564
Fax: (626) 286-1262
GTTribalcouncil@aol.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 Resource 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 LAUSD Kennedy High School Project, Los Angeles County.

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231 — Gabrielino
Los Angeles, CA, 90012
Phone: (951) 807 - 0479
sgoad@gabrielino-tongva.com

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490 — Gabrielino
Bellflower, CA, 90707
Phone: (562) 761 - 6417
Fax: (562) 761-6417
gtongva@gmail.com

Gabrielino-Tongva Tribe
Charles Alvarez,
23454 Vanowen Street — Gabrielino
West Hills, CA, 91307
Phone: (310) 403 - 6048
roadkingcharles@aol.com

Northern Chumash Tribal Council
Fred Collins, Spokesperson
P.O. Box 6533 — Chumash
Los Osos, CA, 93412
Phone: (805) 801 - 0347
fcollins@northernchumash.org

San Fernando Band of Mission Indians
Donna Yocum, Chairperson
P.O. Box 221838 — Kitanemuk
Newhall, CA, 91322 — Vanyume
Phone: (503) 539 - 0933 — Tataviam
Fax: (503) 574-3308
ddyocum@comcast.net

San Luis Obispo County Chumash Council
Mark Vigil, Chief
1030 Ritchie Road — Chumash
Grover Beach, CA, 93433
Phone: (805) 481 - 2461
Fax: (805) 474-4729

Santa Ynez Band of Chumash Indians
Kenneth Kahn, Chairperson
P.O. Box 517 — Chumash
Santa Ynez, CA, 93460
Phone: (805) 688 - 7997
Fax: (805) 686-9578
kkahn@santaynezchumash.org

yak tityu tityu yak tiłhini – Northern Chumash Tribe
Mona Tucker, Chairperson
660 Camino Del Rey — Chumash
Arroyo Grande, CA, 93420
Phone: (805) 748 - 2121
olivas.mona@gmail.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 Resource 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 LAUSD Kennedy High School Project, Los Angeles County.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Lee Clauss
San Manuel Band of Mission Indians
26569 Community Center Dr.
Highland, CA 92346

9590 9402 4591 8278 8800 06

2. Article Number (Transfer from service label)
7018 1830 0000 8046 7548

PS Form 3811, July 2015 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by (Printed Name) — C. Date of Delivery: 12/10/18

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☑ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Robert Martin
Morongo Band of Mission Indians
12700 Pumarra Rd.
Banning, CA 92220

9590 9402 4086 8092 2932 14

2. Article Number (Transfer from service label)
7018 1830 0000 8046 7531

PS Form 3811, July 2015 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☑ Agent
☐ Addressee

B. Received by (Printed Name): V. McDaniel — C. Date of Delivery: 12-10-18

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☑ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

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- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Lynn Valbuena
San Manuel Band of Mission Indians
26569 Community Center Dr.
Highland, CA 92346

9590 9402 4086 8092 2932 38

2. Article Number (Transfer from service label)
7018 1830 0000 8046 7517

PS Form 3811, July 2015 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
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☐ Agent
☐ Addressee

B. Received by (Printed Name) — C. Date of Delivery: 12/10/18

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☑ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Goldie Walker
Serrano Nation of Mission Indians
P.O. Box 343
Patton, CA 92369

9590 9402 4086 8092 2932 21

2. Article Number (Transfer from service label)
7018 1830 0000 8046 7524

PS Form 3811, July 2015 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by (Printed Name) — C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☑ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

7018 1830 0000 8046 7517

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
OFFICIAL USE

Certified Mail Fee $
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) $
☐ Return Receipt (electronic) $
☐ Certified Mail Restricted Delivery $
☐ Adult Signature Required $
☐ Adult Signature Restricted Delivery $
Postage $
Total Postag $
Postmark Here

Sent To: Lynn Valbuena
Street and Ap: San Manuel Band of Mission Indians
City, State, Z: 26569 Community Center Dr.
Highland, CA 92346

PS Form 38 ...ons

7018 1830 0000 8046 7531

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
OFFICIAL USE

Certified Mail Fee $ 3.45
Extra Services & Fees (check box, add fee as appropriate) $ 2.75
☐ Return Receipt (hardcopy) $
☐ Return Receipt (electronic) $
☐ Certified Mail Restricted Delivery $
☐ Adult Signature Required $
☐ Adult Signature Restricted Delivery $
Postage $ 2.05
Total Postag $ 8.25
Postmark Here

Sent To: Robert Martin
Street and A: Morongo Band of Mission Indians
City, State, Z: 12700 Pumarra Rd.
Banning, CA 92220

PS Form 38 ...ons

7018 1830 0000 8046 7524

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
OFFICIAL USE

Certified Mail Fee $
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) $
☐ Return Receipt (electronic) $
☐ Certified Mail Restricted Delivery $
☐ Adult Signature Required $
☐ Adult Signature Restricted Delivery $
Postage $
Total Postage
Postmark Here

Sent To: Goldie Walker
Street and Apt.: Serrano Nation of Mission Indians
City, State, ZIP: P.O. Box 343
Patton, CA 92369

PS Form 3800

7018 1830 0000 8046 7548

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
OFFICIAL USE

Certified Mail Fee $ 3.45
Extra Services & Fees (check box, add fee as appropriate) $ 2.75
☐ Return Receipt (hardcopy) $
☐ Return Receipt (electronic) $
☐ Certified Mail Restricted Delivery $
☐ Adult Signature Required $ .47
☐ Adult Signature Restricted Delivery $
Postage $ 6.67
Total Postage
Postmark Here 10728.03

Sent To: Lee Clauss
Street and Apt.: San Manuel Band of Mission Indians
City, State, ZIP: 26569 Community Center Dr.
Highland, CA 92346

PS Form 3800

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Mr. Charles Alvarez, Councilman
Gabrieleno Tongva Tribe
23454 Vanowen St.
West Hills, CA 91307

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Alvarez:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

A California Historical Resources Information System (CHRIS) records search was completed at the South Central Coastal Information Center (SCCIC) for the proposed project area and a half-mile radius. The records search identified three resources within the record search area; none of which are within the proposed project area. The resources include one groundstone and lithic scatter, the Van Norman Reservoir Archeological district, and the historic Bull Creek Extension Channel.

Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on February 13, 2019, stating that the results of the SLF search was positive, though they did not indicate whether any Native American cultural resources had been identified within the proposed project area.

The NAHC recommended that we contact you regarding your knowledge of the presence of cultural resources that may be impacted by the proposed project. If you have any knowledge of cultural resources that may exist within or near the proposed project area, please contact me directly at the phone number listed below, enicolay@dudek.com, or at 38 North Marengo Avenue, Pasadena, CA, 91101 within 30 days of receipt of this letter.

Please note that the request herein is for informational purposes only and does not constitute Assembly Bill (AB) 52 notification or initiation of consultation. All information provided will be considered confidential and not shared with the public.

Thank you for your assistance.

Sincerely,

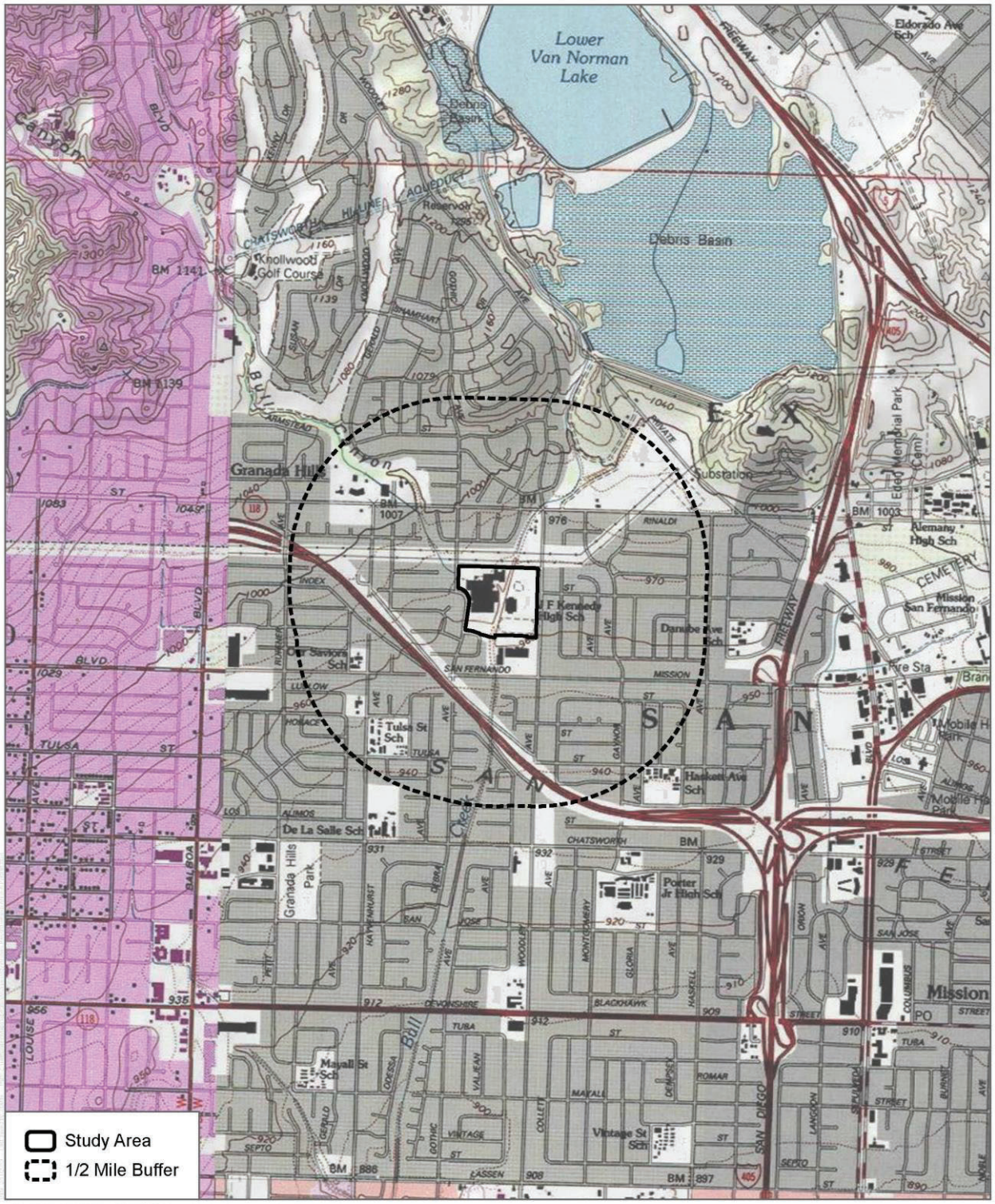
Erica Nicolay, MA
Archaeologist

DUDEK
Cell: 760.936.7952

Attachments: Figure 1

Mr. Alvarez:

Subject: Kennedy High School Comprehensive Modernization Project, City of Los Angeles, Los Angeles County, California



SOURCE: SOURCE: USGS 7.5-Minute Series San Fernando Quadrangle
Township 2N; Range 15W; Sections 5, 6, 7, 8

DUDEK

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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Ms. Eleanor Arrellanes,
Barbareno/Ventureno Band of Mission Indians
P.O. Box 5687
Ventura, CA 93012

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Ms. Arrellans:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

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Thank you for your assistance.

Sincerely,

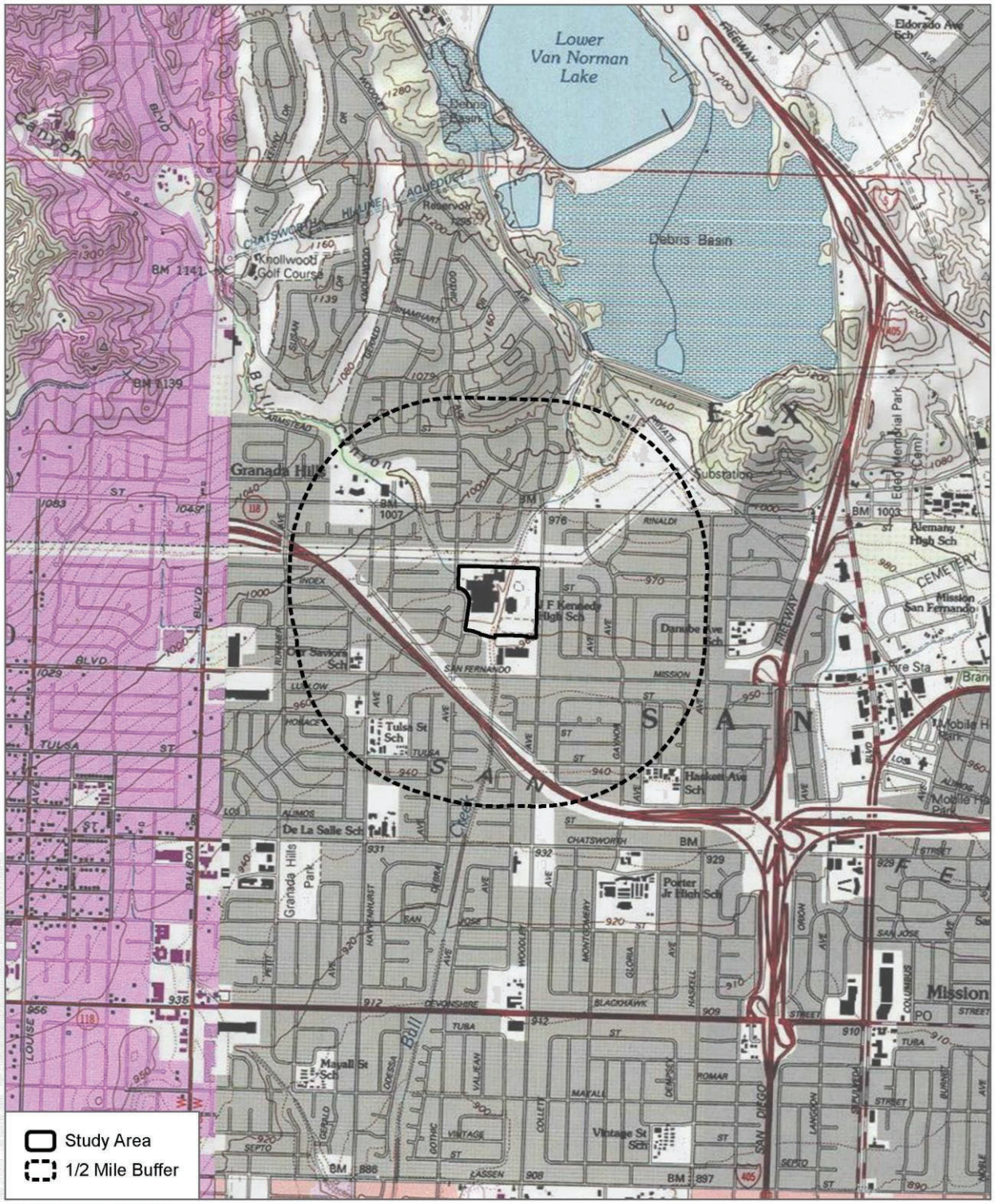
Erica Nicolay, MA
Archaeologist

DUDEK
Cell: 760.936.7952

Attachments: Figure 1

Ms. Arrellans:

Subject: Kennedy High School Comprehensive Modernization Project, City of Los Angeles, Los Angeles County, California



SOURCE: SOURCE: USGS 7.5-Minute Series San Fernando Quadrangle
Township 2N; Range 15W; Sections 5, 6, 7, 8

DUDEK

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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 13, 2019 103194

Mr. Jairo Avila, Tribal Historic and Cultural Preservation Officer
Fernandeno Tataviam Band of Mission Indians
1019 Second Street, Suite 1
San Fernando, CA 91304

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Avila:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

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Thank you for your assistance.

Sincerely,

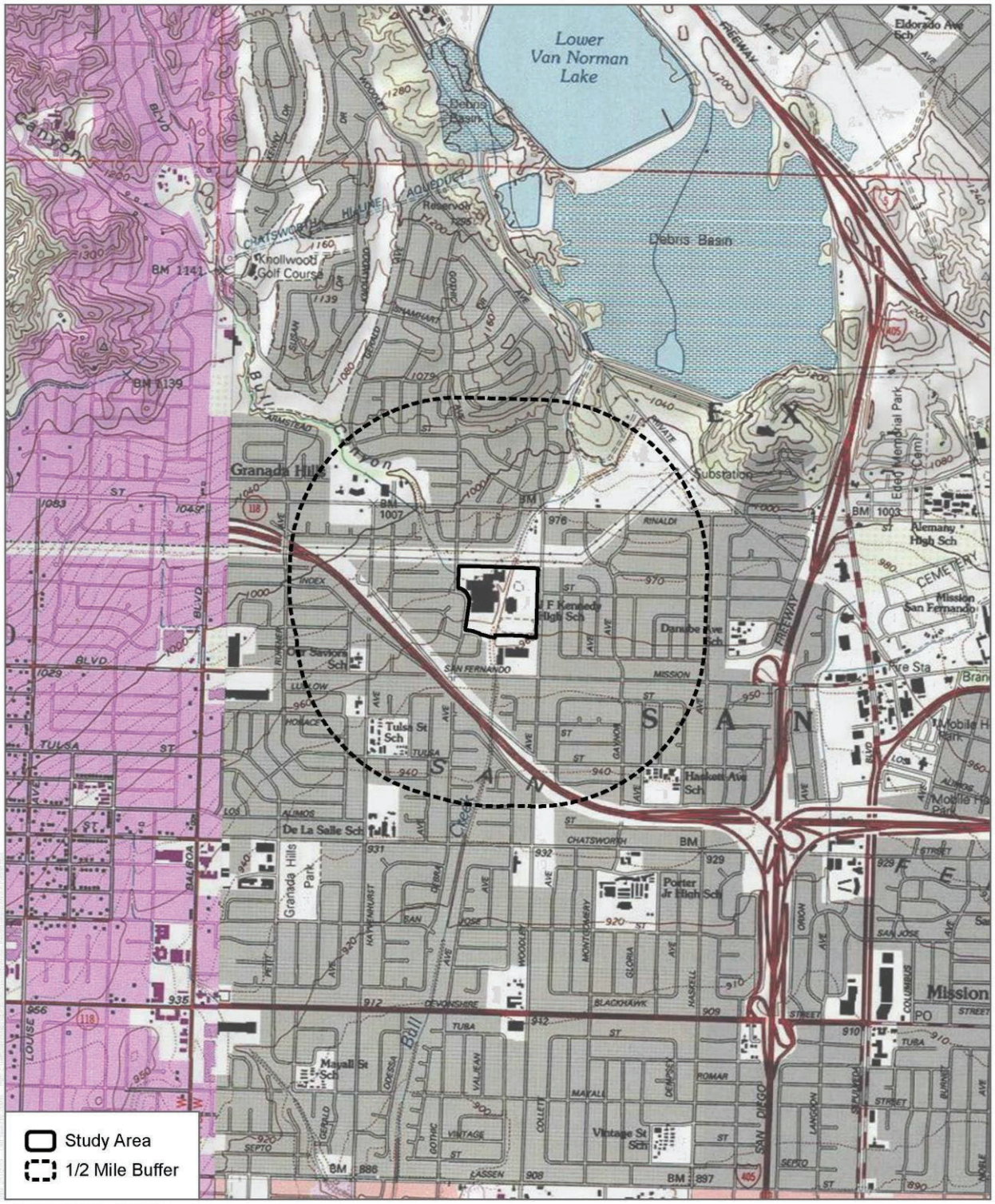
Erica Nicolay, MA
Archaeologist

DUDEK
Cell: 760.936.7952

Attachments: Figure 1

Mr. Avila:

Subject: Kennedy High School Comprehensive Modernization Project, City of Los Angeles, Los Angeles County, California



SOURCE: SOURCE: USGS 7.5-Minute Series San Fernando Quadrangle
Township 2N; Range 15W; Sections 5, 6, 7, 8

DUDEK

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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Mr. Raudel Banuelos,
Barbareno/Ventureno Band of Mission Indians
331 Mira Flores
Camarillo, CA 93012

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Banuelos:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

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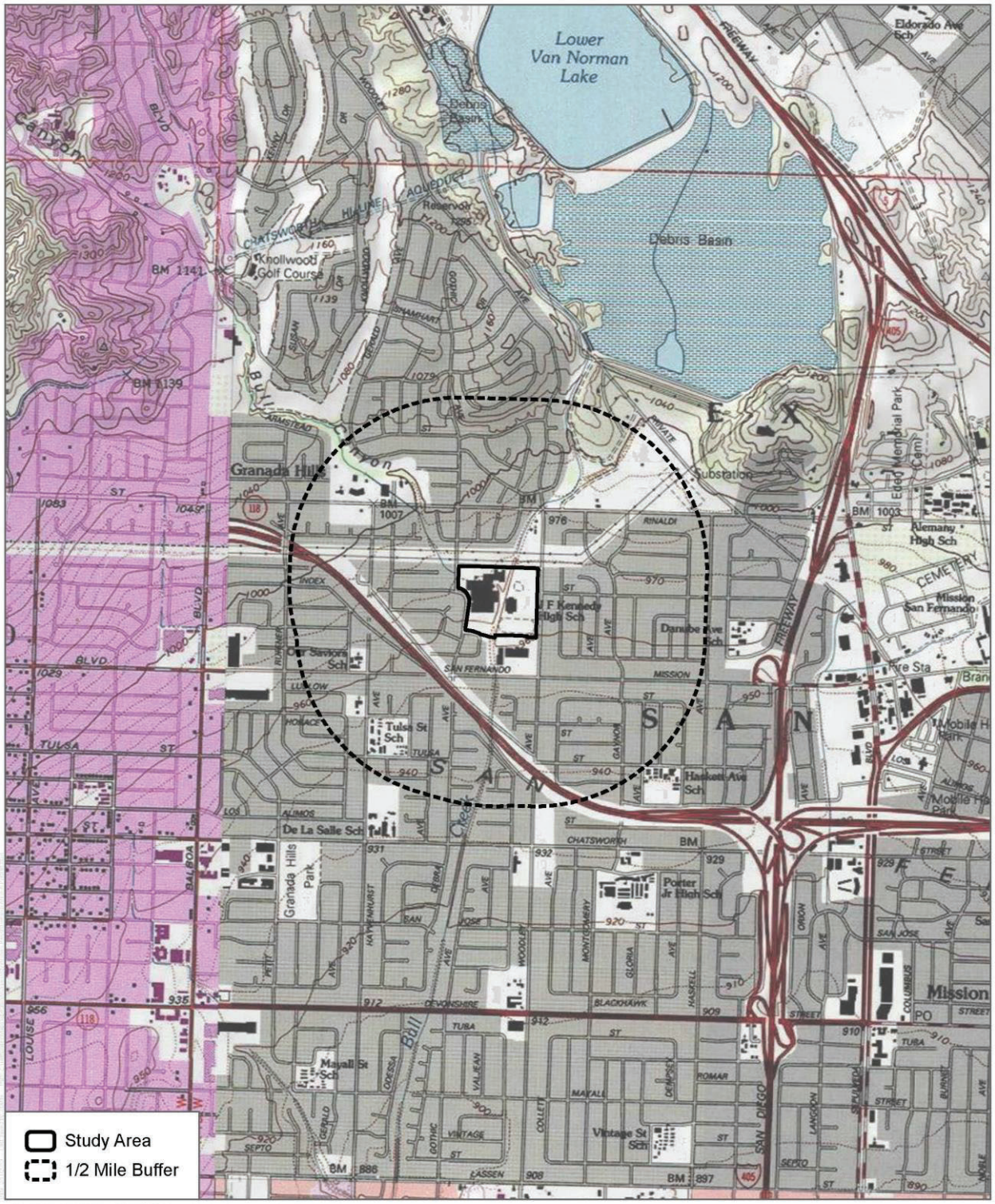
Archaeologist

DUDEK
Cell: 760.936.7952

Attachments: Figure 1



SOURCE: SOURCE: USGS 7.5-Minute Series San Fernando Quadrangle
Township 2N; Range 15W; Sections 5, 6, 7, 8

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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Mr. Fred Collins, Spokesperson
Northern Chumash Tribal Council
67 South Street
San Luis Obispo, CA 93401

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Collins:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

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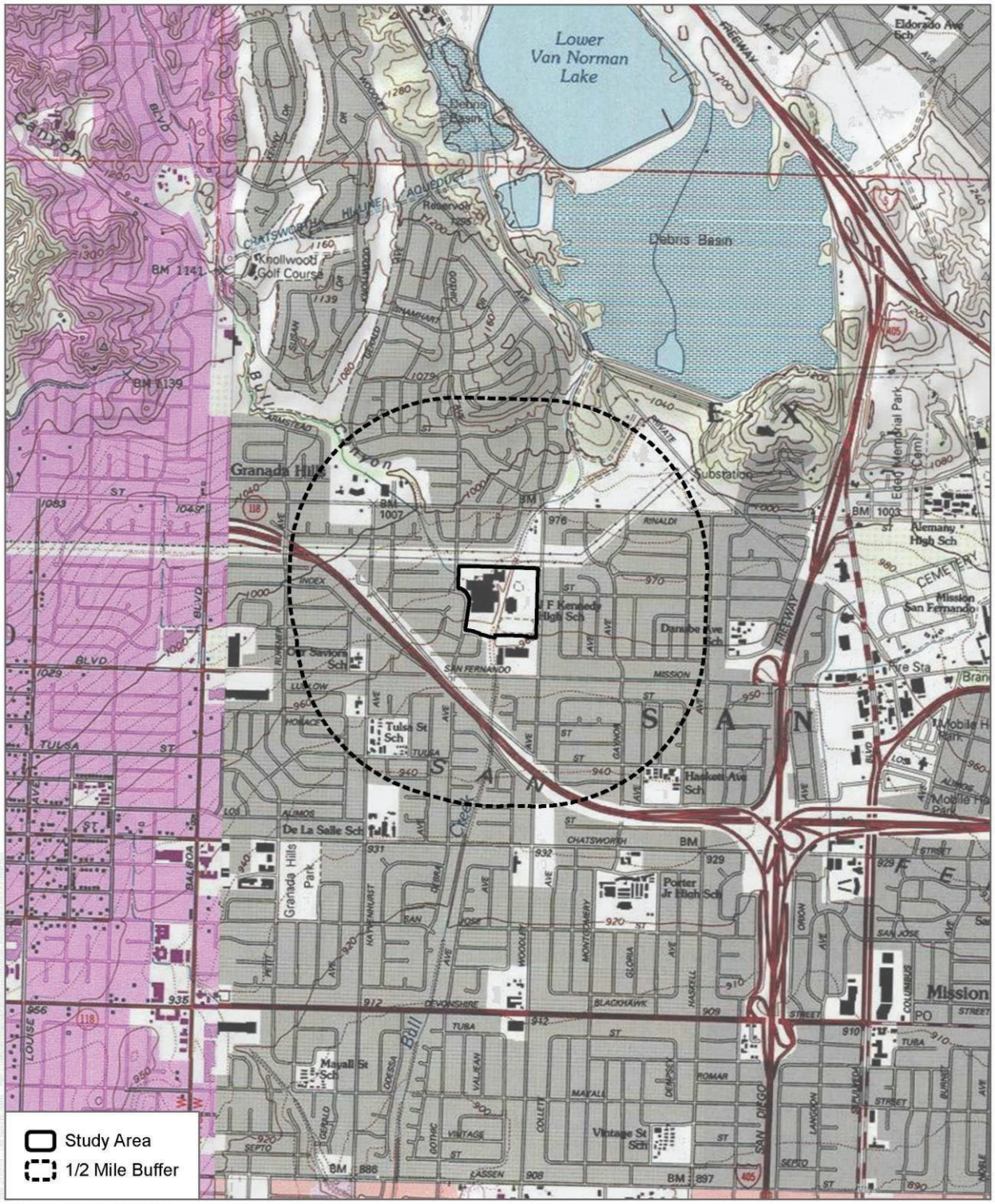
Erica Nicolay, MA
Archaeologist

DUDEK
Cell: 760.936.7952

Attachments: Figure 1

Mr. Collins:

Subject: Kennedy High School Comprehensive Modernization Project, City of Los Angeles, Los Angeles County, California



SOURCE: SOURCE: USGS 7.5-Minute Series San Fernando Quadrangle
Township 2N; Range 15W; Sections 5, 6, 7, 8

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1:24,000

Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Mr. Robert F. Dorame, Tribal Chair/Cultural Resources
Gabrielino Tongva Indians of California Tribal Council
P.O. Box 490
Bellflower, CA 90707

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Dorame:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

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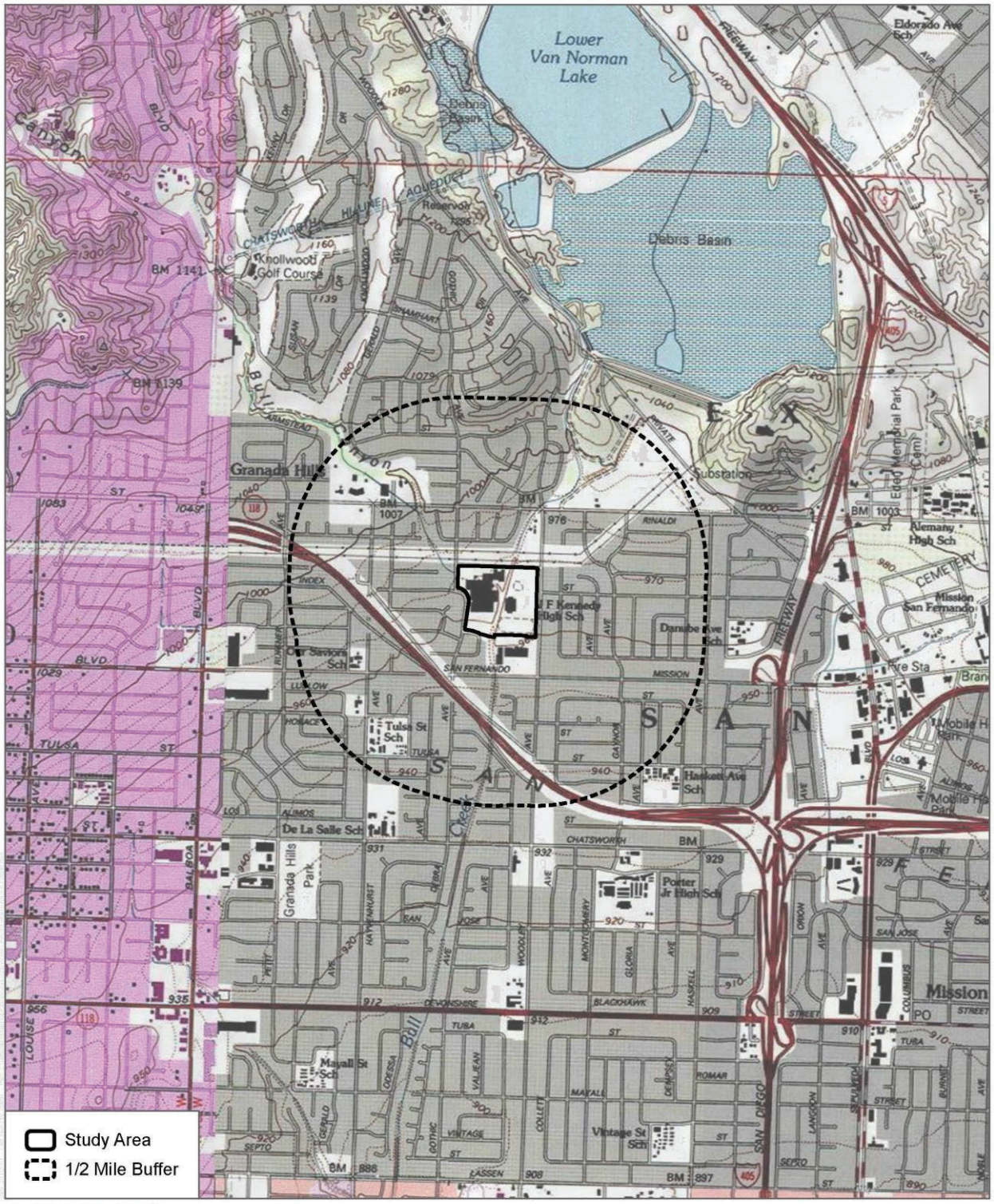
Sincerely,

Erica Nicolay, MA
Archaeologist

DUDEK
Cell: 760.936.7952

Attachments: Figure 1



SOURCE: SOURCE: USGS 7.5-Minute Series San Fernando Quadrangle
Township 2N; Range 15W; Sections 5, 6, 7, 8

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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Ms. Sandonne Goad, Chairperson
Gabrielino-Tongva Nation
106 1/2 Judge John Also St.
Los Angeles, CA 90012

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Ms. Goad:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

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Thank you for your assistance.

Sincerely,

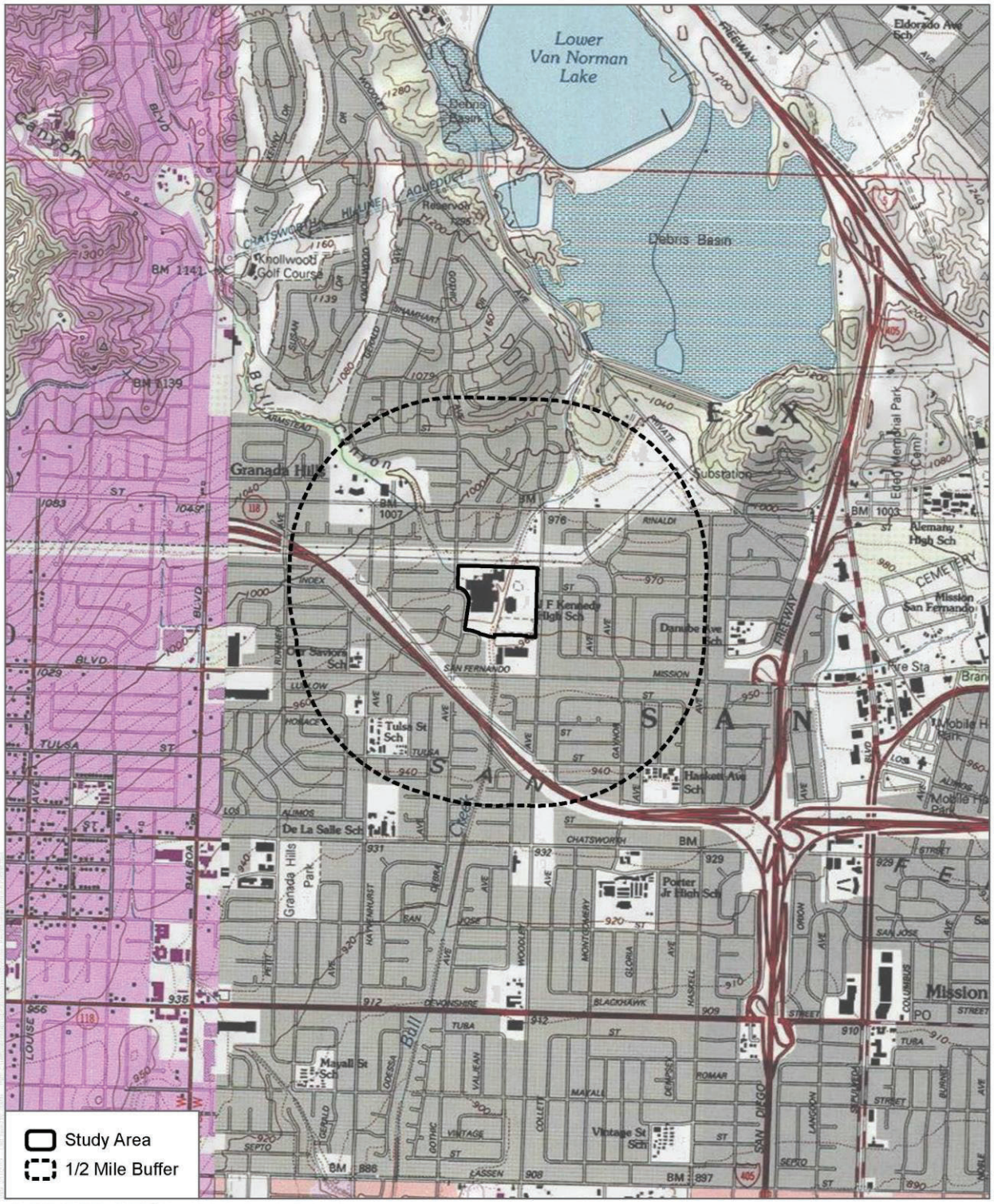
Erica Nicolay, MA
Archaeologist

DUDEK
Cell: 760.936.7952

Attachments: Figure 1

Ms. Goad:

Subject: Kennedy High School Comprehensive Modernization Project, City of Los Angeles, Los Angeles County, California



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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Mr. Kenneth Kahn, Chairperson
Santa Ynez Band of Mission Indians
P.O. Box 517
Santa Ynez, CA 93460

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Kahn:

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Archaeologist

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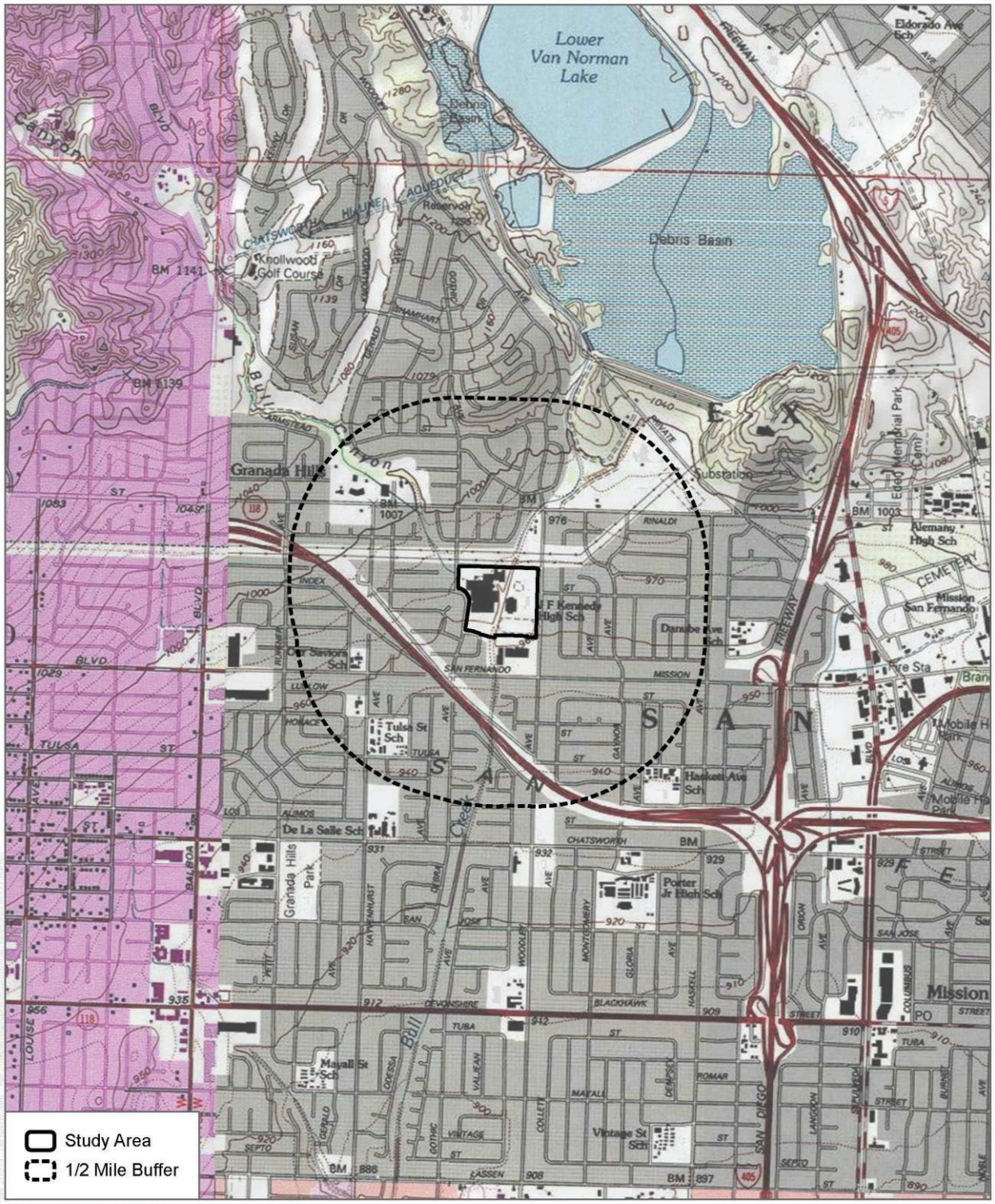
Subject: Kennedy High School Comprehensive Modernization Project, City of Los Angeles, Los Angeles County, California



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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Mr. Anthony Morales, Chairperson
Gabrieleno/Tongva San Gabriel Band of Mission Indians
P.O. Box 693
San Gabriel, CA 91778

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Morales:

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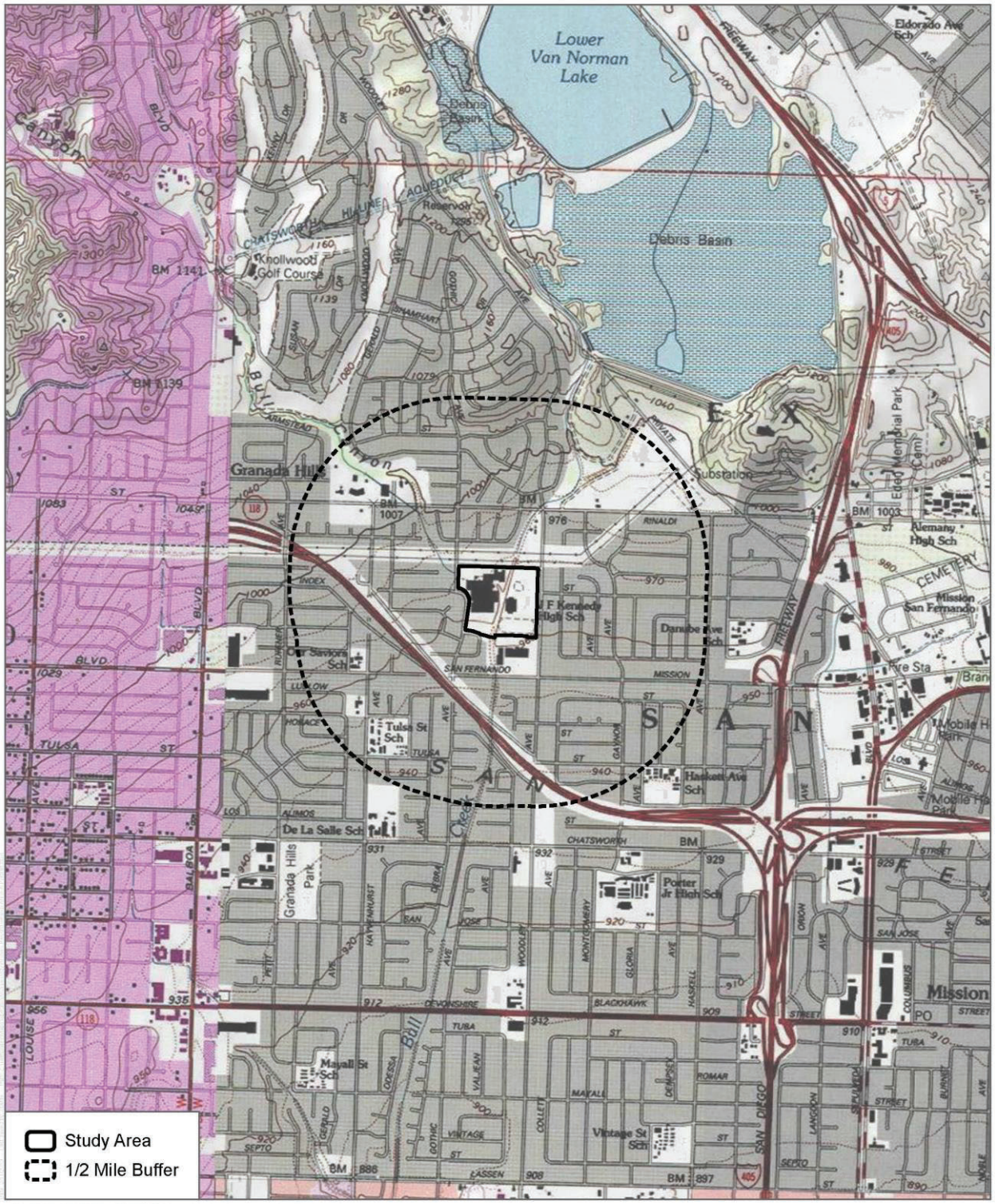

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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Mr. Julio Quair, Chairperson
Chumash Council of Bakersfield
729 Texas St.
Bakersfield, CA 93307

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Quair:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

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Cell: 760.936.7952

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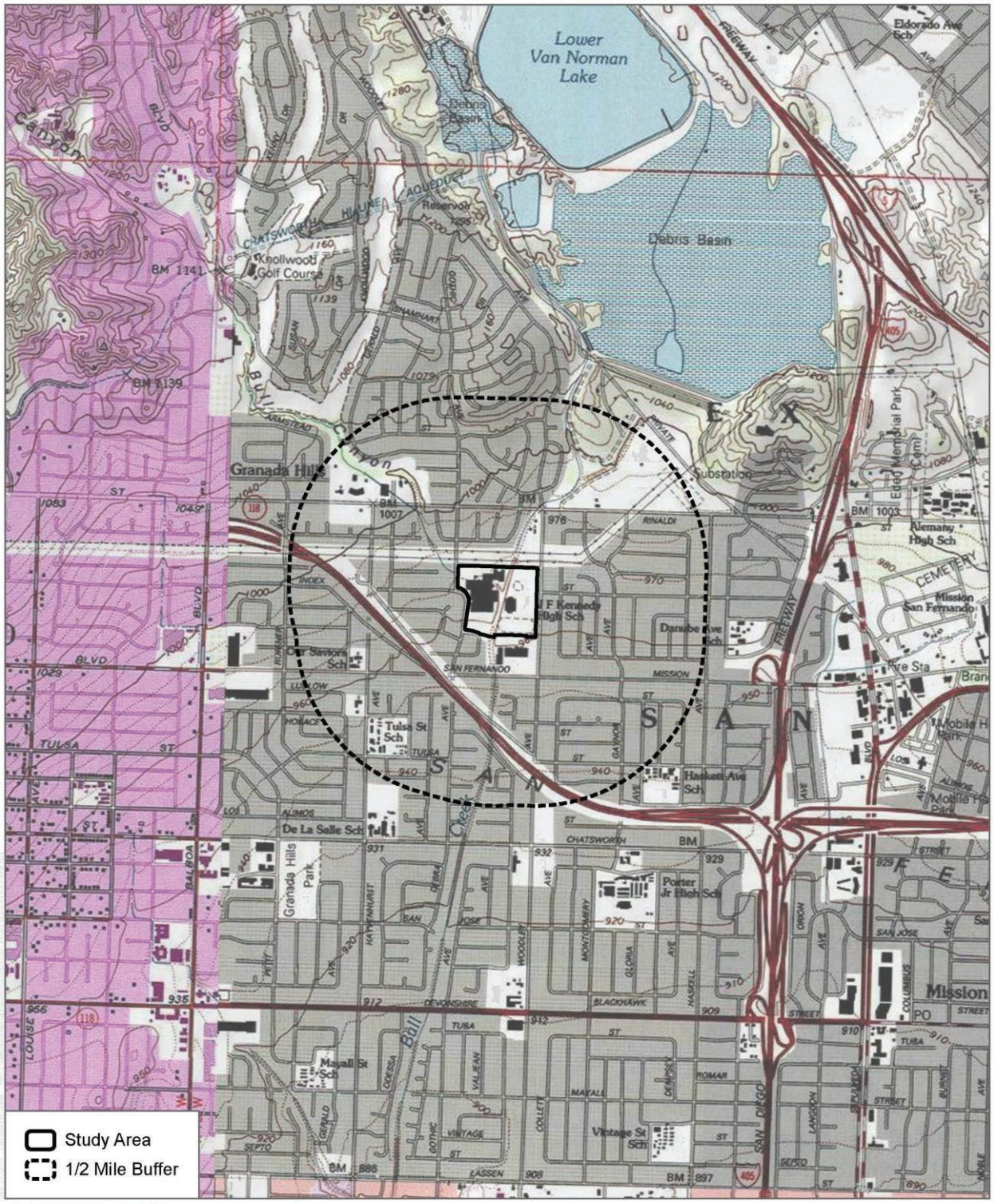

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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Mr. Andrew Salas, Chairperson
Gabrieleno Band of Mission Indians
P.O. Box 393
Covina, CA 91723

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Salas:

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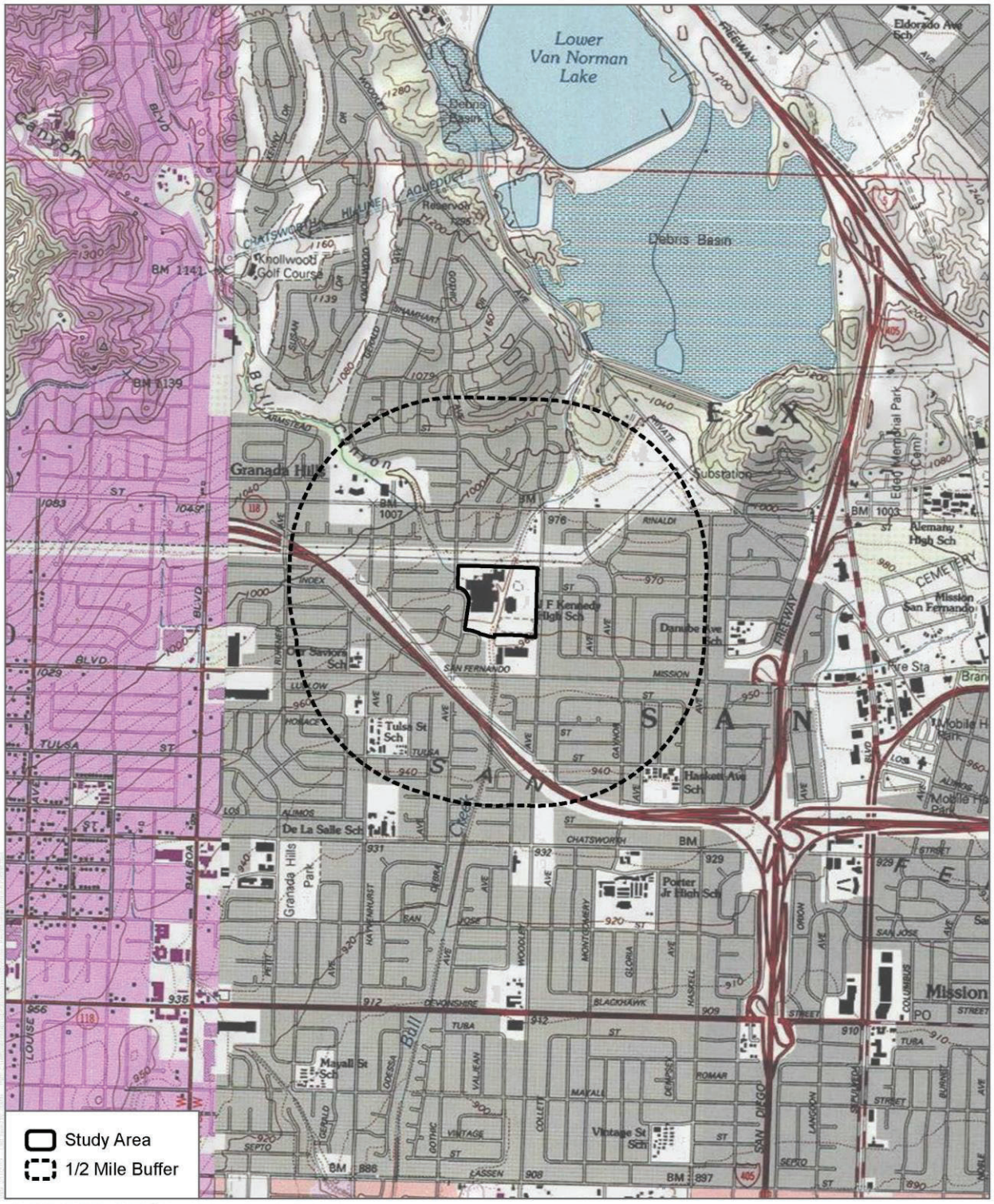

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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Ms. Beverly Salazar, Councilmember
Fernandeno Tataviam Band of Mission Indians
1931 Shadybrook Dr.
Thousand Oaks, CA 91362

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Ms. Salazar:

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Cell: 760.936.7952

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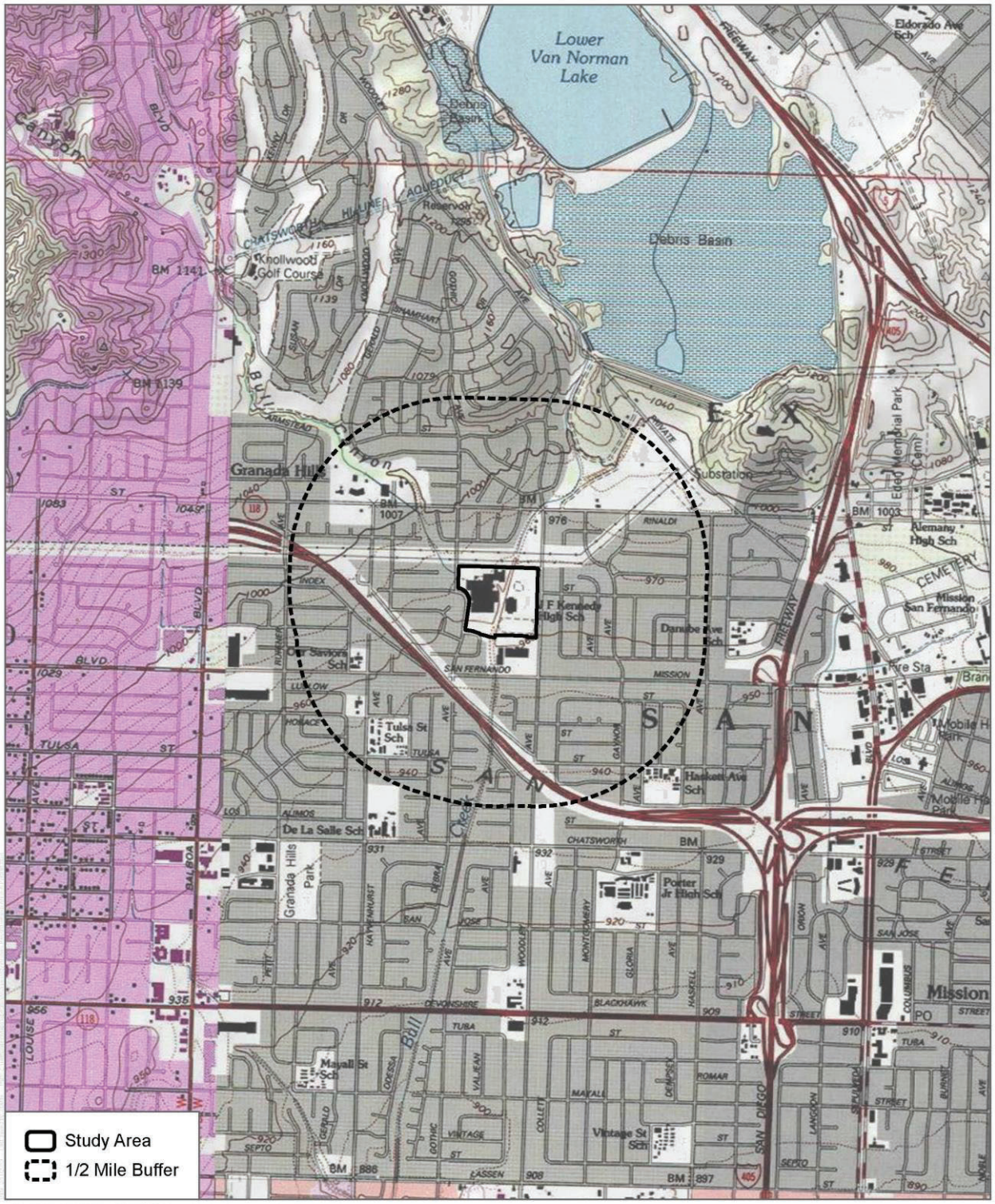

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LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
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T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Mr. Alan Salazar,
Fernandeno Tataviam Band of Mission Indians
229 Ute Lane
Ventura, CA 93001

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

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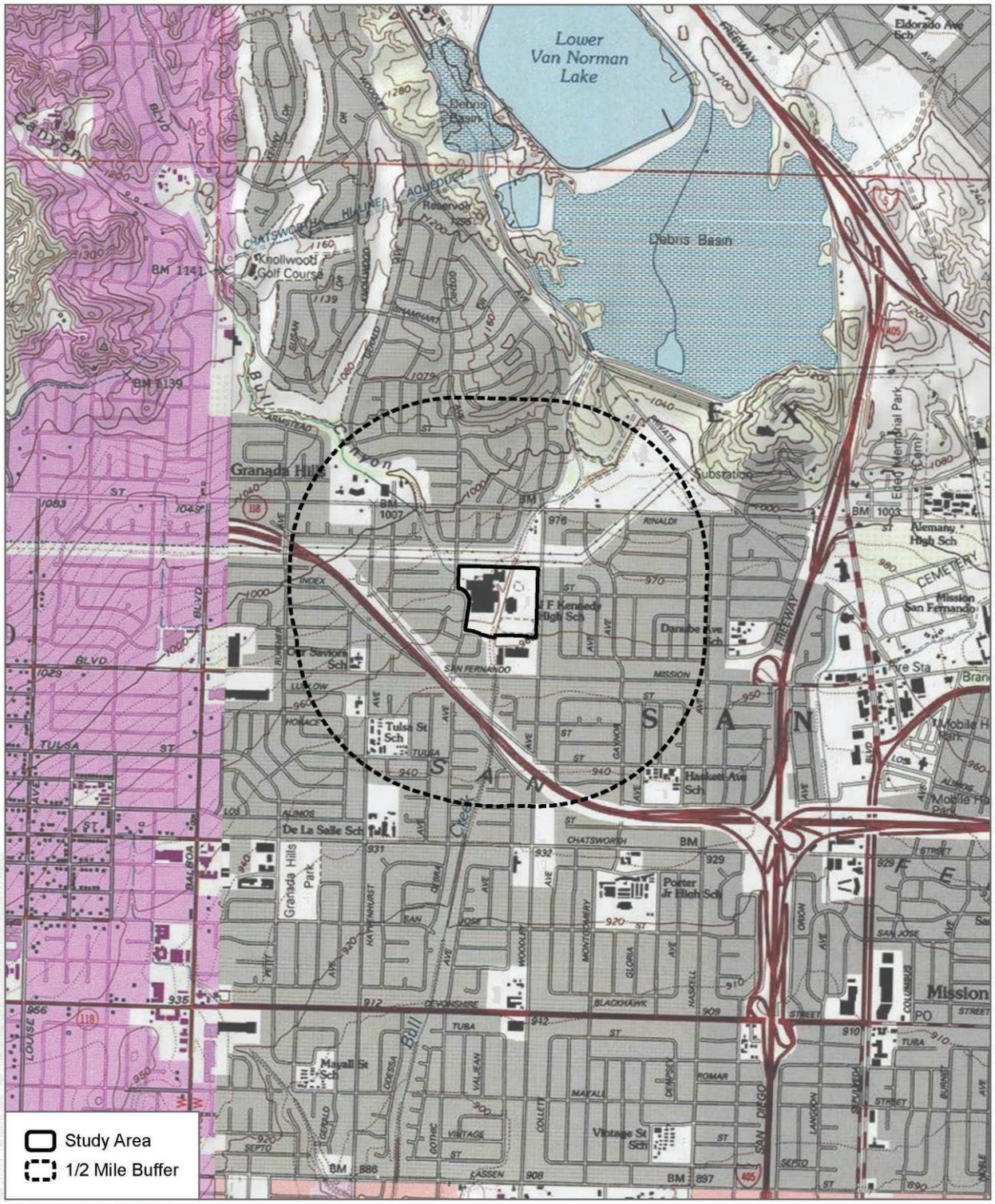

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LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Mr. Patrick Tumamait,
Barbareno/Ventureno Band of Mission Indians
992 El Camino Corto
Ojai, CA 93023

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Tumamalt:

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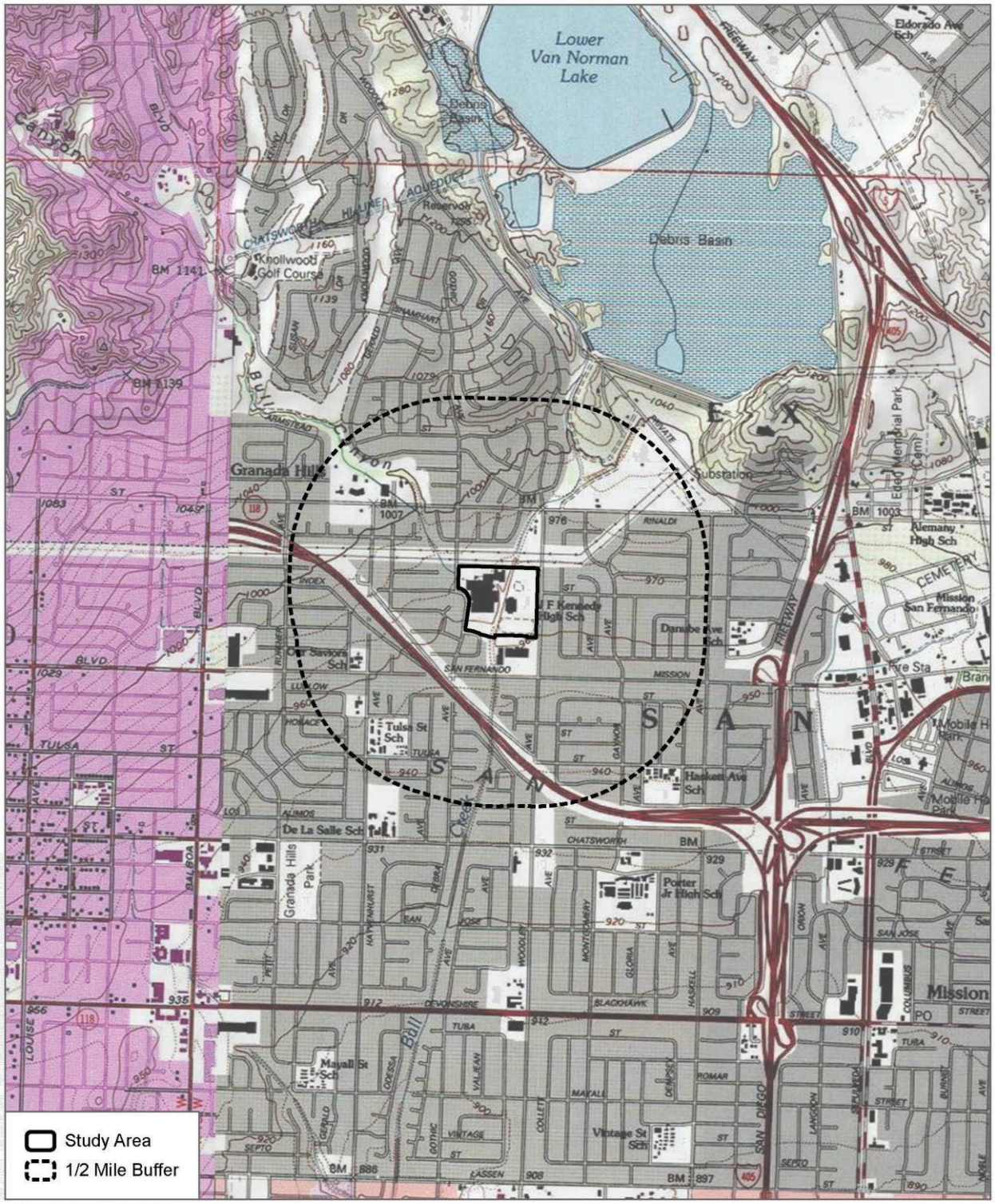

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T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Ms. Julie Lynn Tumamait-Stennslie, Chair
Barbareno/Ventureno Band of Mission Indians
365 North Poll Ave
Ojai, CA 93023

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

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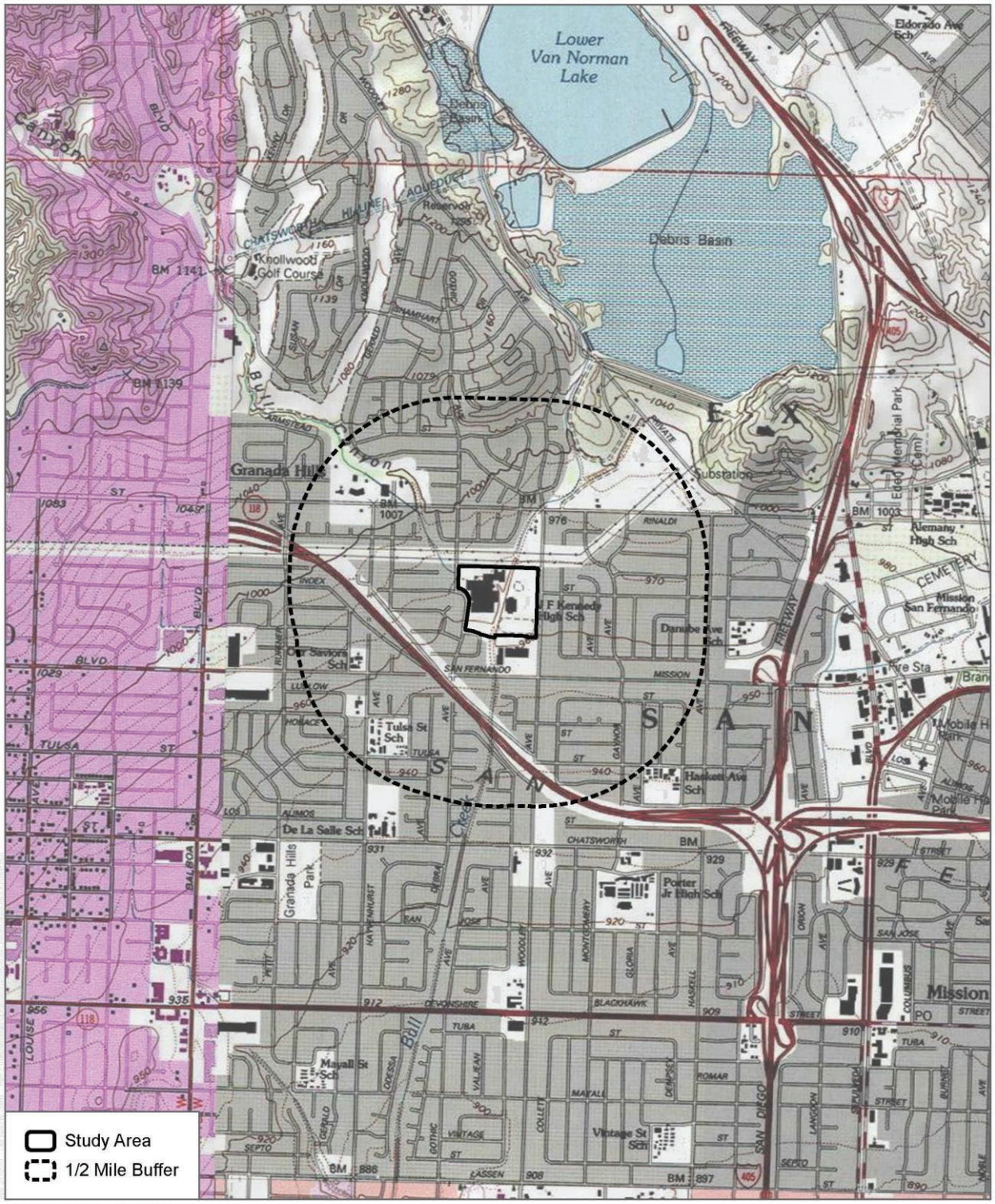
Thank you for your assistance.

Sincerely,

Erica Nicolay, MA
Archaeologist

DUDEK
Cell: 760.936.7952

Attachments: Figure 1



SOURCE: SOURCE: USGS 7.5-Minute Series San Fernando Quadrangle
Township 2N; Range 15W; Sections 5, 6, 7, 8

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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Ms. Donna Yocum, Chairperson
San Fernando Band of Mission Indians
P.O. Box 221838
Newhall, CA 91322

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Ms. Yocum:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

A California Historical Resources Information System (CHRIS) records search was completed at the South Central Coastal Information Center (SCCIC) for the proposed project area and a half-mile radius. The records search identified three resources within the record search area; none of which are within the proposed project area. The resources include one groundstone and lithic scatter, the Van Norman Reservoir Archeological district, and the historic Bull Creek Extension Channel.

Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on February 13, 2019, stating that the results of the SLF search was positive, though they did not indicate whether any Native American cultural resources had been identified within the proposed project area.

The NAHC recommended that we contact you regarding your knowledge of the presence of cultural resources that may be impacted by the proposed project. If you have any knowledge of cultural resources that may exist within or near the proposed project area, please contact me directly at the phone number listed below, enicolay@dudek.com, or at 38 North Marengo Avenue, Pasadena, CA, 91101 within 30 days of receipt of this letter.

Please note that the request herein is for informational purposes only and does not constitute Assembly Bill (AB) 52 notification or initiation of consultation. All information provided will be considered confidential and not shared with the public.

Thank you for your assistance.

Sincerely,

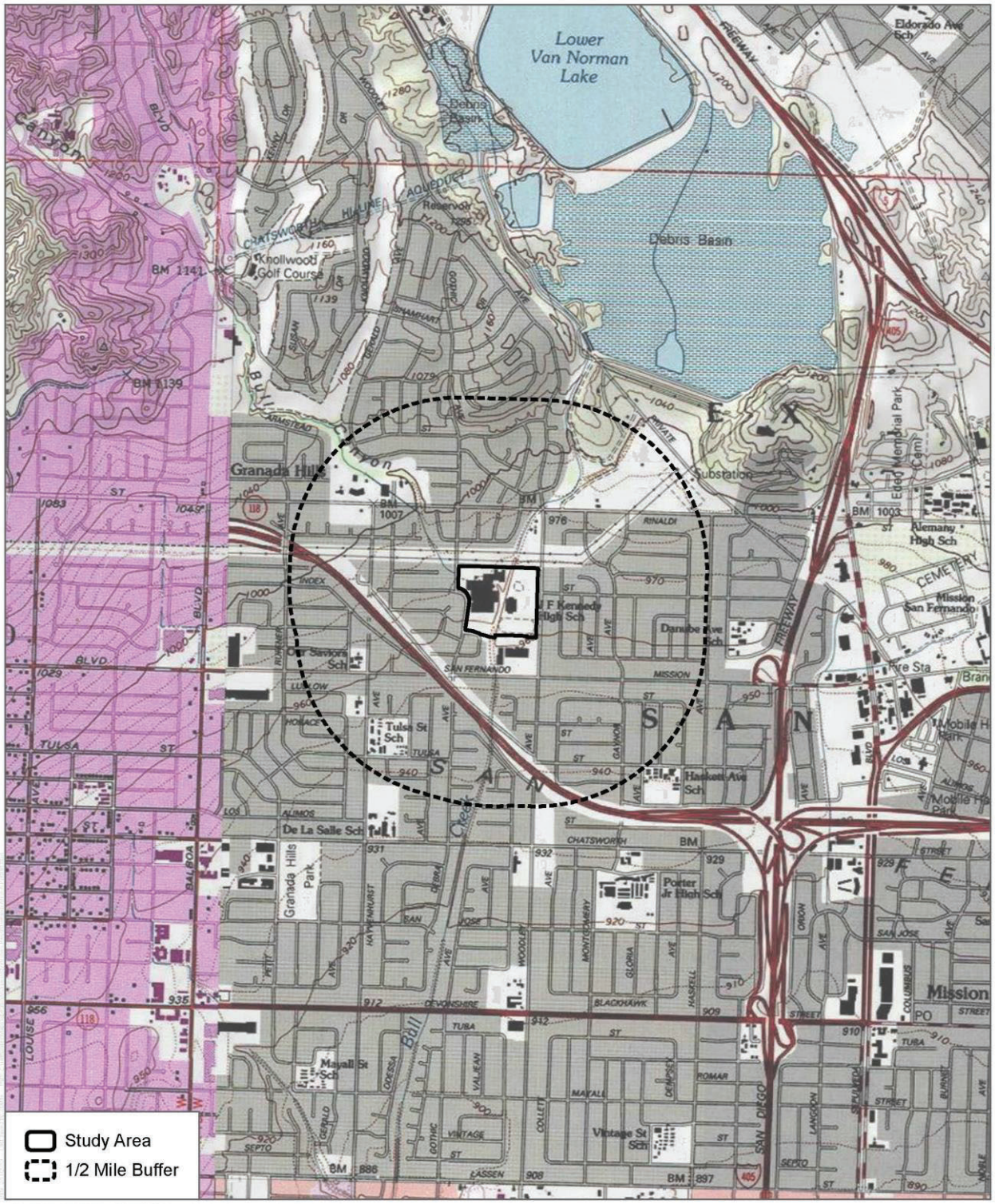
Erica Nicolay, MA
Archaeologist

DUDEK
Cell: 760.936.7952

Attachments: Figure 1

Ms. Yocum:

Subject: Kennedy High School Comprehensive Modernization Project, City of Los Angeles, Los Angeles County, California



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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Chief Mark Vigil, Chief
San Luis Obispo County Chumash Council
1030 Ritchie Road
Grover Beach, CA 93433

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Chief Vigil:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

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Archaeologist

DUDEK
Cell: 760.936.7952

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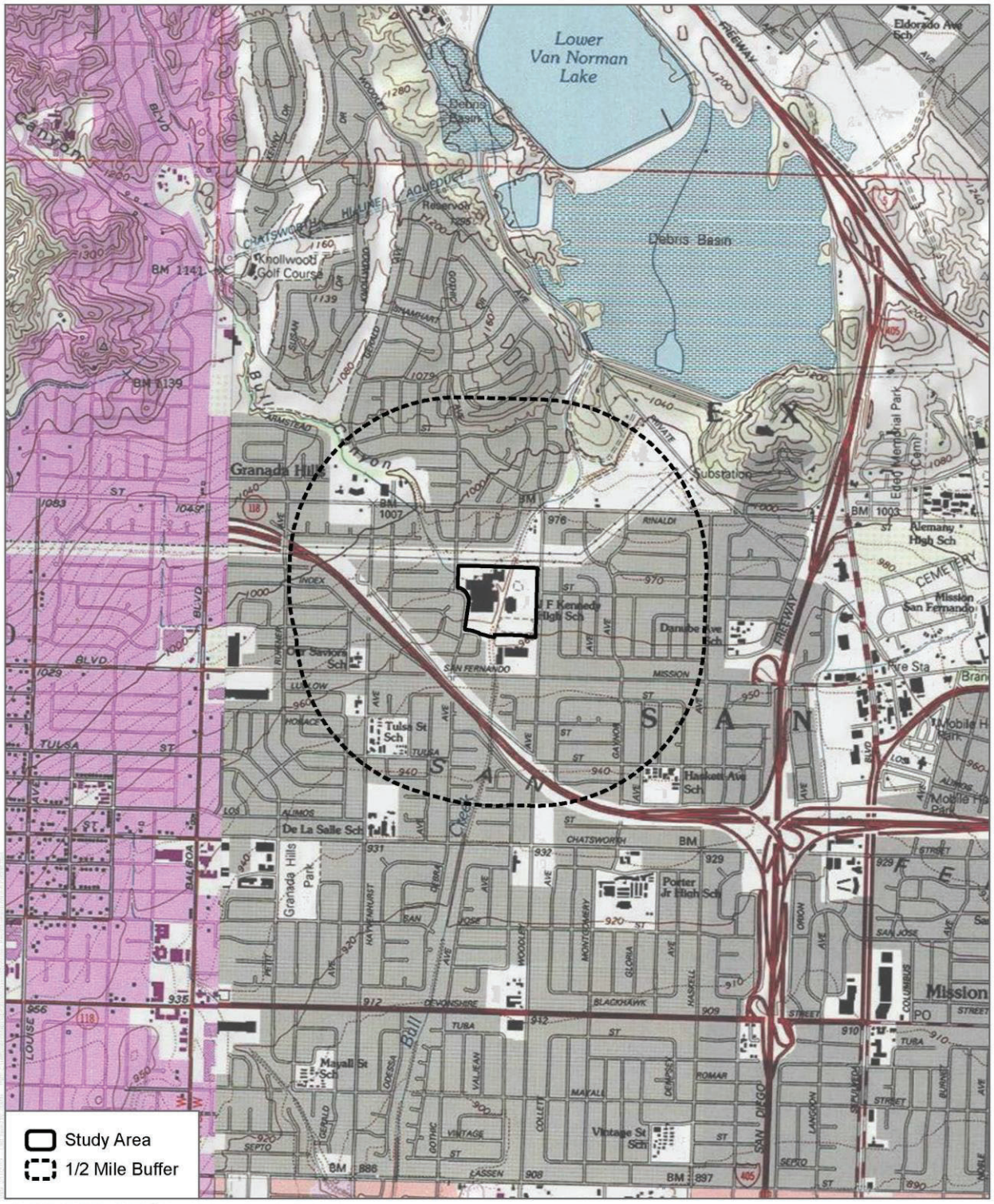

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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Mr. Gino Altamiro, Chairperson
Coastal Band of the Chumash Nation
P.O. Box 4464
Santa Barbara, CA 93140

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Mr. Altamiro:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

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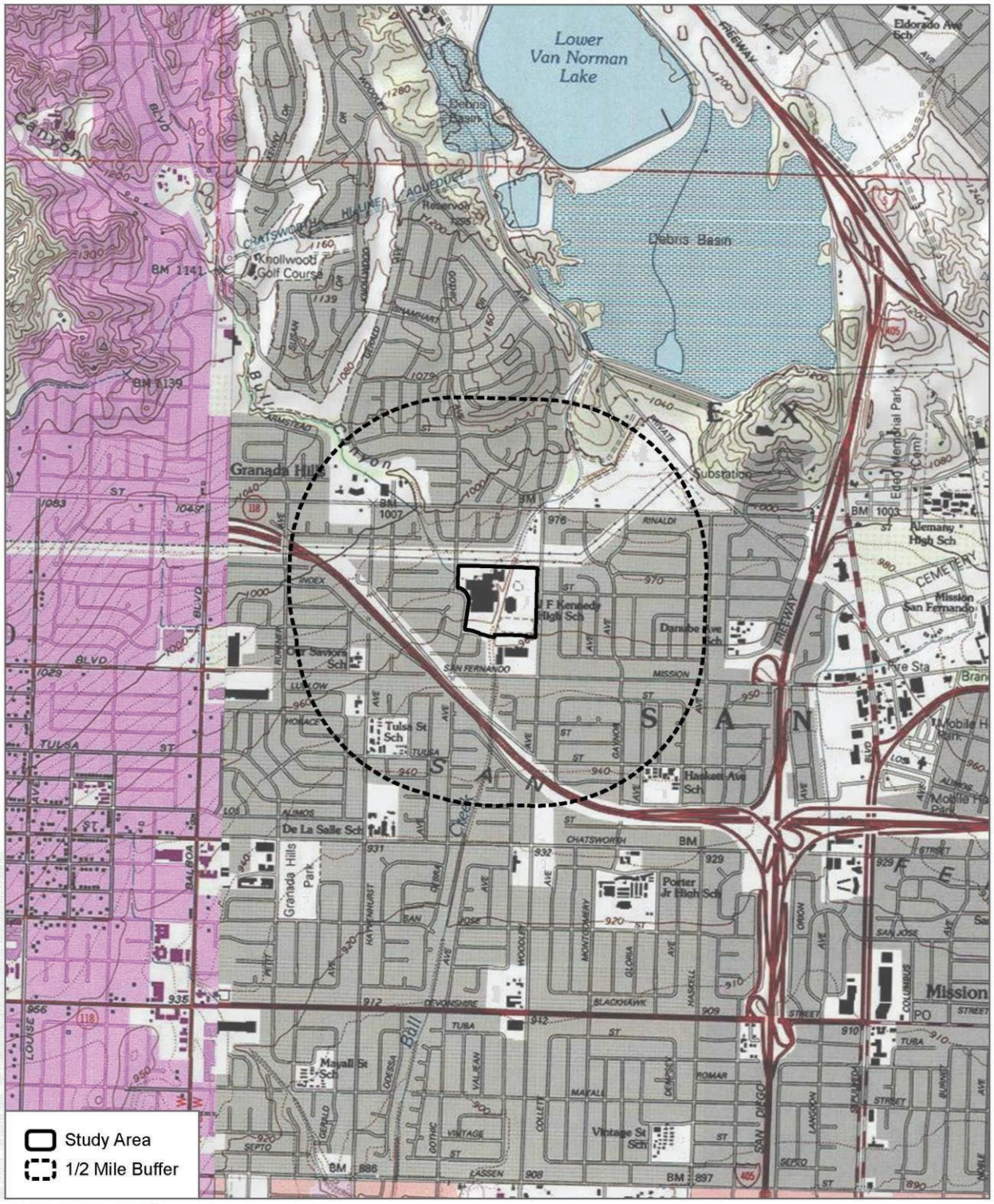
Archaeologist

DUDEK
Cell: 760.936.7952

Attachments: Figure 1

Altamiro:

Subject: Kennedy High School Comprehensive Modernization Project, City of Los Angeles, Los Angeles County, California



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Records Search
LAUSD Kennedy High School Project

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

February 14, 2019 10319

Ms. Mona Tucker, Chairperson
yak tikyu tikyu yak tilhini- NOrthern Chumash Tribe
660 Camino Del Rey
Arroyo Grande, CA 93420

Subject: Kennedy High School Redevelopment Project, City of Los Angeles, Los Angeles County, California

Dear Ms. Tucker:

Dudek has been retained by the Los Angeles Unified School District (LAUSD) in support of the proposed Kennedy High School Comprehensive Modernization Project (project; proposed project). The project proposes to renovate the 27.4 acre campus of John F. Kennedy High School located at 11254 Gothic Avenue in Granada Hills in the city of Los Angeles, California. The proposed project is designed to address the most critical physical concerns and essential safety issues at Kennedy High School, while providing renovations, modernizations, and reconfigurations to the facilities to support the educational program. The proposed project includes the retrofitting of several buildings on the campus, replacing classrooms in relocatable buildings with permanent classrooms, repairing and upgrading permanent buildings, improving interior conditions of buildings, and completing site upgrades. Specifically the project is within Sections 7 of Township 2 North, Range 15 West, as shown on the *San Fernando* USGS Quadrangle (see attached map).

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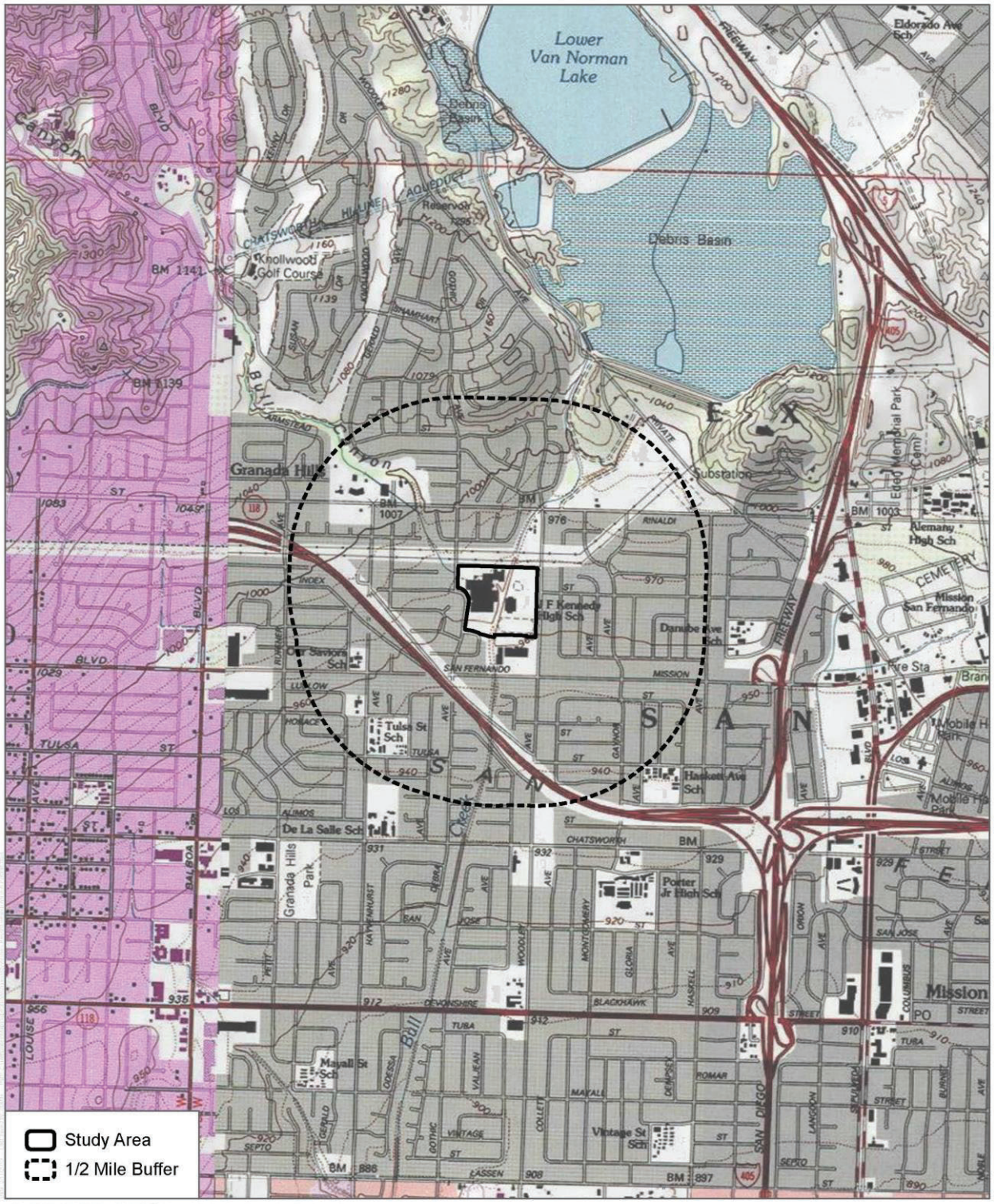
Erica Nicolay, MA
Archaeologist

DUDEK
Cell: 760.936.7952

Attachments: Figure 1

Tucker:

Subject: Kennedy High School Comprehensive Modernization Project, City of Los Angeles, Los Angeles County, California



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Township 2N; Range 15W; Sections 5, 6, 7, 8

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Records Search
LAUSD Kennedy High School Project

REQUEST FOR INFORMATION
KENNEDY HIGH SCHOOL PORJECT
LOS ANGELES, CALIFORNIA

Communication With:	Beverly Salazar Folkes, Fernadeño Tataviam Band of Mission Indians
Communication Date:	February 22, 2019
Communication Type:	Phone
Subject:	Response to Request for Information Letter

COMMUNICATION SUMMARY

On February 22, 2019 Ms. Salazar Folkes contacted Dudek via telephone on February 22, 2019, on behalf of the Fernandeño Tataviam Band of Mission Indians. Ms. Folkes stated that the project site and vicinity was traditionally affiliated with the Santa Ynez Band of Mission Indians and was sensitive for Native American related resources. Ms. Folkes recommended that an archaeological monitor and a Native American monitor be retained to monitor ground disturbing activities associated with the project.

REQUEST FOR INFORMATION
KENNEDY HIGH SCHOOL PORJECT
LOS ANGELES, CALIFORNIA

Communication With:	Patrick Tumamait, Barabareño/Ventureno Band of Mission Indians
Communication Date:	February 22, 2019 and February 25, 2019
Communication Type:	Phone
Subject:	Response to Request for Information Letter

COMMUNICATION SUMMARY

On February 22, 2019 Patrick Tumamait contacted Dudek via telephone on February 22, 2019, on behalf of the Barabareño/Ventureno Band of Mission Indians. Mr. Tumamait left a message stating that he had concerns about the project and that the project site was located in the vicinity of archaeological resources. A follow up call by Dudek was made to Mr. Tumamait on February 22, 2019 which went to voicemail and on February 25, 2019. During the February 25th call, Mr. Tumamait stated that the area was sensitive for Native American resources and was concerned with the fact that intensive archaeological testing and research has never been conducted at the site. To mitigate these concerns, Mr. Tumamait suggested retaining a Native American monitor to be present during all ground disturbing activities.

Erica Nicolay

From: Jairo Avila <jairo.avila@tataviam-nsn.us>
Sent: Thursday, February 28, 2019 7:39 AM
To: Erica Nicolay
Subject: FTBMI comments for Kennedy High School

Tribal Historic & Cultural Preservation Department

Project: ***Kennedy High School Redevelopment Project, City of Los Angeles County, California***
Address: ***11254 Gothic Avenue, Granada Hills, Los Angeles***

Hello Erica,

On behalf of the Tribal Historic and Cultural Preservation (THCP) Department of the Fernandeño Tataviam Band of Mission Indians (FTBMI), thank you for the formal notification and opportunity to provide comments regarding the proposed Project referenced above. The THCP Department has been in communication with LAUSD in regards to this Project and plans to meet with Project representatives in the coming weeks.

The FTBMI considers the Project vicinity to be highly sensitive as there are various prehistoric and historic sites within distance of the Project. Although cultural resources have not been reported within the boundaries of the Project, the range of archaeological sites and isolate artifacts that have been documented in and around the San Fernando Mission and around the Van Norman Reservoir warrant taking precautions when proposing any ground disturbing activities.

I appreciate your time and look forward to reviewing the Cultural Resource Assessment for this Project when made available for review.

Sincerely,

--
Jairo F. Avila, M.A., RPA.
Tribal Historic and Cultural Preservation Officer

Fernandeño Tataviam Band of Mission Indians
1019 Second Street, Suite 1
San Fernando, California 91340
Office: (818) 837-0794
Website: http://www.tataviam-nsn.us
--
Jairo F. Avila, M.A., RPA.
Tribal Historic and Cultural Preservation Officer

Fernandeño Tataviam Band of Mission Indians
1019 Second Street, Suite 1
San Fernando, California 91340
Office: (818) 837-0794
Website: http://www.tataviam-nsn.us

Erica Nicolay

From: Administration Gabrieleno <admin@gabrielenoindians.org>
Sent: Friday, March 1, 2019 4:15 PM
To: Erica Nicolay
Subject: Kennedy High School Redevelopment Project City of Los Angeles

Dear Erica Nicolay,

Thank you for your letter dated February 14,2019. If there will be any ground disturbance taking place regarding the above project our Tribal government would like to consult with you and the lead agency. Thank you

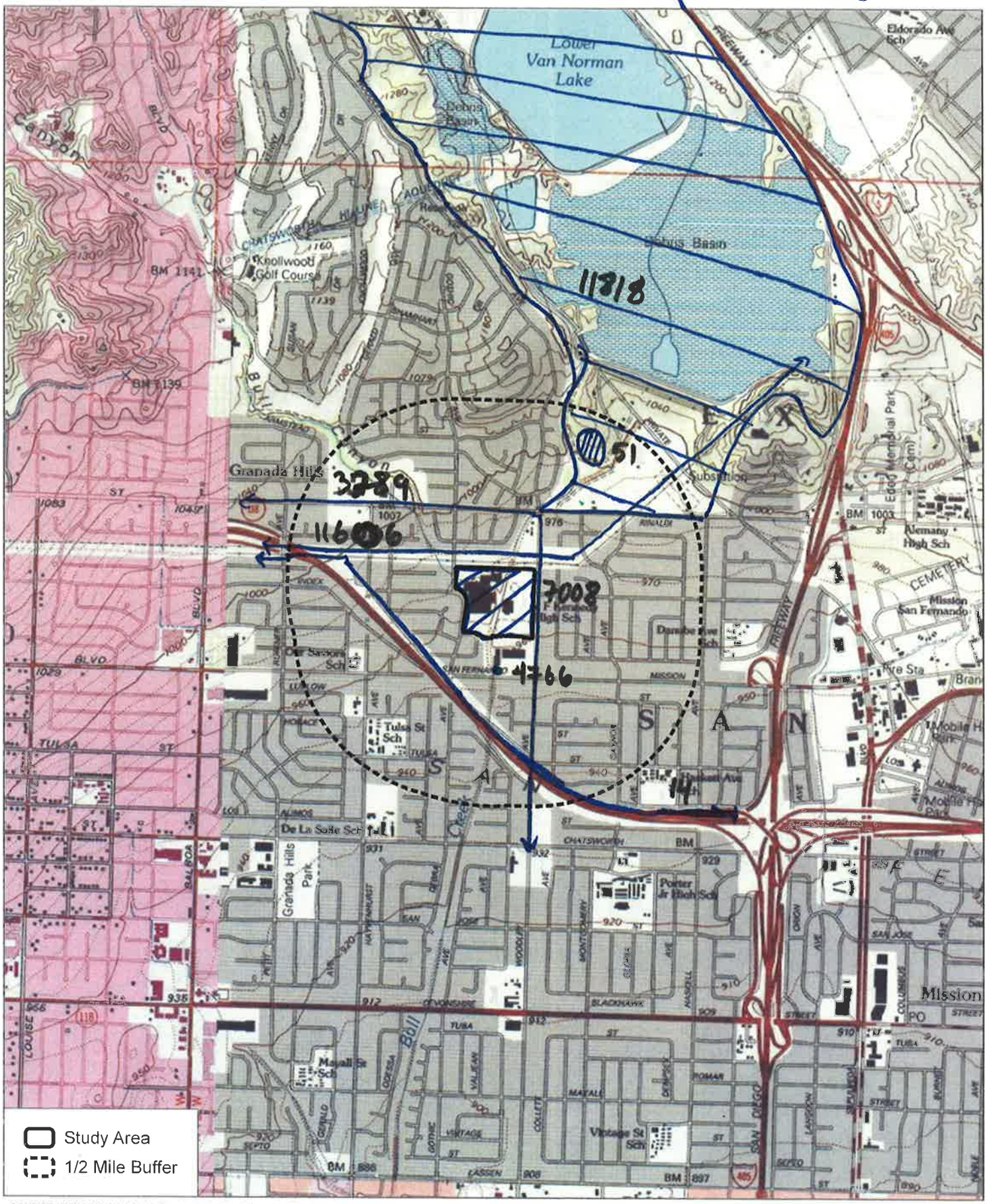
Sincerely,

Brandy Salas

Admin Specialist
Gabrieleno Band of Mission Indians - Kizh Nation
PO Box 393
Covina, CA 91723
Office: 844-390-0787
website: www.gabrielenoindians.org

Attachments area

REPORTS



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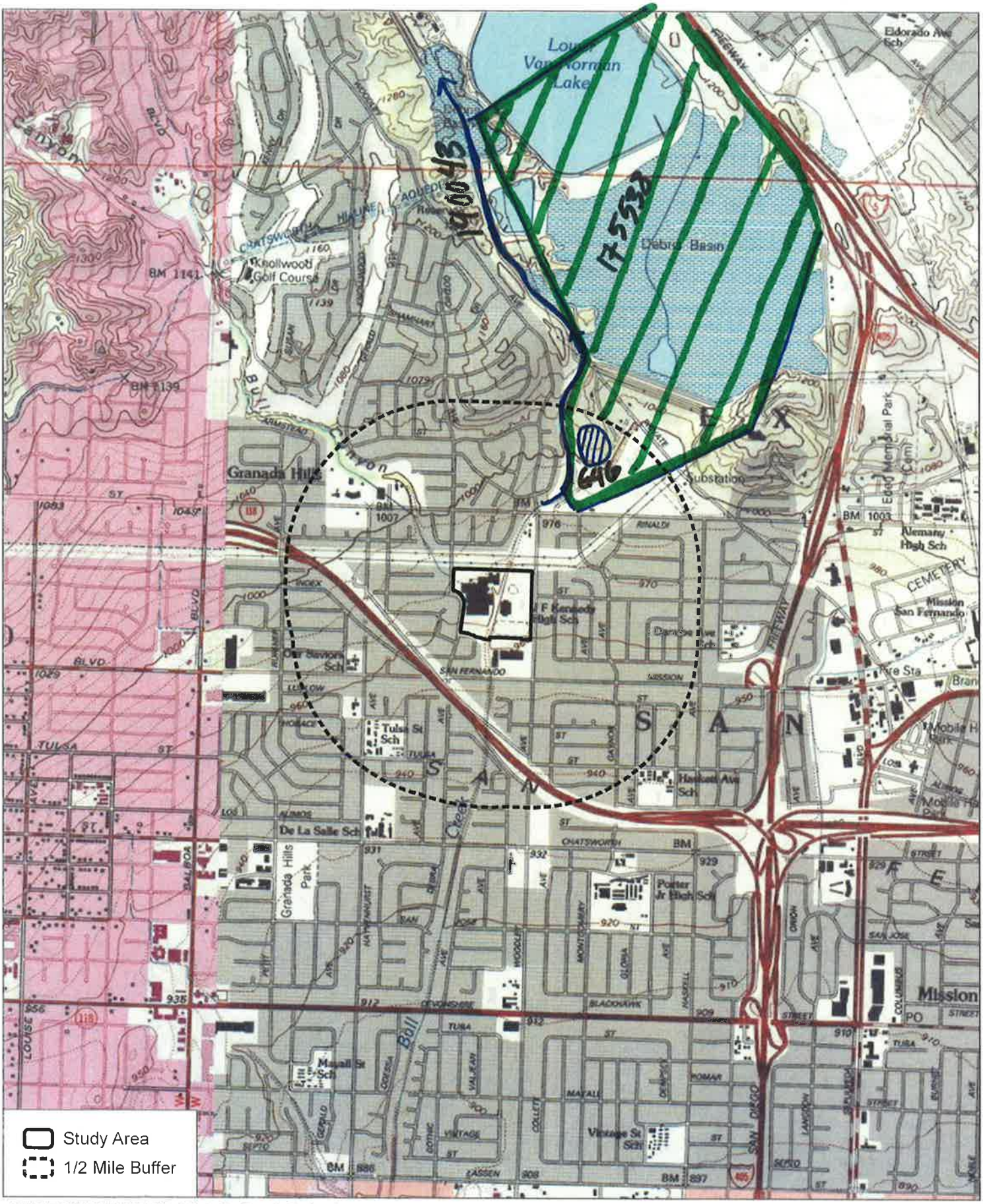
Records Search
LAUSD Kennedy High School MND

RESOURCES



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Records Search
LAUSD Kennedy High School MND

19-000646

University of California

ARCHAEOLOGICAL SITE SURVEY RECORD

1. Site LAn-646H 2. Map San Fernando 7.5" 3. County Los Angeles

4. Twp. T.2N. Range R.15W.; _____ 1/4 of _____ 1/4 of Sec. _____

5. Location Southernmost site, located on the southern end of a sloping ridge overlooking baseball diamonds and modern DWP buildings.

6. On contour elevation about 1060 feet

7. Previous designations for site V.S 11

8. Owner L.A. Dept. of Water and Power 9. Address _____

10. Previous owners, dates see LAn-642 and 643

11. Present tenant DWP and its caretakers

12. Attitude toward excavation Unknown, site is well preserved and not threatened

13. Description of site Site is on a sloping hillside bench. Has a possible historic grave (a small oval area ringed with cobbles)

14. Area sloping hillside benches 15. Depth unknown 16. Height _____

17. Vegetation Sage, yucca, grasses 18. Nearest water Canyon stream 100 meters west and 100 meters east.

19. Soil of site light grey sandy b 20. Surrounding soil type light yellowish/grey sandy alluvium

21. Previous excavation None

22. Cultivation None 23. Erosion None

24. Buildings, roads, etc. Road cut along SW edge

25. Possibility of destruction Not at present unless DWP changes planned development

26. House pits NONE

27. Other features None

28. Burials One possible historic "grave"

29. Artifacts Granite metate frags, granite mano frags, lithic detritus, cores

30. Remarks Possible milling area

31. Published references See Lan-642 and 643

32. Accession No. VS-45 33. Sketch map Attached

34. Date 1/29/74 35. Recorded by KELLey, Gates, McIntyre 36. Photos Bente'

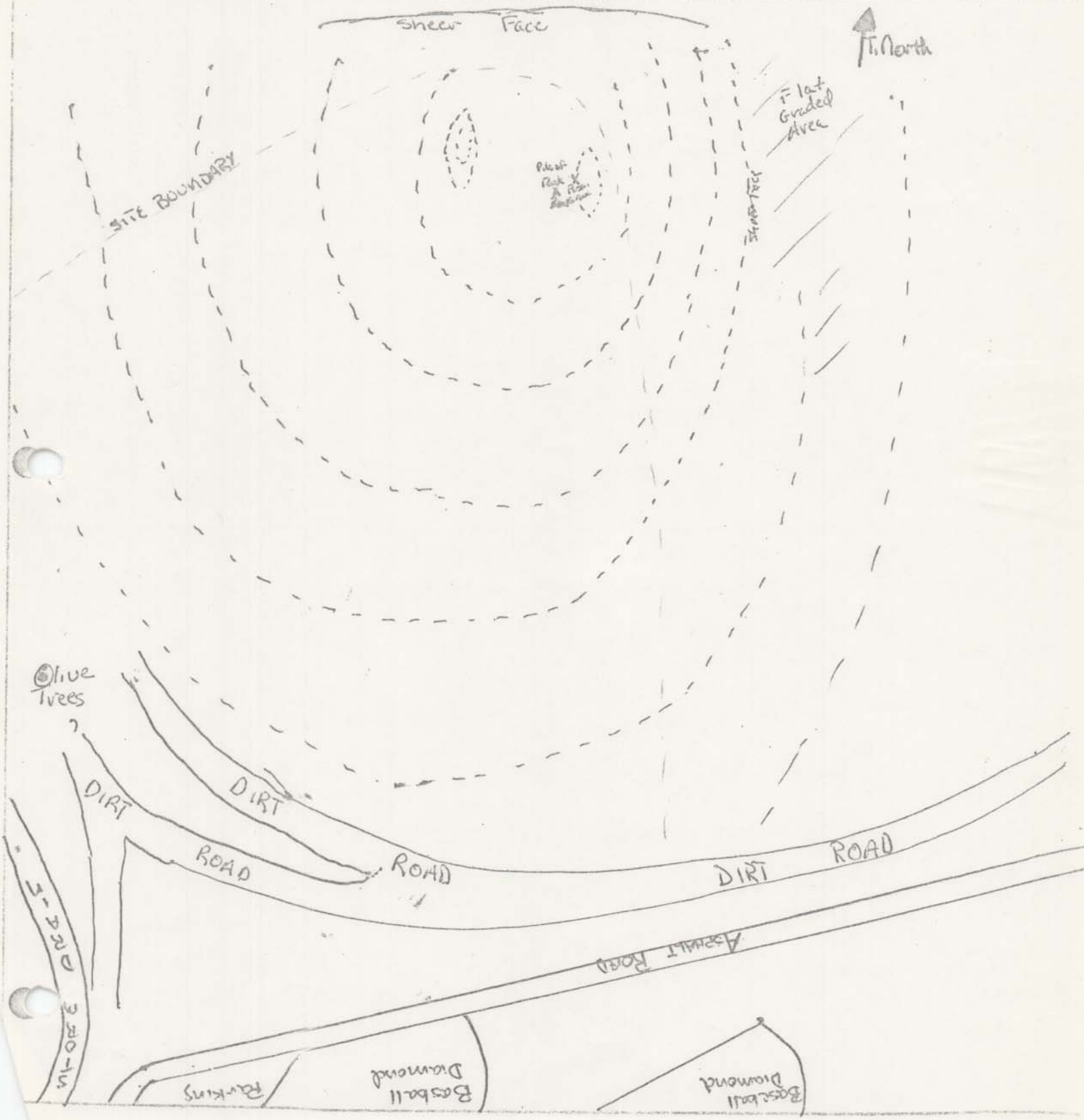
19-000646

26. RECORDED BY Kelly, Gates, Bente!, and McIntyre 27. DATE RECORDED 1/30/74

28. DETAILED SKETCH MAP OF SITE:

SCALE:

DIRECTION NORTH (INDICATE IF MAG. NORTH OR T. NORTH)



19-175538

STATE OF CALIFORNIA—RESOURCES AGENCY

RONALD REAGAN, Governor

CALIFORNIA HISTORICAL LANDMARKS ADVISORY COMMITTEE
DEPARTMENT OF PARKS AND RECREATION
POST OFFICE BOX 2390
SACRAMENTO, CALIFORNIA 95811

December 31, 1974

Mrs. Kathryn H. Kaiser, Chairman
Mr. Andrew M. Genzoli
Mr. Raymond Girvigian
Dr. Clement W. Meighan
Rev. Noel F. Moholy
Mr. Glen A. Settle
Dr. R. Coke Wood, Members
California Historical Landmarks Advisory Committee

There is attached for your consideration an application for the registration of the Van Norman Reservoir Archeological District, Los Angeles County, submitted by the Northridge Archeological Research Center, California State University, Northridge.

Sincerely

James M. Doyle
Assistant Executive Secretary

19-175538

19-175538.

Form 10-300
(Rev. 6-72)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES INVENTORY – NOMINATION FORM

(Type all entries - complete applicable sections)

STATE: California
COUNTY: Los Angeles
FOR NPS USE ONLY
ENTRY DATE

SEE INSTRUCTIONS

1. NAME

COMMON:
Van Norman (or Los Angeles)Reservoir Archaeological District

AND/OR HISTORIC:
Geronimo Lopez and C.R.Rinaldi Ranchos; San Fernando Reservoir #2

2. LOCATION

STREET AND NUMBER:
15751 Rinaldi Street

CITY OR TOWN: Granada Hills
CONGRESSIONAL DISTRICT: 27th

STATE: California | CODE:
COUNTY: Los Angeles | CODE:

3. CLASSIFICATION

CATEGORY (Check One)	OWNERSHIP		STATUS	ACCESSIBLE TO THE PUBLIC
[X] District [ ] Building [ ] Site [ ] Structure [ ] Object	[X] Public [ ] Private [ ] Both	Public Acquisition: [ ] In Process [ ] Being Considered	[ ] Occupied [X] Unoccupied [ ] Preservation work in progress	Yes: [X] Restricted [ ] Unrestricted [ ] No

PRESENT USE *(Check One or More as Appropriate)*

[ ] Agricultural [ ] Government [ ] Park [ ] Transportation [ ] Comments
[ ] Commercial [ ] Industrial [ ] Private Residence [X] Other *(Specify)*
[ ] Educational [ ] Military [ ] Religious
[ ] Entertainment [ ] Museum [ ] Scientific

Reservoir (Drained)

4. OWNER OF PROPERTY

OWNER'S NAME:
Department of Water and Power, City of Los Angeles

STREET AND NUMBER:
111 North Hope Street

CITY OR TOWN: Los Angeles
STATE: California 90051 | CODE:

5. LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC:
Los Angeles County Assessor

STREET AND NUMBER:
14550 Archwood

CITY OR TOWN: Van Nuys
STATE: California | CODE:

6. REPRESENTATION IN EXISTING SURVEYS

TITLE OF SURVEY:
Cultural Resources of the Los Angeles Reservoir

DATE OF SURVEY: January 1974 [ ] Federal [ ] State [ ] County [X] Local

DEPOSITORY FOR SURVEY RECORDS: Northridge Archaeological Research Center
Dept. of Anthropology, California State University, Northridge

STREET AND NUMBER:
18111 Nordhoff St.

CITY OR TOWN: Northridge
STATE: California 91324 | CODE:

STATE:
COUNTY:
FOR NPS USE ONLY
ENTRY NUMBER
DATE

7. DESCRIPTION

CONDITION	(Check One)					
	☐ Excellent	☐ Good	☐ Fair	☐ Deteriorated	☐ Ruins	☒ Unexposed
	(Check One)			(Check One)		
	☒ Altered	☐ Unaltered		☐ Moved	☒ Original Site	

DESCRIBE THE PRESENT AND ORIGINAL *(if known)* PHYSICAL APPEARANCE

Present Physical Appearance:

The majority of the area under consideration had been covered by reservoir waters since 1915. The reservoir was drained in 1971. Since that time in the low lying portions of the reservoir a thick "marshy" type vegetation has grown, including such plants as cattails, willows, cotton woods, etc. At the higher and drier elevations the vegetation consists mainly of Indian Tobacco (Nicotina glauca) and various sages and short grasses. A layer of light grey silt, varying in depth from 6 inches to 3 feet, covers most of the recently, unmodified areas of the reservoir bottom. Basically, the area consists of the lower end of Bee Creek Canyon where it terminates into the San Fernando Valley proper. Several minor unnamed side drainages result in a gently rolling hilly area cut by small valleys. Because of recent (1971) earth moving activities roughly 45% of the proposed district has been extensively modified. The areas that are unmodified contain the archaeological sites either whole or fragmentary. The sites are located at the bases of gently sloping hills which have been graded extensively. Fortunately, the sites, in an unknown % have survived. The sites remain as "island" patches of the original unmodified terrain.

Original Physical Appearance:

From early photographs (c.1913) the area under consideration was an alluvial valley (Bee Creek) covered with native California grasses, Oak, chaparral and various sages. During construction of the San Fernando Reservoir hydraulic methods were used to obtain fill material for dam construction. As a result, much of the area immediately north of the dam was hydraulically removed and lowered in elevation. Hills adjacent to the dam were also quarried for fill material.

As a result of construction earth moving activities in 1912-1915, 1940 and 1971 only fragments of the original terrain remain. However, these fragments contain basically, undisturbed archaeological remains.

SEE INSTRUCTIONS

at age 18, Geronimo Lopez carried the flag of truce to General John C. Fremont as his battalion entered the valley. In 1842, Geronimos uncle, Francisco Lopez. had discovered gold in nearby Placerita Canyon). In 1869 Geronimo and his wife, Catalina, had an adobe built. That building served as the valleys first Post Office, as a stage depot, Inn, stopping place for freight wagons to and from the Cerrdo Gordo mines and as the first and only general store in the Valley until 1874. A ranch out building severed as the valleys first English-language school. In the early 1870's C.R. Rinaldi purchased the remainder of the property and built a small adobe across the stage road from the Lopez adobe.

In addition to the above adobes there were many other "ranch buildings" belonging to the small ranchos. The Los Angeles Water Board (now the Dept. of Water and Power) purchased the land in 1912. At that time, most if not all of the structures were dynamited. The exact location of the structures is not known due to poor maps of the area not adequate enough to show these locations. However, archaeological evidence now tends to indicate that the present recorded sites may be the location of one or more of the now missing structures. Without adequate profection these remnants of the San Fernando Valleys colorful historic and prehistoric past may be lost forever.

9. Major Bibliographical References

Robinson, W.W.
1966 The Spanish and Mexican Ranchos of the San Fernando Valley, SouthWest Museum Leaflet No. 31. Los Angeles.

The Valley of San Fernando, The San Fernando Valley Chapter of the
1924 Daughters of the American Revolution.

8. SIGNIFICANCE

PERIOD *(Check One or More as Appropriate)*

- [x] Pre-Columbian
- [x] 15th Century
- [x] 16th Century
- [x] 17th Century
- [x] 18th Century
- [x] 19th Century
- [x] 20th Century

SPECIFIC DATE(S) *(If Applicable and Known)* Historic Period - 1830's to 1912 A.D.

AREAS OF SIGNIFICANCE *(Check One or More as Appropriate)*

- Aboriginal
  - [x] Prehistoric
  - [x] Historic
- [ ] Agriculture
- [x] Architecture
- [ ] Art
- [ ] Commerce
- [ ] Communications
- [ ] Conservation
- [x] Education
- [ ] Engineering
- [ ] Industry
- [ ] Invention
- [ ] Landscape Architecture
- [ ] Literature
- [ ] Military
- [ ] Music
- [ ] Political
- [ ] Religion/Philosophy
- [ ] Science
- [ ] Sculpture
- [ ] Social/Humanitarian
- [ ] Theater
- [x] Transportation
- [ ] Urban Planning
- [ ] Other *(Specify)*

STATEMENT OF SIGNIFICANCE

SEE INSTRUCTIONS

Included within the proposed district are the remnants of at least nine prehistoric/historic archaeological sites. This cluster of known sites is presently the greatest known and recorded concentration of archaeological sites in the northern San Fernando Valley. These sites are recorded at the U.C.L.A. Archaeological Survey as CA-LAn-475, LAn-490, LAn-491, LAn-492, LAn-493, LAn-642, LAn-643, LAn-645, and LAn-646. Pf these, CA-LAn-642 was judged as disturbed to such an extent to be labled as "destroyed". Both LAn-493 and LAn-645 are threatened with destruction during the construction of the proposed Los Angeles Dam and Reservoir.

Prehistorically, the sites possibly range from the time of Spanish contact (c.1769) back to the Millingstone Horizon or Early Period of California prehistory (c.3000 B.C.). A Carbon-14 date was obtained from a burial removed .25 miles N.W. of the proposed district that factored out to c. 1300 A.D. Metate cairns uncovered by limited archaeological excavations at LAn-475 strongly suggest that sites possible association wht the Millingstone Horizon. Site location and surface indications at LAn-646 might also tend to show similarities whith known Millingston Horizon sites. Potentially, these remaining sites contain valuable information pertaining to several thousand years of aboriginal cultural prehistory in this portion of the San Fernando Valley. This is of special significance considering that the San Fernando Pass was an aboriginal trade route leading to both the San Joaquin Valley and the Mojave Desert. Thus, aspects of prehistoric trade networks may be contained within these sites also.

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The area of the proposed district was originally part of the San Fernando Mission grant of 1797. After secularization in the 1830's the Bee Creek area was granted to a Mission Indian named Jose Miguel (also known as Samuel). In 1850 or 1851 a U.S. Lands Court Decision turned the land over to Mrs. Maria de Los Angeles Burrows. In 1855 she sold a portion of the property to Geronimo Lopez. (In 1847,

9. MAJOR BIBLIOGRAPHICAL REFERENCES

Board of Public Service Commissioners of the City of Los Angeles,
1916 Construction of the Los Angeles Aqueduct, Final Report.

Keffer, Frank McC.
1934 History of San Fernando Valley

Robinson, W.W.
N.D. Fabulous San Fernando Valley, Western Federal Savings Pamphlet, Los Angeles

10. GEOGRAPHICAL DATA

LATITUDE AND LONGITUDE COORDINATES DEFINING A RECTANGLE LOCATING THE PROPERTY

CORNER	LATITUDE	LONGITUDE
	Degrees Minutes Seconds	Degrees Minutes Seconds
NW	34 ° 17 ' 30 "	118 ° 29 ' 36 "
NE	34 ° 18 ' 12 "	118 ° 28 ' 40 "
SE	34 ° 17 ' 20 "	118 ° 27 ' 56 "
SW	34 ° 16 ' 42 "	118 ° 28 ' 48 "

OR

LATITUDE AND LONGITUDE COORDINATES DEFINING THE CENTER POINT OF A PROPERTY OF LESS THAN TEN ACRES

LATITUDE			LONGITUDE		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
°	'	"	°	'	"

APPROXIMATE ACREAGE OF NOMINATED PROPERTY: 600 acres

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE:	CODE	COUNTY	CODE
STATE:	CODE	COUNTY:	CODE
STATE:	CODE	COUNTY:	CODE
STATE:	CODE	COUNTY:	CODE

11. FORM PREPARED BY

NAME AND TITLE:
Gerald R. Gates, President and Dr. Antonio Gilman, Faculty Advisor

ORGANIZATION: Northridge Archaeological Research Center (Dept. of Anthro.)

DATE: Oct. 25, 1974

STREET AND NUMBER:
California State University, Northridge, 18111 Nordhoff Street.

CITY OR TOWN: Northridge

STATE: California 91324

CODE:

12. STATE LIAISON OFFICER CERTIFICATION

As the designated State Liaison Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service. The recommended level of significance of this nomination is:

National ☐ State ☐ Local ☐

Name _____

Title _____

Date _____

NATIONAL REGISTER VERIFICATION

I hereby certify that this property is included in the National Register.

_____
Director, Office of Archeology and Historic Preservation

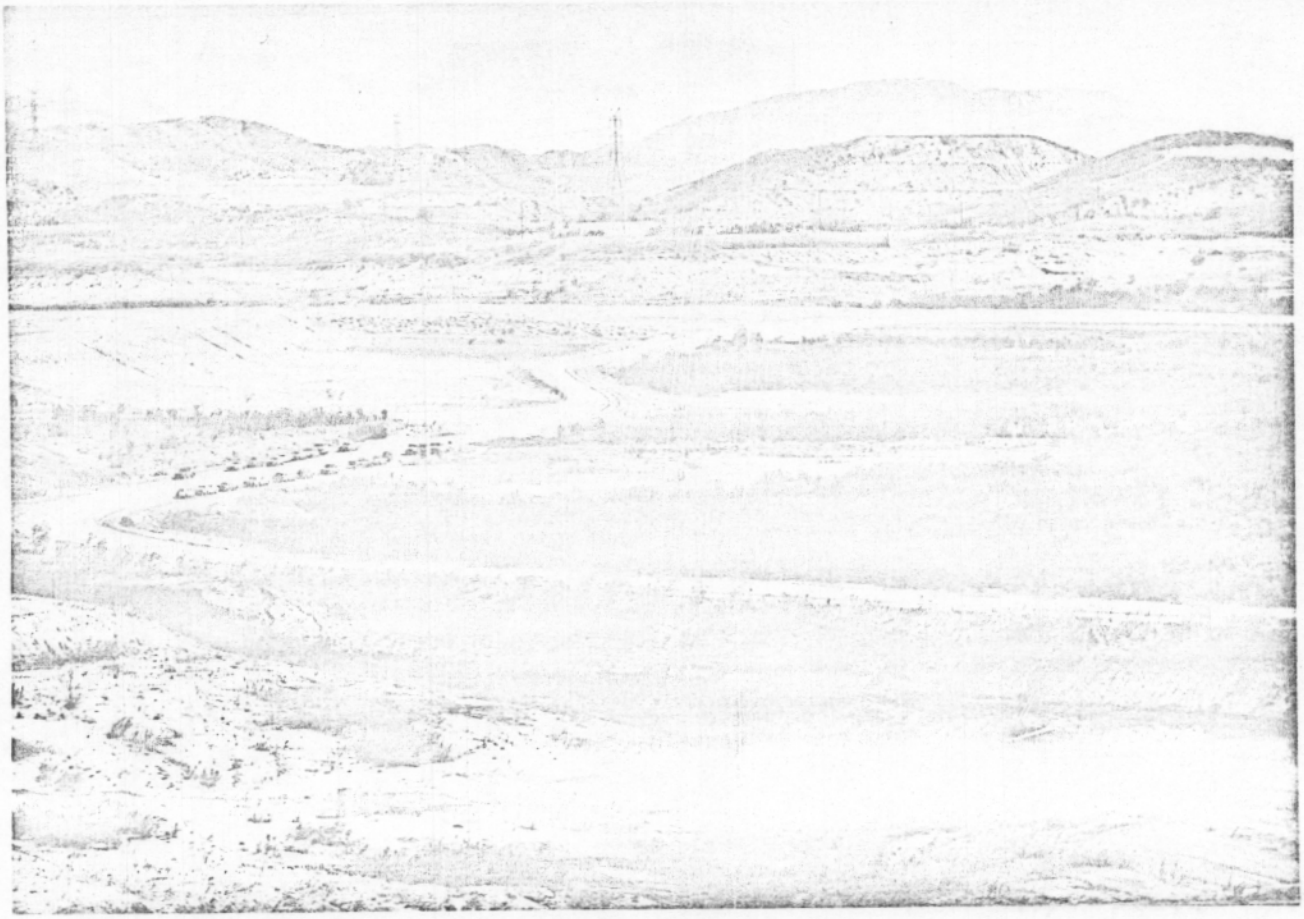
Date _____

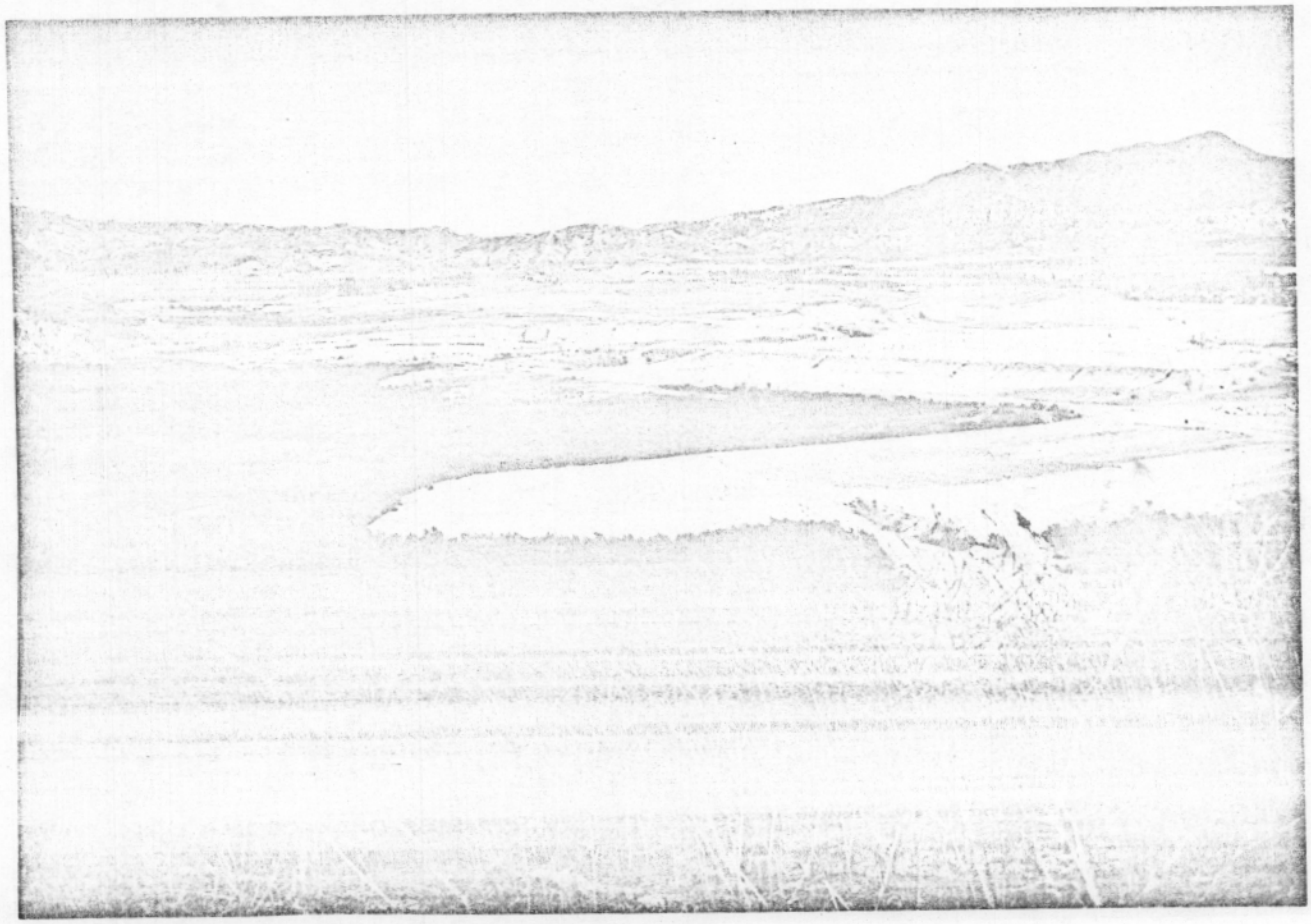
ATTEST:

_____
Keeper of The National Register

Date _____

SEE INSTRUCTIONS





QUADRANGLE LOCATION

AL MAP ACCURACY STANDARDS
COLORADO 80225, OR WASHINGTON, D. C. 20242
AND SYMBOLS IS AVAILABLE ON REQUEST

SAN FERNANDO, CALIF.
SW/4 SAN FERNANDO 15' QUADRANGLE
N3415—W11822.5/7.5

1966

AMS 2352 IV SW—SERIES V895

Van Norman Reservoir Archeological District

Comment on Integrity:

Area contains sites which were under the old reservoir from 1915 to 1971. Several sites have been altered or destroyed by recent construction, but enough unaltered sites remain to constitute a district which could yield valuable archeological information.

National Register Criteria of Evaluation: (Opinion)

Events ------- negligible

Persons ------ minor

Type or Period unknown, inferred to be significant examples

Information Yield -- strong--high potential for yeilding archeological information

General Comments:

Review of staff and State Parks Archeologist indicates the that the site offers a unique opportunity for yielding information, since the sites were formerly covered by a reservoir and recently reexposed. Because of the scarcity of unaltered sites in the Los Angeles Basin area, these sites could provide valuable archeological information. Recommended for placement on the National Register at the local level.

19-175538

STATE OF CALIFORNIA—RESOURCES AGENCY

EDMUND G. BROWN JR., Governor

STATE HISTORICAL RESOURCES COMMISSION
DEPARTMENT OF PARKS AND RECREATION
POST OFFICE BOX 2390
SACRAMENTO, CALIFORNIA 95811
(916) 445-8006

January 8, 1976

Dr. Clement W. Meighan, Chairman
and Members
State Historical Resources Commission

Van Norman Reservoir
Archeological District

Dear Commissioners:

This application was previously approved by this Commission. At that time the area was one large contiguous district. The approval was granted with the stipulation that the sponsor and owner delineate boundaries which would be mutually acceptable. The revised boundaries will require formal approval by the Commission prior to submission to the Keeper of the National Register. While never officially moninated to the Register, the Secretary of the Interior (in accordance with Executive Order 11593) has determined the district is eligible for placement on the Register. A larger scale map showing the revised boundaries ~~will be presented at the meeting for your~~ is consideration.

included

Sincerely,

Knox Mellon

Dr. Knox Mellon
Executive Secretary

attach

19-175538

Form 10-300
(Rev. 6-72)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES INVENTORY – NOMINATION FORM

(Type all entries - complete applicable sections)

STATE: California
COUNTY: Los Angeles
FOR NPS USE ONLY
ENTRY DATE

SEE INSTRUCTIONS

1. NAME

COMMON:
Van Norman (or Los Angeles)Reservoir Archaeological District

AND/OR HISTORIC:
Geronimo Lopez and C.R.Rinaldi Ranchos; San Fernando Reservoir #2

2. LOCATION

STREET AND NUMBER:
15751 Rinaldi Street

CITY OR TOWN: Granada Hills
CONGRESSIONAL DISTRICT: 27th

STATE: California
CODE:
COUNTY: Los Angeles
CODE:

3. CLASSIFICATION

CATEGORY (Check One)	OWNERSHIP		STATUS	ACCESSIBLE TO THE PUBLIC
☒ District ☐ Building ☐ Site ☐ Structure ☐ Object	☒ Public ☐ Private ☐ Both	Public Acquisition: ☐ In Process ☐ Being Considered	☐ Occupied ☒ Unoccupied ☐ Preservation work in progress	Yes: ☒ Restricted ☐ Unrestricted ☐ No

PRESENT USE *(Check One or More as Appropriate)*

☐ Agricultural ☐ Government ☐ Park ☐ Transportation ☐ Comments
☐ Commercial ☐ Industrial ☐ Private Residence ☒ Other *(Specify)*
☐ Educational ☐ Military ☐ Religious
☐ Entertainment ☐ Museum ☐ Scientific

Reservoir (Drained)

4. OWNER OF PROPERTY

OWNER'S NAME:
Department of Water and Power, City of Los Angeles

STREET AND NUMBER:
111 North Hope Street

CITY OR TOWN: Los Angeles
STATE: California 90051
CODE:

5. LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC:
Los Angeles County Assessor

STREET AND NUMBER:
14550 Archwood

CITY OR TOWN: Van Nuys
STATE: California
CODE:

6. REPRESENTATION IN EXISTING SURVEYS

TITLE OF SURVEY:
Cultural Resources of the Los Angeles Reservoir

DATE OF SURVEY: January 1974 ☐ Federal ☐ State ☐ County ☒ Local

DEPOSITORY FOR SURVEY RECORDS: Northridge Archaeological Research Center
Dept. of Anthropology, California State University, Northridge

STREET AND NUMBER:
18111 Nordhoff St.

CITY OR TOWN: Northridge
STATE: California 91324
CODE:

STATE
COUNTY:
ENTRY NUMBER
DATE
FOR NPS USE ONLY

7. DESCRIPTION

CONDITION	(Check One) ☐ Excellent ☐ Good ☐ Fair ☐ Deteriorated ☐ Ruins ☒ Unexposed	
	(Check One) ☒ Altered ☐ Unaltered	(Check One) ☐ Moved ☒ Original Site

DESCRIBE THE PRESENT AND ORIGINAL *(if known)* PHYSICAL APPEARANCE

Present Physical Appearance:

The majority of the area under consideration had been covered by reservoir waters since 1915. The reservoir was drained in 1971. Since that time in the low lying portions of the reservoir a thick "marshy" type vegetation has grown, including such plants as cattails, willows, cotton woods, etc. At the higher and drier elevations the vegetation consists mainly of Indian Tobacco (Nicotina glauca) and various sages and short grasses. A layer of light grey silt, varying in depth from 6 inches to 3 feet, covers most of the recently, unmodified areas of the reservoir bottom. Basically, the area consists of the lower end of Bee Creek Canyon where it terminates into the San Fernando Valley proper. Several minor unnamed side drainages result in a gently rolling hilly area cut by small valleys. Because of recent (1971) earth moving activities roughly 45% of the proposed district has been extensively modified. The areas that are unmodified contain the archaeological sites either whole or fragmentary. The sites are located at the bases of gently sloping hills which have been graded extensively. Fortunately, the sites, in an unknown % have survived. The sites remain as "island" patches of the original unmodified terrain.

Original Physical Appearance:

From early photographs (c.1913) the area under consideration was an alluvial valley (Bee Creek) covered with native California grasses, Oak, chaparral and various sages. During construction of the San Fernando Reservoir hydraulic methods were used to obtain fill material for dam construction. As a result, much of the area immediately north of the dam was hydraulically removed and lowered in elevation. Hills adjacent to the dam were also quarried for fill material.

As a result of construction earth moving activities in 1912-1915, 1940 and 1971 only fragments of the original terrain remain. However, these fragments contain basically, undisturbed archaeological remains.

SEE INSTRUCTIONS

at age 18, Geronimo Lopez carried the flag of truce to General John C. Fremont as his battalion entered the valley. In 1842, Geronimos uncle, Francisco Lopez. had discovered gold in nearby Placerita Canyon). In 1869 Geronimo and his wife, Catalina, had an adobe built. That building served as the valleys first Post Office, as a stage depot, Inn, stopping place for freight wagons to and from the Cerrdo Gordo mines and as the first and only general store in the Valley until 1874. A ranch out building severed as the valleys first English-language school. In the early 1870's C.R. Rinaldi purchased the remainder of the property and built a small adobe across the stage road from the Lopez adobe.

In addition to the above adobes there were many other "ranch buildings" belonging to the small ranchos. The Los Angeles Water Board (now the Dept. of Water and Power) purchased the land in 1912. At that time, most if not all of the structures were dynamited. The exact location of the structures is not known due to poor maps of the area not adequate enough to show these locations. However, archaeological evidence now tends to indicate that the present recorded sites may be the location of one or more of the now missing structures. Without adequate profection these remnants of the San Fernando Valleys colorful historic and prehistoric past may be lost forever.

9. Major Bibliographical References

Robinson, W.W.
1966 The Spanish and Mexican Ranchos of the San Fernando Valley, SouthWest Museum Leaflet No. 31. Los Angeles.

The Valley of San Fernando, The San Fernando Valley Chapter of the
1924 Daughters of the American Revolution.

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- [ ] Communications
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1934 History of San Fernando Valley

Robinson, W.W.
N.D. Fabulous San Fernando Valley, Western Federal Savings Pamphlet, Los Angeles

10. GEOGRAPHICAL DATA

LATITUDE AND LONGITUDE COORDINATES DEFINING A RECTANGLE LOCATING THE PROPERTY						OR	LATITUDE AND LONGITUDE COORDINATES DEFINING THE CENTER POINT OF A PROPERTY OF LESS THAN TEN ACRES					
CORNER	LATITUDE			LONGITUDE				LATITUDE			LONGITUDE	
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
NW	34 °	17 '	30 "	118 °	29 '	36 "		°	'	"	°	'	"
NE	34 °	18 '	12 "	118 °	28 '	40 "							
SE	34 °	17 '	20 "	118 °	27 '	56 "							
SW	34 °	16 '	42 "	118 °	28 '	48 "							

APPROXIMATE ACREAGE OF NOMINATED PROPERTY:

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE:	CODE	COUNTY	CODE
STATE:	CODE	COUNTY:	CODE
STATE:	CODE	COUNTY:	CODE
STATE:	CODE	COUNTY:	CODE

11. FORM PREPARED BY

NAME AND TITLE:
Gerald R. Gates, President and Dr. Antonio Gilman, Faculty Advisor

ORGANIZATION: Northridge Archaeological Research Center (Dept. of Anthro.)
DATE: Oct. 25, 1974

STREET AND NUMBER:
California State University, Northridge, 18111 Nordhoff Street.

CITY OR TOWN: Northridge
STATE: California 91324
CODE:

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As the designated State Liaison Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service. The recommended level of significance of this nomination is:

National ☐ State ☐ Local ☐

Name _____

Title _____

Date _____

NATIONAL REGISTER VERIFICATION

I hereby certify that this property is included in the National Register.

_____
Director, Office of Archeology and Historic Preservation

Date _____

ATTEST:

_____
Keeper of The National Register

Date _____

SEE INSTRUCTIONS

RECEIVED
DEC 19 1975
OHP

December 12, 1975

NORTHRIDGE
ARCHAEOLOGICAL
RESEARCH CENTER

18111 Nordhoff Street
Northridge, Calif. 91324
(213) 885-3575 · 885-3331

To : To Whom It May Concern

From : Gerald R. Gates
Public Relations Officer
NARC

Subject : National Register Nomination of the Van Norman Reservoir Archaeological Complex

Some further information regarding the archaeological sites contained within the designated complex is offered as follows:

1) CA-LAn-475, also known as the Lopez Adobe site, was the scene of excavations by a field class from California State University, Northridge for five semesters from Spring 1972 to Spring 1974 under the direction of Dr. Charles Rozaire with the assisstance of Gerald R. Gates. Less than 1% of the site was sampled. The material recovered from these excavations are stored at the Northridge Archaeological Research Center of C. S. U., Northridge.

2) Salvage excavations at CA-LAn-493 and CA-LAn-645, under a DWP contract were conducted in Fall 1974 and January 1975. These sites within the complex were not (except for the extreme eastern portion of LAn-493) placed on the nomination forms due to their planned destruction by reservoir construction. The materials recovered from these excavations are also stored at NARC. A copy of the report is included with this letter.

3) The total acreage involved in the areas nominated (CA-LAn-475, 490,491, 492, 493, 643, and 646) is approximately 100 to 150 acres. The revised boundries were submitted earlier in this year. Included with this letter is a smaller copy of that map with the present corrected site boundries.

4) A compilation of all work done in the Van Norman Complex and a search of historic records will be undertaken as a thesis project for work towards a M.A. degree in Anthropology by Gerald R. Gates of C. S. U., Northridge.

Respectfully,

Gerald R. Gates

Gerald R. Gates

Enclosures (2)

United States Department of the Interior

NATIONAL PARK SERVICE
WASHINGTON, D.C. 20240

IN REPLY REFER TO:

MAY 19 1975

H34-PR

Mr. Robert C. Stevens
Department of Housing and Urban Development
Federal Disaster Assistance Administration
120 Montgomery Street
San Francisco, California 94104

Dear Mr. Stevens:

Thank you for your request for a determination of eligibility for inclusion in the National Register on the Van Norman (or Los Angeles) Reservoir Archeological District involved in your proposed Los Angeles Dam and Reservoir Project pursuant to Executive Order 11593 as implemented by the procedures of the Advisory Council on Historic Preservation (36 CFR 800).

After review of the documentation on the district including the revised boundary maps, drawings, and legal descriptions, and in consultation with the office of the California State Historic Preservation Officer, we have determined that four separate areas, Site CA-LAN 643, Site CA-LAN 646, Site CA-LAN 490, and a cluster made up of Sites CA-LAN 475, 491, 492, and 493, are eligible for inclusion in the National Register under (D) of the Criteria for Evaluation. The determination with the revised boundaries is based on our understanding that the areas separating these sites have already been excavated or destroyed so that no archeological values remain.

As you understand, a request for our professional judgment pursuant to the Advisory Council's procedures in this regard, developed in consultation, inter alia, with the Department of Housing and Urban Development, constitutes a part of the Federal planning process. We urge that this information be integrated into the National Environmental Policy Act analysis to permit HUD to reach the most effective program decisions. This determination of eligibility for inclusion in the National Register does not serve in any manner as a veto to uses of such property, with or without Federal participation or assistance.

Any decision on the property in question and the responsibility for program planning concerning such properties lies with HUD after the Advisory Council on Historic Preservation has had an opportunity to comment.

We appreciate your cooperation on behalf of historic preservation.

Sincerely yours,

/S/ Ernest Allen Connally

Ernest Allen Connally
Associate Director,
Professional Services

cc: Mr. William Penn Mott, Jr.
Director, Department of Parks
and Recreation
State Resources Agency
Post Offic e Box 2390
Sacramento, California 95811 w/c inc.)

PR

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
FEDERAL DISASTER ASSISTANCE ADMINISTRATION
SAN FRANCISCO, CALIFORNIA 94104
120 Montgomery Street

REGION IX

IN REPLY REFER TO:

APR 08 1975

Dr. A. R. Mortensen APR 9 REC'D
Director, Office of Archaeological
and Historic Preservation
Attention: Ms Carol Shull
National Park Service
Department of Interior
Room 3113, "L" Street
Washington, D.C. 20240

RECEIVED
APR 15 1975
NATIONAL REGISTER

Gentlemen:

Reference is made to my letter of December 31, 1974, relative to the proposed Van Norman (or Los Angeles) Reservoir Archaeological District.

Pursuant to the preparation of a Federal environmental impact statement (EIS) on the proposed Los Angeles Dam and Reservoir project, this office has maintained contact with the California State Historic Preservation Officer and has monitored the on-going actions relative to the nomination of the above mentioned District to the National Register of Historic Places. To date, no decision on the proposed District has been received from the State Historic Preservation Officer. Attached as enclosure (1) is a draft copy of the presentation of facts pertaining to historic and archaeological sites to be included in the EIS. These facts present, in chronological order, the events which have occurred over the past year relative to this matter. The enclosure indicates that the State Historic Resources Commission met on January 9, 1975, to discuss the proposed District and, that as a result of that meeting, determined the need for a re-examination of the boundaries of that District and of the sites included in it.

Enclosure (2) includes data forwarded by the Los Angeles Department of Water and Power (LADWP) to the State Historic Preservation Officer on February 18, 1975. These data include revised drawings and legal descriptions of the proposed District to include the definition of four specific archaeological sites within the District. The revised boundaries and the definition of the sites within the District reflected in these data have been mutually agreed upon by the LADWP and Northridge University.

It is requested that enclosure (1) be reviewed by your office for adequacy. Comments on enclosure (1) should be provided to the EIS

Project Officer, Mr. J. G. Del Monte by telephone (415-556-8794) as soon as possible. It is also requested that this office be advised on any determination of eligibility on the proposed District by the Secretary of Interior.

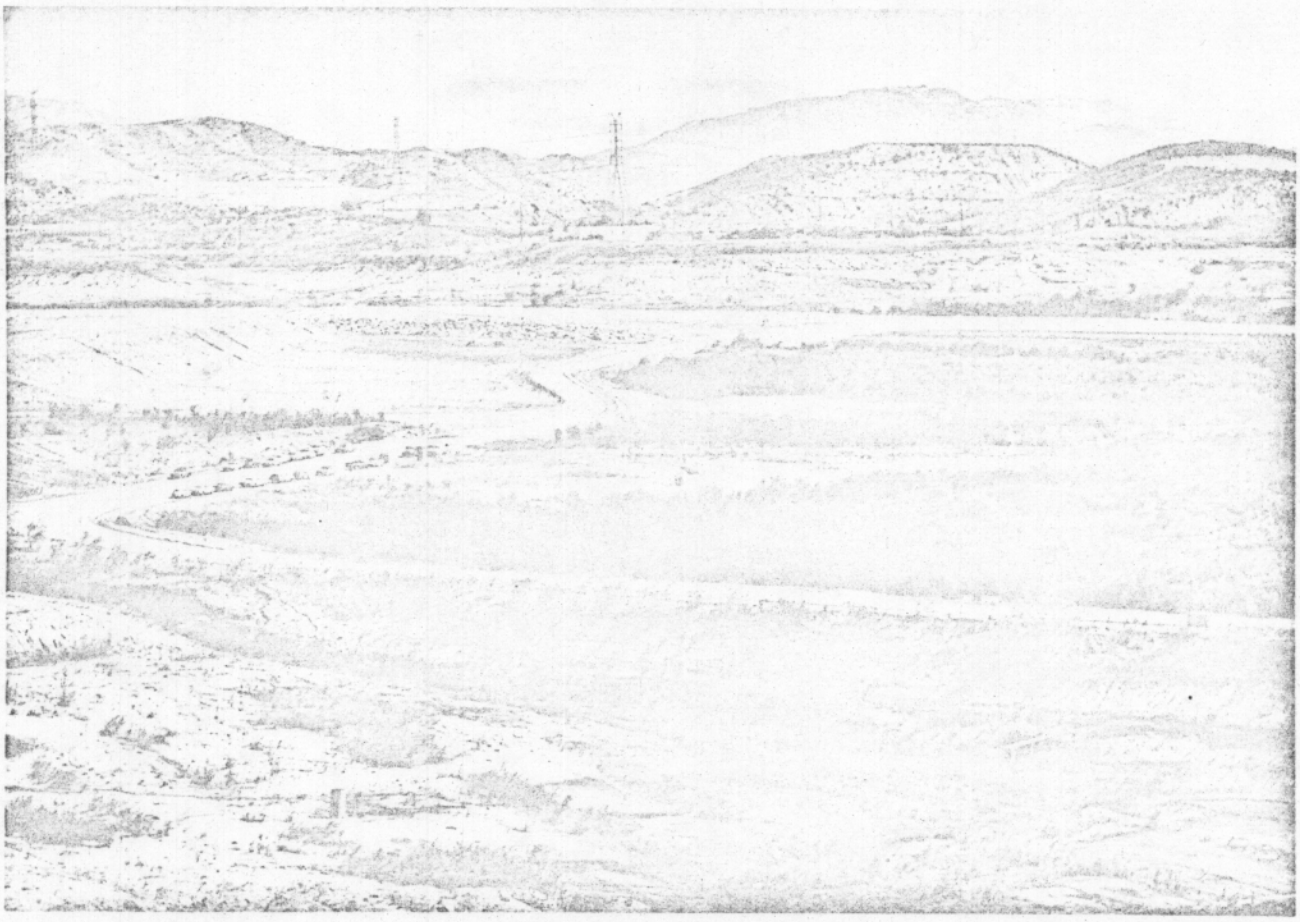
Sincerely,

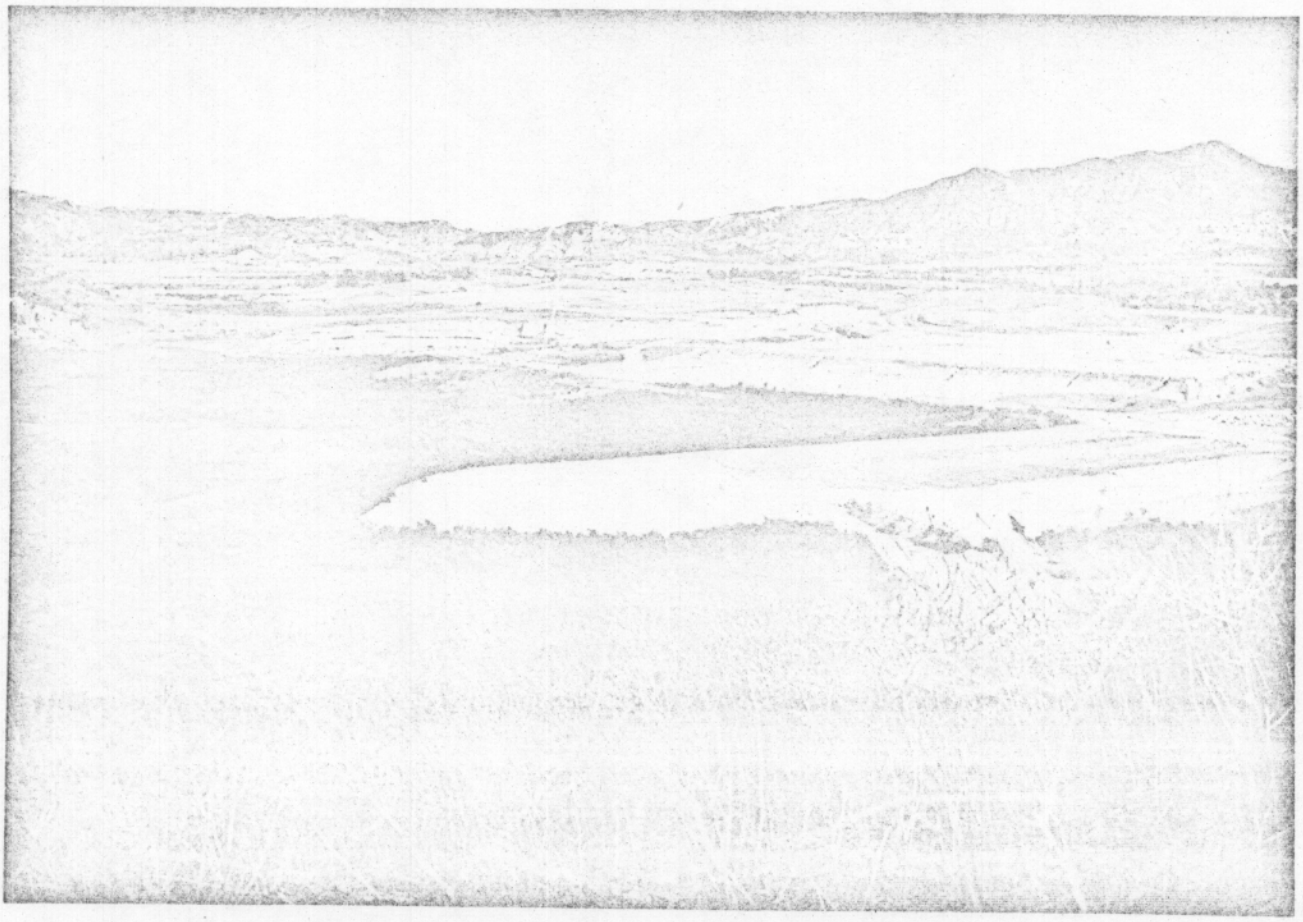
ROBERT C. STEVENS
Regional Director

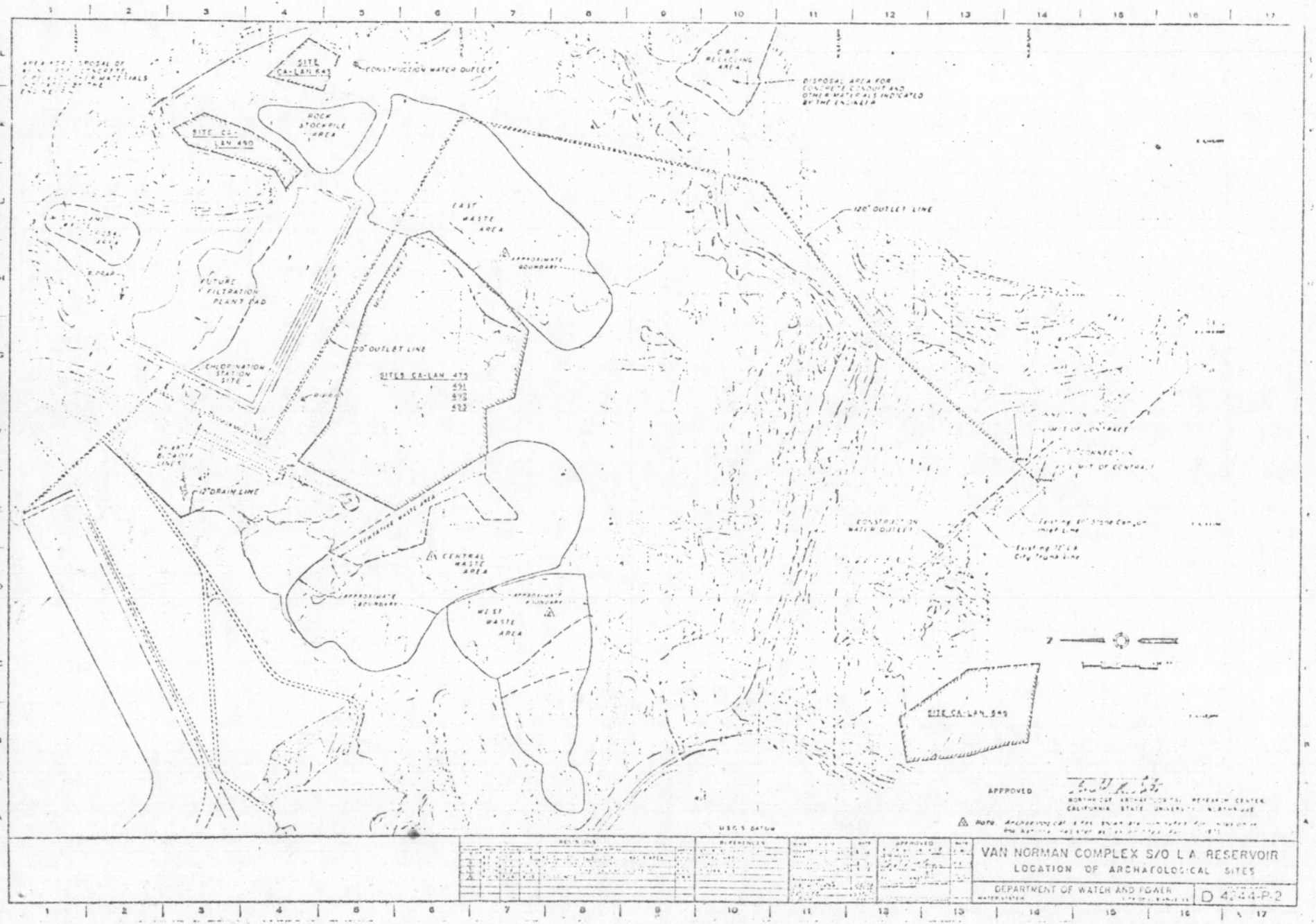
2 Enclosures

cc:
Advisory Council on Historic Preservation
Post Office Box 25085
Denver, Colorado 80225

Department of Housing and Urban Development
Room 7264
451 - 7th Street, S.W.
Washington, D.C. 20410
Attention: Historic Preservation Officer

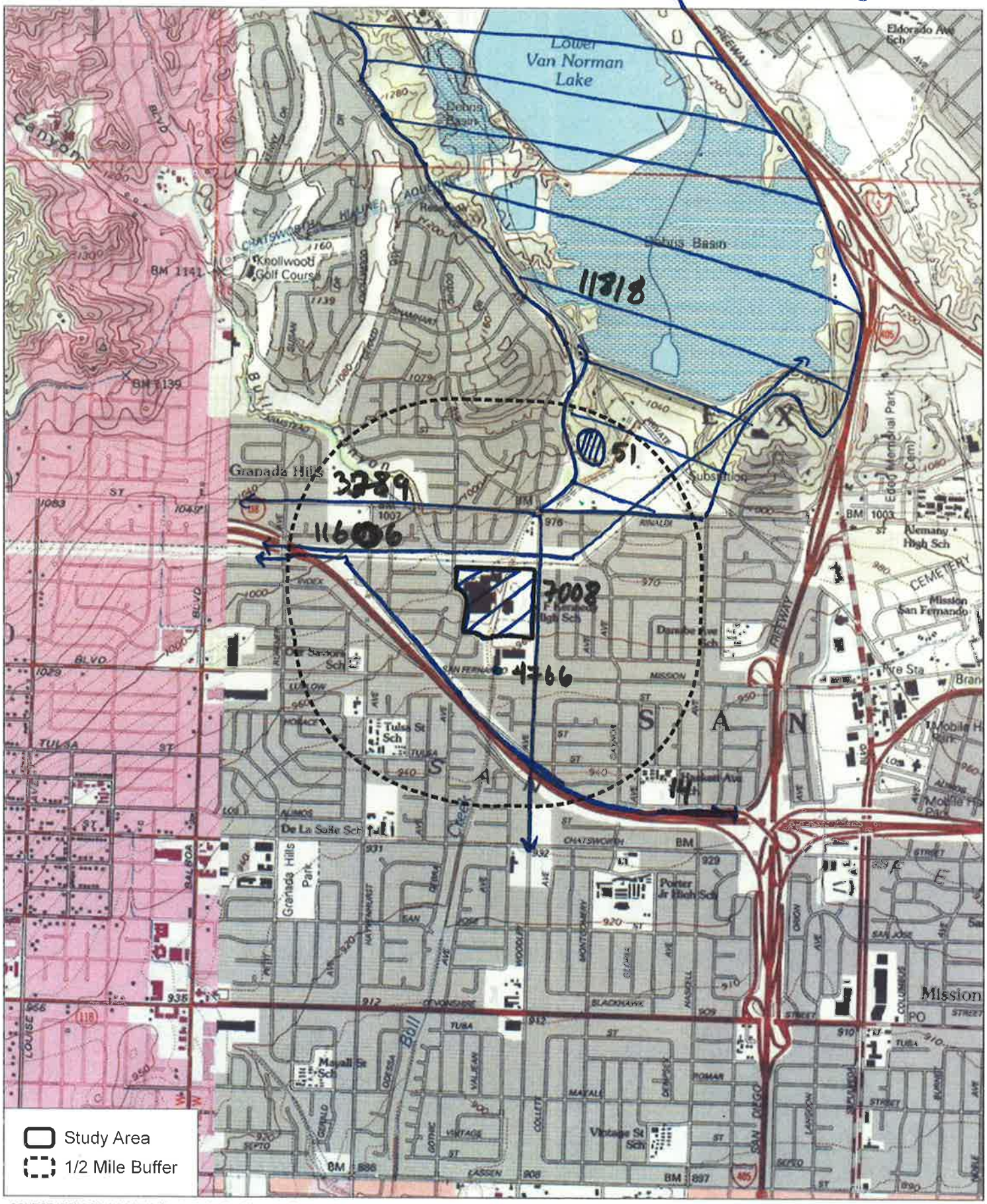






SITE CA-LAN 643
CONSTRUCTION WATER OUTLET
ROCK STOCKPILE AREA
SITE CA-LAN 490
EAST WASTE AREA
APPROXIMATE BOUNDARY
120" OUTLET LINE
FUTURE FILTRATION PLANT PAD
CHLORINATION STATION SITE
70" OUTLET LINE
SITES CA-LAN 475
491
492
493
12" DRAIN LINE
TENTATIVE WASTE AREA
CENTRAL WASTE AREA
WEST WASTE AREA
CONSTRUCTION WATER OUTLET
SITE CA-LAN 545
DISPOSAL AREA FOR CONCRETE CONDUIT AND OTHER MATERIALS INDICATED BY THE ENGINEER
APPROVED
NORTHWEST ARCHAEOLOGICAL RESEARCH CENTER
CALIFORNIA STATE UNIVERSITY, NORTHRIDGE
U.S.G.S. DATUM
VAN NORMAN COMPLEX S/O L.A. RESERVOIR
LOCATION OF ARCHAEOLOGICAL SITES
DEPARTMENT OF WATER AND POWER
D 4244-P-2

REPORTS



SOURCE: SOURCE: USGS 7.5-Minute Series San Fernando Quadrangle
Township 2N, Range 15W, Sections 5, 6, 7, 8

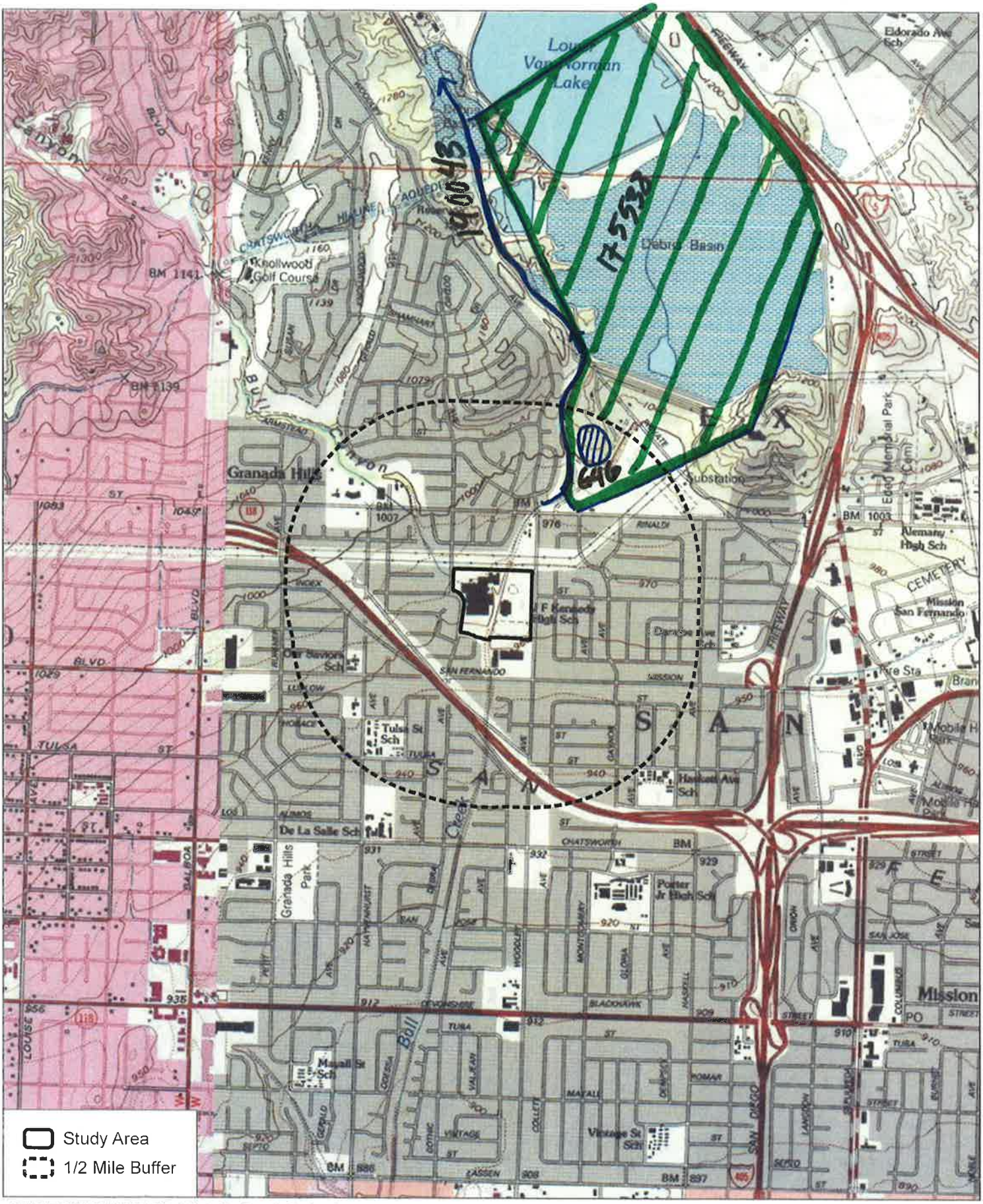
DUDEK

0 1,000 2,000 Feet
0 285 570 Meters
1:24,000

14, 51, 3289, 4766, 7008, 11818, 116006

Records Search
LAUSD Kennedy High School MND

RESOURCES



SOURCE: SOURCE: USGS 7.5-Minute Series San Fernando Quadrangle
Township 2N; Range 15W; Sections 5, 6, 7, 8

DUDEK

0 1,000 2,000 Feet
0 285 570 Meters
1:24,000

646, 190043, 175538

3

Records Search
LAUSD Kennedy High School MND

19-000646

University of California

ARCHAEOLOGICAL SITE SURVEY RECORD

1. Site LAn-646H 2. Map San Fernando 7.5" 3. County Los Angeles

4. Twp. T.2N. Range R.15W.; _____ 1/4 of _____ 1/4 of Sec. _____

5. Location Southernmost site, located on the southern end of a sloping ridge overlooking baseball diamonds and modern DWP buildings.

6. On contour elevation about 1060 feet

7. Previous designations for site V.S 11

8. Owner L.A. Dept. of Water and Power 9. Address _____

10. Previous owners, dates see LAn-642 and 643

11. Present tenant DWP and its caretakers

12. Attitude toward excavation Unknown, site is well preserved and not threatened

13. Description of site Site is on a sloping hillside bench. Has a possible historic grave (a small oval area ringed with cobbles)

14. Area sloping hillside benches 15. Depth unknown 16. Height _____

17. Vegetation Sage, yucca, grasses 18. Nearest water Canyon stream 100 meters west and 100 meters east.

19. Soil of site light grey sandy b 20. Surrounding soil type light yellowish/grey sandy alluvium

21. Previous excavation None

22. Cultivation None 23. Erosion None

24. Buildings, roads, etc. Road cut along SW edge

25. Possibility of destruction Not at present unless DWP changes planned development

26. House pits NONE

27. Other features None

28. Burials One possible historic "grave"

29. Artifacts Granite metate frags, granite mano frags, lithic detritus, cores

30. Remarks Possible milling area

31. Published references See Lan-642 and 643

32. Accession No. VS-45 33. Sketch map Attached

34. Date 1/29/74 35. Recorded by KELLey, Gates, McIntyre 36. Photos Bente'

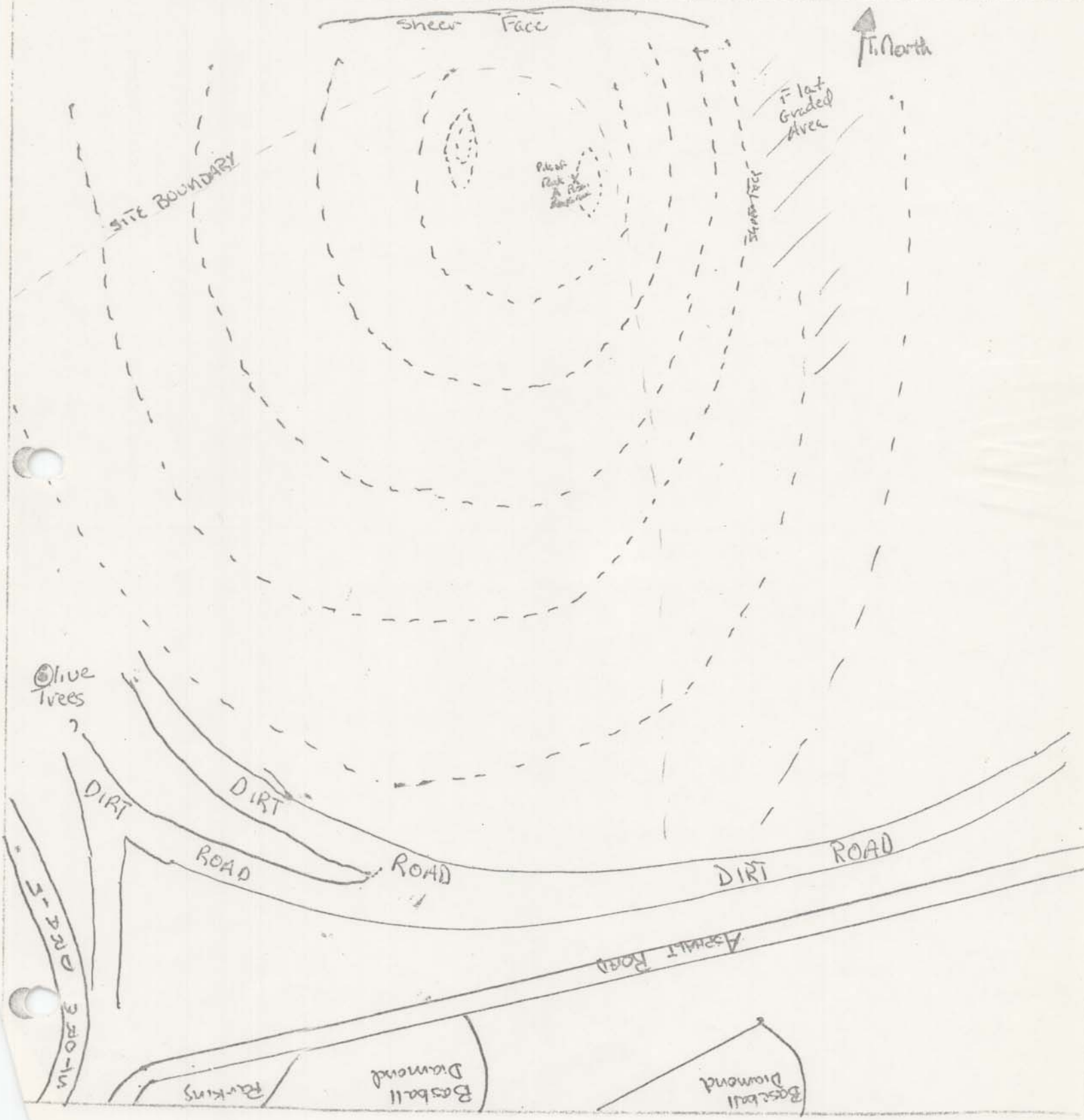
19-000646

26. RECORDED BY Kelly, Gates, Bente!, and McIntyre 27. DATE RECORDED 1/30/74

28. DETAILED SKETCH MAP OF SITE:

SCALE:

DIRECTION NORTH (INDICATE IF MAG. NORTH OR T. NORTH)



19-175538

STATE OF CALIFORNIA—RESOURCES AGENCY

RONALD REAGAN, Governor

CALIFORNIA HISTORICAL LANDMARKS ADVISORY COMMITTEE
DEPARTMENT OF PARKS AND RECREATION
POST OFFICE BOX 2390
SACRAMENTO, CALIFORNIA 95811

December 31, 1974

Mrs. Kathryn H. Kaiser, Chairman
Mr. Andrew M. Genzoli
Mr. Raymond Girvigian
Dr. Clement W. Meighan
Rev. Noel F. Moholy
Mr. Glen A. Settle
Dr. R. Coke Wood, Members
California Historical Landmarks Advisory Committee

There is attached for your consideration an application for the registration of the Van Norman Reservoir Archeological District, Los Angeles County, submitted by the Northridge Archeological Research Center, California State University, Northridge.

Sincerely

James M. Doyle
Assistant Executive Secretary

19-175538

19-175538.

Form 10-300
(Rev. 6-72)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES INVENTORY – NOMINATION FORM

(Type all entries - complete applicable sections)

STATE: California
COUNTY: Los Angeles
FOR NPS USE ONLY
ENTRY DATE

SEE INSTRUCTIONS

1. NAME

COMMON:
Van Norman (or Los Angeles)Reservoir Archaeological District

AND/OR HISTORIC:
Geronimo Lopez and C.R.Rinaldi Ranchos; San Fernando Reservoir #2

2. LOCATION

STREET AND NUMBER:
15751 Rinaldi Street

CITY OR TOWN: Granada Hills
CONGRESSIONAL DISTRICT: 27th

STATE: California | CODE:
COUNTY: Los Angeles | CODE:

3. CLASSIFICATION

CATEGORY (Check One)	OWNERSHIP		STATUS	ACCESSIBLE TO THE PUBLIC
[X] District [ ] Building [ ] Site [ ] Structure [ ] Object	[X] Public [ ] Private [ ] Both	Public Acquisition: [ ] In Process [ ] Being Considered	[ ] Occupied [X] Unoccupied [ ] Preservation work in progress	Yes: [X] Restricted [ ] Unrestricted [ ] No

PRESENT USE *(Check One or More as Appropriate)*

[ ] Agricultural [ ] Government [ ] Park [ ] Transportation [ ] Comments
[ ] Commercial [ ] Industrial [ ] Private Residence [X] Other *(Specify)*
[ ] Educational [ ] Military [ ] Religious
[ ] Entertainment [ ] Museum [ ] Scientific

Reservoir (Drained)

4. OWNER OF PROPERTY

OWNER'S NAME:
Department of Water and Power, City of Los Angeles

STREET AND NUMBER:
111 North Hope Street

CITY OR TOWN: Los Angeles
STATE: California 90051 | CODE:

5. LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC:
Los Angeles County Assessor

STREET AND NUMBER:
14550 Archwood

CITY OR TOWN: Van Nuys
STATE: California | CODE:

6. REPRESENTATION IN EXISTING SURVEYS

TITLE OF SURVEY:
Cultural Resources of the Los Angeles Reservoir

DATE OF SURVEY: January 1974 [ ] Federal [ ] State [ ] County [X] Local

DEPOSITORY FOR SURVEY RECORDS: Northridge Archaeological Research Center
Dept. of Anthropology, California State University, Northridge

STREET AND NUMBER:
18111 Nordhoff St.

CITY OR TOWN: Northridge
STATE: California 91324 | CODE:

STATE:
COUNTY:
FOR NPS USE ONLY
ENTRY NUMBER
DATE

7. DESCRIPTION

CONDITION	(Check One)					
	☐ Excellent	☐ Good	☐ Fair	☐ Deteriorated	☐ Ruins	☒ Unexposed
	(Check One)			(Check One)		
	☒ Altered	☐ Unaltered		☐ Moved	☒ Original Site	

DESCRIBE THE PRESENT AND ORIGINAL *(if known)* PHYSICAL APPEARANCE

Present Physical Appearance:

The majority of the area under consideration had been covered by reservoir waters since 1915. The reservoir was drained in 1971. Since that time in the low lying portions of the reservoir a thick "marshy" type vegetation has grown, including such plants as cattails, willows, cotton woods, etc. At the higher and drier elevations the vegetation consists mainly of Indian Tobacco (Nicotina glauca) and various sages and short grasses. A layer of light grey silt, varying in depth from 6 inches to 3 feet, covers most of the recently, unmodified areas of the reservoir bottom. Basically, the area consists of the lower end of Bee Creek Canyon where it terminates into the San Fernando Valley proper. Several minor unnamed side drainages result in a gently rolling hilly area cut by small valleys. Because of recent (1971) earth moving activities roughly 45% of the proposed district has been extensively modified. The areas that are unmodified contain the archaeological sites either whole or fragmentary. The sites are located at the bases of gently sloping hills which have been graded extensively. Fortunately, the sites, in an unknown % have survived. The sites remain as "island" patches of the original unmodified terrain.

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From early photographs (c.1913) the area under consideration was an alluvial valley (Bee Creek) covered with native California grasses, Oak, chaparral and various sages. During construction of the San Fernando Reservoir hydraulic methods were used to obtain fill material for dam construction. As a result, much of the area immediately north of the dam was hydraulically removed and lowered in elevation. Hills adjacent to the dam were also quarried for fill material.

As a result of construction earth moving activities in 1912-1915, 1940 and 1971 only fragments of the original terrain remain. However, these fragments contain basically, undisturbed archaeological remains.

SEE INSTRUCTIONS

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In addition to the above adobes there were many other "ranch buildings" belonging to the small ranchos. The Los Angeles Water Board (now the Dept. of Water and Power) purchased the land in 1912. At that time, most if not all of the structures were dynamited. The exact location of the structures is not known due to poor maps of the area not adequate enough to show these locations. However, archaeological evidence now tends to indicate that the present recorded sites may be the location of one or more of the now missing structures. Without adequate profection these remnants of the San Fernando Valleys colorful historic and prehistoric past may be lost forever.

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The Valley of San Fernando, The San Fernando Valley Chapter of the
1924 Daughters of the American Revolution.

8. SIGNIFICANCE

PERIOD *(Check One or More as Appropriate)*

- [x] Pre-Columbian
- [x] 15th Century
- [x] 16th Century
- [x] 17th Century
- [x] 18th Century
- [x] 19th Century
- [x] 20th Century

SPECIFIC DATE(S) *(If Applicable and Known)* Historic Period - 1830's to 1912 A.D.

AREAS OF SIGNIFICANCE *(Check One or More as Appropriate)*

- Aboriginal
  - [x] Prehistoric
  - [x] Historic
- [ ] Agriculture
- [x] Architecture
- [ ] Art
- [ ] Commerce
- [ ] Communications
- [ ] Conservation
- [x] Education
- [ ] Engineering
- [ ] Industry
- [ ] Invention
- [ ] Landscape Architecture
- [ ] Literature
- [ ] Military
- [ ] Music
- [ ] Political
- [ ] Religion/Philosophy
- [ ] Science
- [ ] Sculpture
- [ ] Social/Humanitarian
- [ ] Theater
- [x] Transportation
- [ ] Urban Planning
- [ ] Other *(Specify)*

STATEMENT OF SIGNIFICANCE

SEE INSTRUCTIONS

Included within the proposed district are the remnants of at least nine prehistoric/historic archaeological sites. This cluster of known sites is presently the greatest known and recorded concentration of archaeological sites in the northern San Fernando Valley. These sites are recorded at the U.C.L.A. Archaeological Survey as CA-LAn-475, LAn-490, LAn-491, LAn-492, LAn-493, LAn-642, LAn-643, LAn-645, and LAn-646. Pf these, CA-LAn-642 was judged as disturbed to such an extent to be labled as "destroyed". Both LAn-493 and LAn-645 are threatened with destruction during the construction of the proposed Los Angeles Dam and Reservoir.

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Historically, it is known that both LAn-475 and LAn-493 contain historic period Spanish/Anglo components overlying the aboriginal material. Possibly both LAn-492 may contain historical period materials. The present silt covering prohibits a definite statement at this time. Present archaeological excavations at LAn-493 have revealed an historic roof tile scatter that nay overly a structure.

The area of the proposed district was originally part of the San Fernando Mission grant of 1797. After secularization in the 1830's the Bee Creek area was granted to a Mission Indian named Jose Miguel (also known as Samuel). In 1850 or 1851 a U.S. Lands Court Decision turned the land over to Mrs. Maria de Los Angeles Burrows. In 1855 she sold a portion of the property to Geronimo Lopez. (In 1847,

9. MAJOR BIBLIOGRAPHICAL REFERENCES

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1916 Construction of the Los Angeles Aqueduct, Final Report.

Keffer, Frank McC.
1934 History of San Fernando Valley

Robinson, W.W.
N.D. Fabulous San Fernando Valley, Western Federal Savings Pamphlet, Los Angeles

10. GEOGRAPHICAL DATA

LATITUDE AND LONGITUDE COORDINATES DEFINING A RECTANGLE LOCATING THE PROPERTY

CORNER	LATITUDE	LONGITUDE
	Degrees Minutes Seconds	Degrees Minutes Seconds
NW	34 ° 17 ' 30 "	118 ° 29 ' 36 "
NE	34 ° 18 ' 12 "	118 ° 28 ' 40 "
SE	34 ° 17 ' 20 "	118 ° 27 ' 56 "
SW	34 ° 16 ' 42 "	118 ° 28 ' 48 "

OR

LATITUDE AND LONGITUDE COORDINATES DEFINING THE CENTER POINT OF A PROPERTY OF LESS THAN TEN ACRES

LATITUDE			LONGITUDE		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
°	'	"	°	'	"

APPROXIMATE ACREAGE OF NOMINATED PROPERTY: 600 acres

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE:	CODE	COUNTY	CODE
STATE:	CODE	COUNTY:	CODE
STATE:	CODE	COUNTY:	CODE
STATE:	CODE	COUNTY:	CODE

11. FORM PREPARED BY

NAME AND TITLE:
Gerald R. Gates, President and Dr. Antonio Gilman, Faculty Advisor

ORGANIZATION: Northridge Archaeological Research Center (Dept. of Anthro.)

DATE: Oct. 25, 1974

STREET AND NUMBER:
California State University, Northridge, 18111 Nordhoff Street.

CITY OR TOWN: Northridge

STATE: California 91324

CODE:

12. STATE LIAISON OFFICER CERTIFICATION

As the designated State Liaison Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service. The recommended level of significance of this nomination is:

National ☐ State ☐ Local ☐

Name _____

Title _____

Date _____

NATIONAL REGISTER VERIFICATION

I hereby certify that this property is included in the National Register.

_____
Director, Office of Archeology and Historic Preservation

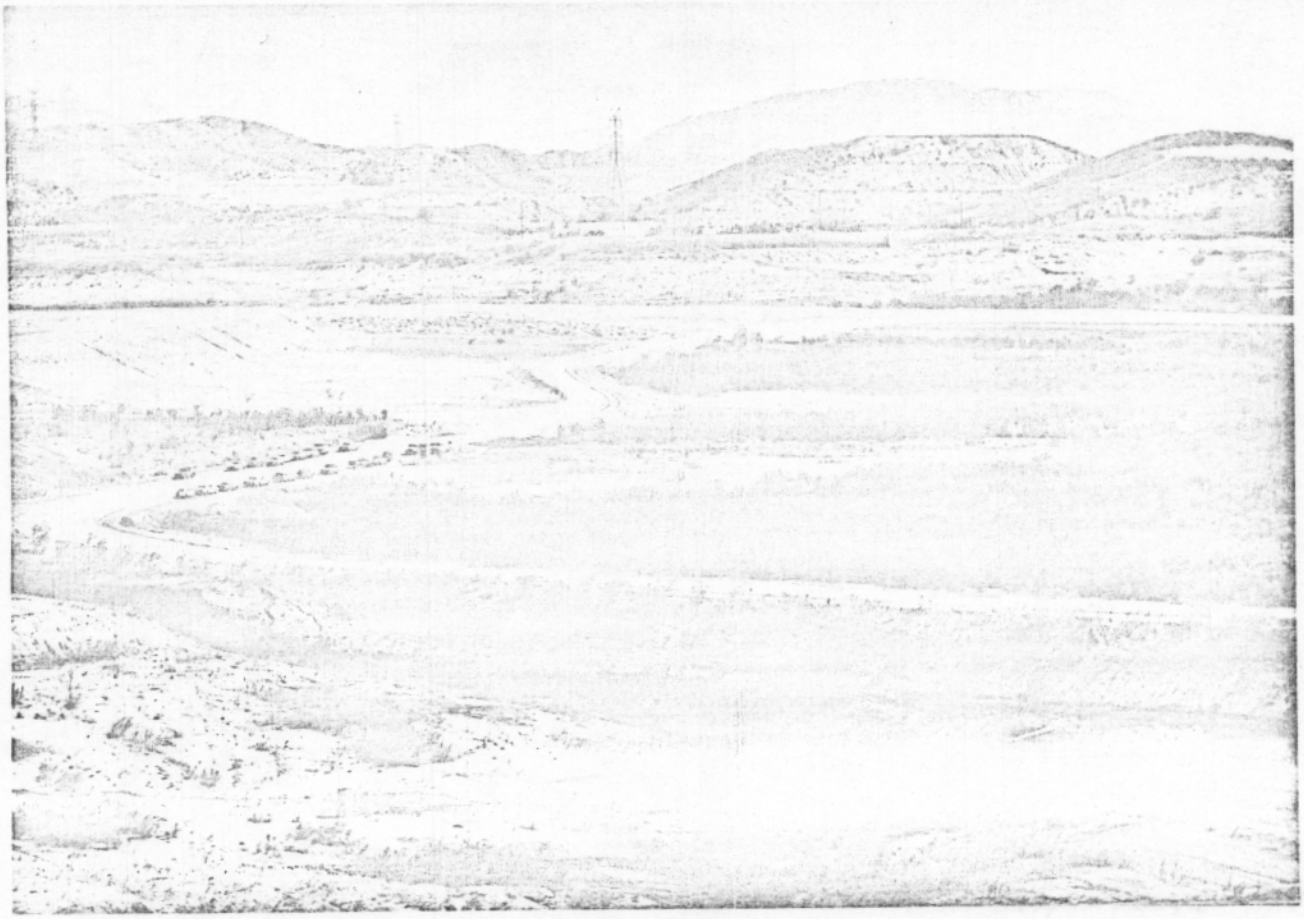
Date _____

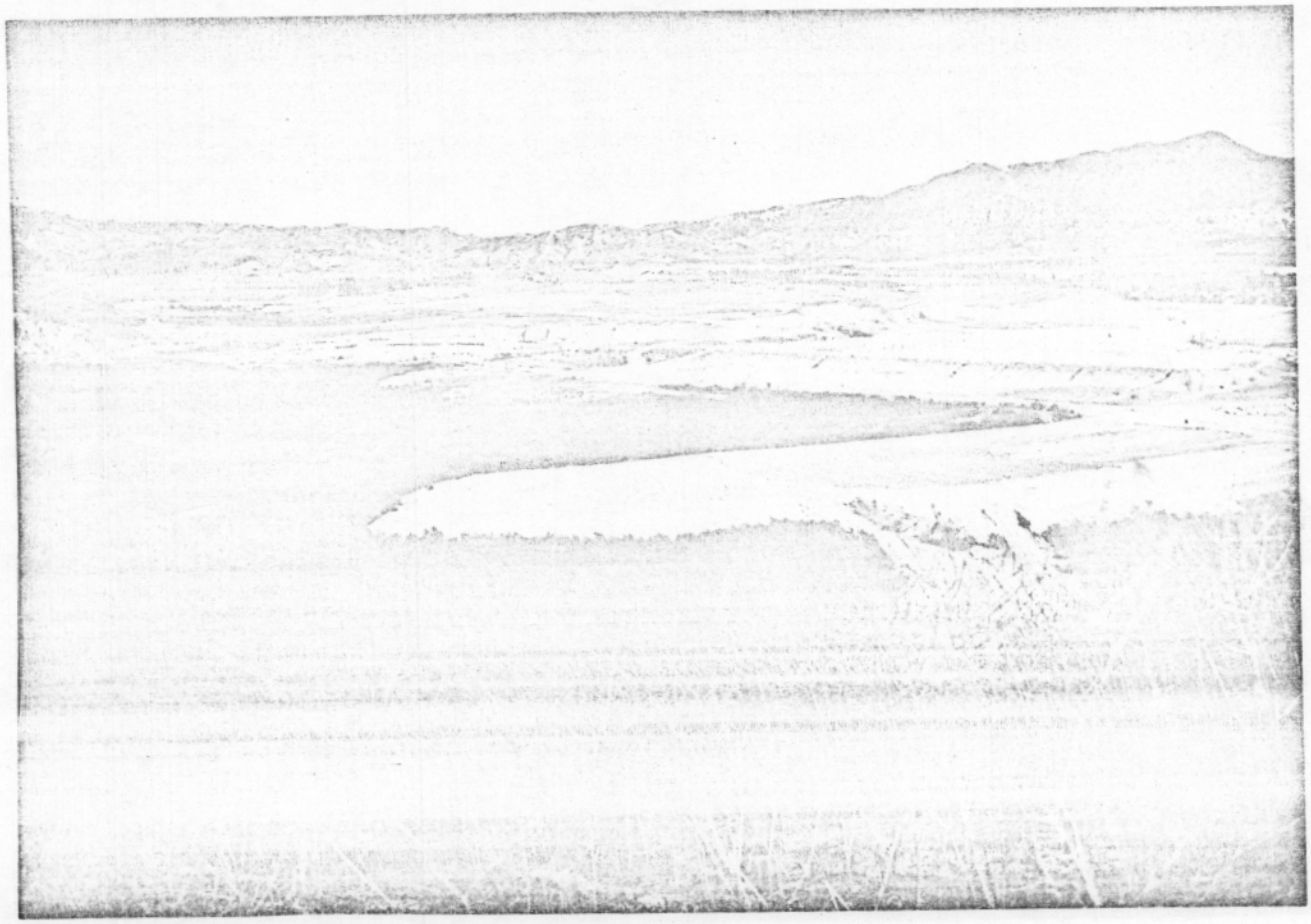
ATTEST:

_____
Keeper of The National Register

Date _____

SEE INSTRUCTIONS





QUADRANGLE LOCATION

AL MAP ACCURACY STANDARDS
COLORADO 80225, OR WASHINGTON, D. C. 20242
AND SYMBOLS IS AVAILABLE ON REQUEST

SAN FERNANDO, CALIF.
SW/4 SAN FERNANDO 15' QUADRANGLE
N3415—W11822.5/7.5

1966

AMS 2352 IV SW—SERIES V895

Van Norman Reservoir Archeological District

Comment on Integrity:

Area contains sites which were under the old reservoir from 1915 to 1971. Several sites have been altered or destroyed by recent construction, but enough unaltered sites remain to constitute a district which could yield valuable archeological information.

National Register Criteria of Evaluation: (Opinion)

Events ------- negligible

Persons ------ minor

Type or Period unknown, inferred to be significant examples

Information Yield -- strong--high potential for yeilding archeological information

General Comments:

Review of staff and State Parks Archeologist indicates the that the site offers a unique opportunity for yielding information, since the sites were formerly covered by a reservoir and recently reexposed. Because of the scarcity of unaltered sites in the Los Angeles Basin area, these sites could provide valuable archeological information. Recommended for placement on the National Register at the local level.

19-175538

STATE OF CALIFORNIA—RESOURCES AGENCY

EDMUND G. BROWN JR., Governor

STATE HISTORICAL RESOURCES COMMISSION
DEPARTMENT OF PARKS AND RECREATION
POST OFFICE BOX 2390
SACRAMENTO, CALIFORNIA 95811
(916) 445-8006

January 8, 1976

Dr. Clement W. Meighan, Chairman
and Members
State Historical Resources Commission

Van Norman Reservoir
Archeological District

Dear Commissioners:

This application was previously approved by this Commission. At that time the area was one large contiguous district. The approval was granted with the stipulation that the sponsor and owner delineate boundaries which would be mutually acceptable. The revised boundaries will require formal approval by the Commission prior to submission to the Keeper of the National Register. While never officially moninated to the Register, the Secretary of the Interior (in accordance with Executive Order 11593) has determined the district is eligible for placement on the Register. A larger scale map showing the revised boundaries ~~will be presented at the meeting for your~~ is consideration.

included

Sincerely,

Knox Mellon

Dr. Knox Mellon
Executive Secretary

attach

19-175538

Form 10-300
(Rev. 6-72)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES INVENTORY – NOMINATION FORM

(Type all entries - complete applicable sections)

STATE: California
COUNTY: Los Angeles
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ENTRY DATE

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Van Norman (or Los Angeles)Reservoir Archaeological District

AND/OR HISTORIC:
Geronimo Lopez and C.R.Rinaldi Ranchos; San Fernando Reservoir #2

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CITY OR TOWN: Granada Hills
CONGRESSIONAL DISTRICT: 27th

STATE: California
CODE:
COUNTY: Los Angeles
CODE:

3. CLASSIFICATION

CATEGORY (Check One)	OWNERSHIP		STATUS	ACCESSIBLE TO THE PUBLIC
☒ District ☐ Building ☐ Site ☐ Structure ☐ Object	☒ Public ☐ Private ☐ Both	Public Acquisition: ☐ In Process ☐ Being Considered	☐ Occupied ☒ Unoccupied ☐ Preservation work in progress	Yes: ☒ Restricted ☐ Unrestricted ☐ No

PRESENT USE *(Check One or More as Appropriate)*

☐ Agricultural ☐ Government ☐ Park ☐ Transportation ☐ Comments
☐ Commercial ☐ Industrial ☐ Private Residence ☒ Other *(Specify)*
☐ Educational ☐ Military ☐ Religious
☐ Entertainment ☐ Museum ☐ Scientific

Reservoir (Drained)

4. OWNER OF PROPERTY

OWNER'S NAME:
Department of Water and Power, City of Los Angeles

STREET AND NUMBER:
111 North Hope Street

CITY OR TOWN: Los Angeles
STATE: California 90051
CODE:

5. LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC:
Los Angeles County Assessor

STREET AND NUMBER:
14550 Archwood

CITY OR TOWN: Van Nuys
STATE: California
CODE:

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TITLE OF SURVEY:
Cultural Resources of the Los Angeles Reservoir

DATE OF SURVEY: January 1974 ☐ Federal ☐ State ☐ County ☒ Local

DEPOSITORY FOR SURVEY RECORDS: Northridge Archaeological Research Center
Dept. of Anthropology, California State University, Northridge

STREET AND NUMBER:
18111 Nordhoff St.

CITY OR TOWN: Northridge
STATE: California 91324
CODE:

STATE
COUNTY:
ENTRY NUMBER
DATE
FOR NPS USE ONLY

7. DESCRIPTION

CONDITION	(Check One) ☐ Excellent ☐ Good ☐ Fair ☐ Deteriorated ☐ Ruins ☒ Unexposed	
	(Check One) ☒ Altered ☐ Unaltered	(Check One) ☐ Moved ☒ Original Site

DESCRIBE THE PRESENT AND ORIGINAL *(if known)* PHYSICAL APPEARANCE

Present Physical Appearance:

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1924 Daughters of the American Revolution.

8. SIGNIFICANCE

PERIOD *(Check One or More as Appropriate)*

- [X] Pre-Columbian
- [X] 15th Century
- [X] 16th Century
- [X] 17th Century
- [X] 18th Century
- [X] 19th Century
- [X] 20th Century

SPECIFIC DATE(S) *(If Applicable and Known)* Historic Period - 1830's to 1912 A.D.

AREAS OF SIGNIFICANCE *(Check One or More as Appropriate)*

- Aboriginal
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- [ ] Agriculture
- [X] Architecture
- [ ] Art
- [ ] Commerce
- [ ] Communications
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- [ ] Industry
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STATEMENT OF SIGNIFICANCE

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1934 History of San Fernando Valley

Robinson, W.W.
N.D. Fabulous San Fernando Valley, Western Federal Savings Pamphlet, Los Angeles

10. GEOGRAPHICAL DATA

LATITUDE AND LONGITUDE COORDINATES DEFINING A RECTANGLE LOCATING THE PROPERTY						OR	LATITUDE AND LONGITUDE COORDINATES DEFINING THE CENTER POINT OF A PROPERTY OF LESS THAN TEN ACRES					
CORNER	LATITUDE			LONGITUDE				LATITUDE			LONGITUDE	
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
NW	34 °	17 '	30 "	118 °	29 '	36 "		°	'	"	°	'	"
NE	34 °	18 '	12 "	118 °	28 '	40 "							
SE	34 °	17 '	20 "	118 °	27 '	56 "							
SW	34 °	16 '	42 "	118 °	28 '	48 "							

APPROXIMATE ACREAGE OF NOMINATED PROPERTY:

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE:	CODE	COUNTY	CODE
STATE:	CODE	COUNTY:	CODE
STATE:	CODE	COUNTY:	CODE
STATE:	CODE	COUNTY:	CODE

11. FORM PREPARED BY

NAME AND TITLE:
Gerald R. Gates, President and Dr. Antonio Gilman, Faculty Advisor

ORGANIZATION: Northridge Archaeological Research Center (Dept. of Anthro.)
DATE: Oct. 25, 1974

STREET AND NUMBER:
California State University, Northridge, 18111 Nordhoff Street.

CITY OR TOWN: Northridge
STATE: California 91324
CODE:

12. STATE LIAISON OFFICER CERTIFICATION

As the designated State Liaison Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service. The recommended level of significance of this nomination is:

National ☐ State ☐ Local ☐

Name _____

Title _____

Date _____

NATIONAL REGISTER VERIFICATION

I hereby certify that this property is included in the National Register.

_____
Director, Office of Archeology and Historic Preservation

Date _____

ATTEST:

_____
Keeper of The National Register

Date _____

SEE INSTRUCTIONS

RECEIVED
DEC 19 1975
OHP

December 12, 1975

NORTHRIDGE
ARCHAEOLOGICAL
RESEARCH CENTER

18111 Nordhoff Street
Northridge, Calif. 91324
(213) 885-3575 · 885-3331

To : To Whom It May Concern

From : Gerald R. Gates
Public Relations Officer
NARC

Subject : National Register Nomination of the Van Norman Reservoir Archaeological Complex

Some further information regarding the archaeological sites contained within the designated complex is offered as follows:

1) CA-LAn-475, also known as the Lopez Adobe site, was the scene of excavations by a field class from California State University, Northridge for five semesters from Spring 1972 to Spring 1974 under the direction of Dr. Charles Rozaire with the assisstance of Gerald R. Gates. Less than 1% of the site was sampled. The material recovered from these excavations are stored at the Northridge Archaeological Research Center of C. S. U., Northridge.

2) Salvage excavations at CA-LAn-493 and CA-LAn-645, under a DWP contract were conducted in Fall 1974 and January 1975. These sites within the complex were not (except for the extreme eastern portion of LAn-493) placed on the nomination forms due to their planned destruction by reservoir construction. The materials recovered from these excavations are also stored at NARC. A copy of the report is included with this letter.

3) The total acreage involved in the areas nominated (CA-LAn-475, 490,491, 492, 493, 643, and 646) is approximately 100 to 150 acres. The revised boundries were submitted earlier in this year. Included with this letter is a smaller copy of that map with the present corrected site boundries.

4) A compilation of all work done in the Van Norman Complex and a search of historic records will be undertaken as a thesis project for work towards a M.A. degree in Anthropology by Gerald R. Gates of C. S. U., Northridge.

Respectfully,

Gerald R. Gates

Gerald R. Gates

Enclosures (2)

United States Department of the Interior

NATIONAL PARK SERVICE
WASHINGTON, D.C. 20240

IN REPLY REFER TO:

MAY 19 1975

H34-PR

Mr. Robert C. Stevens
Department of Housing and Urban Development
Federal Disaster Assistance Administration
120 Montgomery Street
San Francisco, California 94104

Dear Mr. Stevens:

Thank you for your request for a determination of eligibility for inclusion in the National Register on the Van Norman (or Los Angeles) Reservoir Archeological District involved in your proposed Los Angeles Dam and Reservoir Project pursuant to Executive Order 11593 as implemented by the procedures of the Advisory Council on Historic Preservation (36 CFR 800).

After review of the documentation on the district including the revised boundary maps, drawings, and legal descriptions, and in consultation with the office of the California State Historic Preservation Officer, we have determined that four separate areas, Site CA-LAN 643, Site CA-LAN 646, Site CA-LAN 490, and a cluster made up of Sites CA-LAN 475, 491, 492, and 493, are eligible for inclusion in the National Register under (D) of the Criteria for Evaluation. The determination with the revised boundaries is based on our understanding that the areas separating these sites have already been excavated or destroyed so that no archeological values remain.

As you understand, a request for our professional judgment pursuant to the Advisory Council's procedures in this regard, developed in consultation, inter alia, with the Department of Housing and Urban Development, constitutes a part of the Federal planning process. We urge that this information be integrated into the National Environmental Policy Act analysis to permit HUD to reach the most effective program decisions. This determination of eligibility for inclusion in the National Register does not serve in any manner as a veto to uses of such property, with or without Federal participation or assistance.

Any decision on the property in question and the responsibility for program planning concerning such properties lies with HUD after the Advisory Council on Historic Preservation has had an opportunity to comment.

We appreciate your cooperation on behalf of historic preservation.

Sincerely yours,

/S/ Ernest Allen Connally

Ernest Allen Connally
Associate Director,
Professional Services

cc: Mr. William Penn Mott, Jr.
Director, Department of Parks
and Recreation
State Resources Agency
Post Offic e Box 2390
Sacramento, California 95811 w/c inc.)

PR

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
FEDERAL DISASTER ASSISTANCE ADMINISTRATION
SAN FRANCISCO, CALIFORNIA 94104
120 Montgomery Street

REGION IX

IN REPLY REFER TO:

APR 08 1975

Dr. A. R. Mortensen APR 9 REC'D
Director, Office of Archaeological
and Historic Preservation
Attention: Ms Carol Shull
National Park Service
Department of Interior
Room 3113, "L" Street
Washington, D.C. 20240

RECEIVED
APR 15 1975
NATIONAL REGISTER

Gentlemen:

Reference is made to my letter of December 31, 1974, relative to the proposed Van Norman (or Los Angeles) Reservoir Archaeological District.

Pursuant to the preparation of a Federal environmental impact statement (EIS) on the proposed Los Angeles Dam and Reservoir project, this office has maintained contact with the California State Historic Preservation Officer and has monitored the on-going actions relative to the nomination of the above mentioned District to the National Register of Historic Places. To date, no decision on the proposed District has been received from the State Historic Preservation Officer. Attached as enclosure (1) is a draft copy of the presentation of facts pertaining to historic and archaeological sites to be included in the EIS. These facts present, in chronological order, the events which have occurred over the past year relative to this matter. The enclosure indicates that the State Historic Resources Commission met on January 9, 1975, to discuss the proposed District and, that as a result of that meeting, determined the need for a re-examination of the boundaries of that District and of the sites included in it.

Enclosure (2) includes data forwarded by the Los Angeles Department of Water and Power (LADWP) to the State Historic Preservation Officer on February 18, 1975. These data include revised drawings and legal descriptions of the proposed District to include the definition of four specific archaeological sites within the District. The revised boundaries and the definition of the sites within the District reflected in these data have been mutually agreed upon by the LADWP and Northridge University.

It is requested that enclosure (1) be reviewed by your office for adequacy. Comments on enclosure (1) should be provided to the EIS

Project Officer, Mr. J. G. Del Monte by telephone (415-556-8794) as soon as possible. It is also requested that this office be advised on any determination of eligibility on the proposed District by the Secretary of Interior.

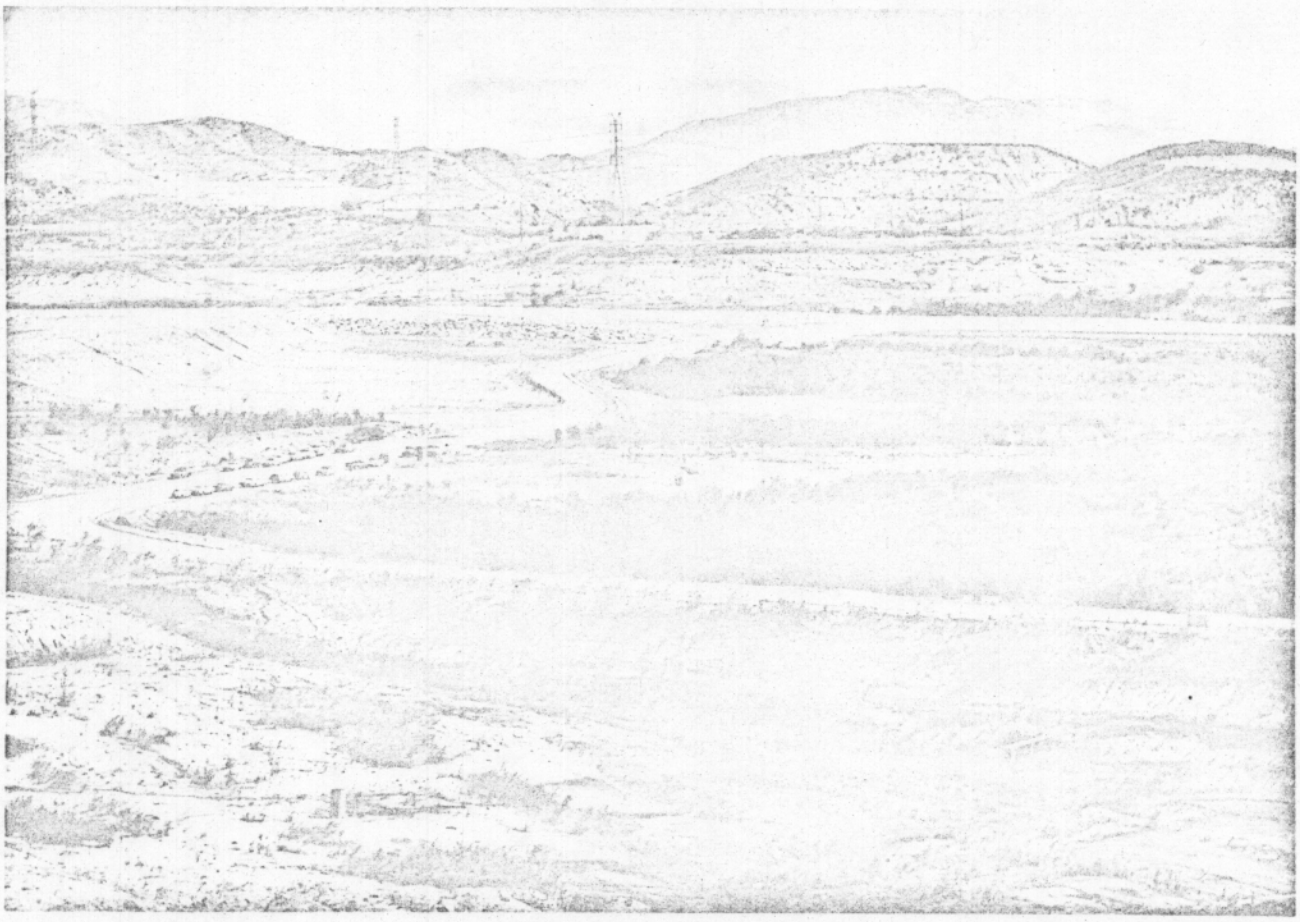
Sincerely,

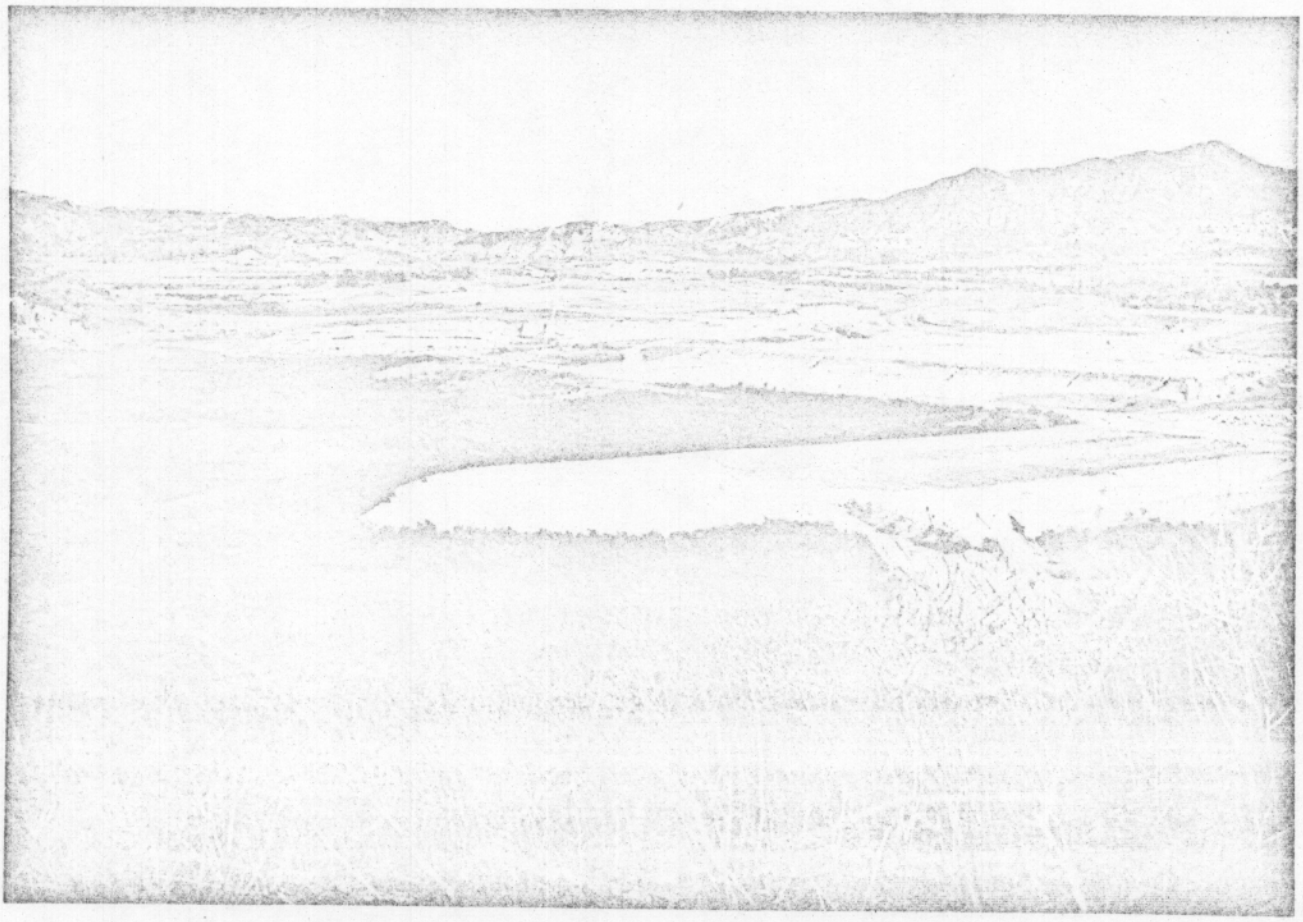
ROBERT C. STEVENS
Regional Director

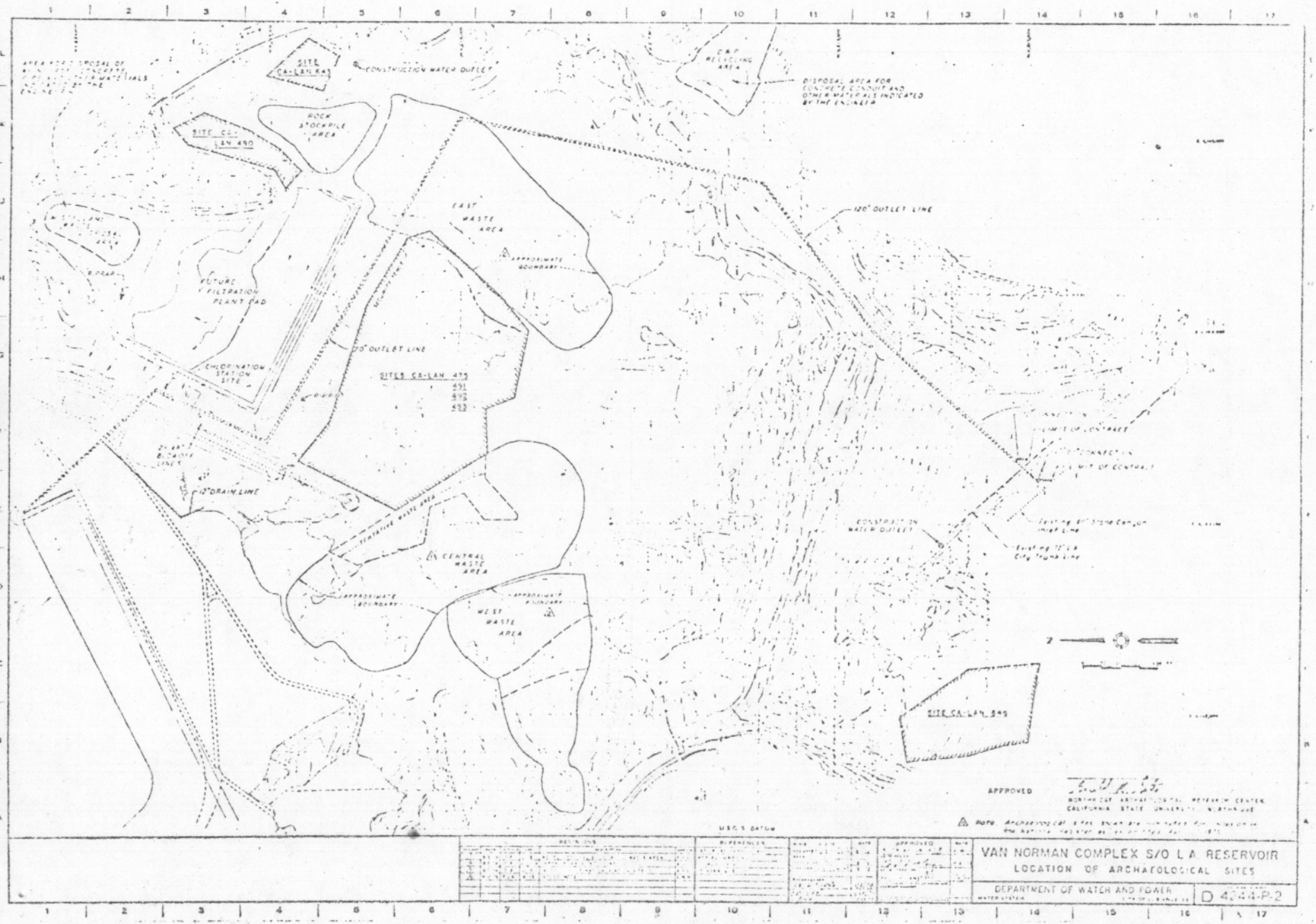
2 Enclosures

cc:
Advisory Council on Historic Preservation
Post Office Box 25085
Denver, Colorado 80225

Department of Housing and Urban Development
Room 7264
451 - 7th Street, S.W.
Washington, D.C. 20410
Attention: Historic Preservation Officer







SITE CA-LAN 643
CONSTRUCTION WATER OUTLET
ROCK STOCKPILE AREA
SITE CA-LAN 490
EAST WASTE AREA
APPROXIMATE BOUNDARY
120" OUTLET LINE
FUTURE FILTRATION PLANT PAD
CHLORINATION STATION SITE
70" OUTLET LINE
SITES CA-LAN 475
491
492
493
12" DRAIN LINE
TENTATIVE WASTE AREA
CENTRAL WASTE AREA
WEST WASTE AREA
CONSTRUCTION WATER OUTLET
SITE CA-LAN 545
DISPOSAL AREA FOR CONCRETE CONDUIT AND OTHER MATERIALS INDICATED BY THE ENGINEER
APPROVED
NORTHWEST ARCHAEOLOGICAL RESEARCH CENTER
CALIFORNIA STATE UNIVERSITY, NORTHRIDGE
U.S.G.S. DATUM
VAN NORMAN COMPLEX S/O L.A. RESERVOIR
LOCATION OF ARCHAEOLOGICAL SITES
DEPARTMENT OF WATER AND POWER
D 4244-P-2

Appendix E
Geotechnical Report

Appendix

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PRELIMINARY GEOTECHNICAL EVALUATION
COMPREHENSIVE MODERNIZATION
AT KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
GRANADA HILLS, CALIFORNIA

Prepared for:

Los Angeles Unified School District
333 S Beaudry Avenue, 22nd Floor
Los Angeles, California 90017

Work Order: 2880-63-0-100
June 8, 2017

GORIAN & ASSOCIATES, INC.

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Attachments: Appendix A: Logs of Subsurface Data
Appendix B: Laboratory Test Results
Appendix C: Seismically Induced Settlement Analyses
Plate 1: Geotechnical Exploration Map
Plate 2: Geotechnical Cross Sections

Applied Earth Sciences
Geotechnical Engineers
Engineering Geologists
DSA Accepted Testing Laboratory
Special Inspection and Materials Testing

3595 Old Conejo Road
Thousand Oaks
California 91320-2122
805 375-9262
805 375-9263 fax

June 8, 2017

Los Angeles Unified School District
333 S. Beaudry Avenue, 22nd Floor
Los Angeles, California 90017

Work Order: 2880-63-0-100

Attention: Peyman Soroosh Moghadam

Subject: **Preliminary Geotechnical Evaluation, Comprehensive Modernization at Kennedy High School, 11254 Gothic Avenue, Granada Hills, California**

1.0 INTRODUCTION

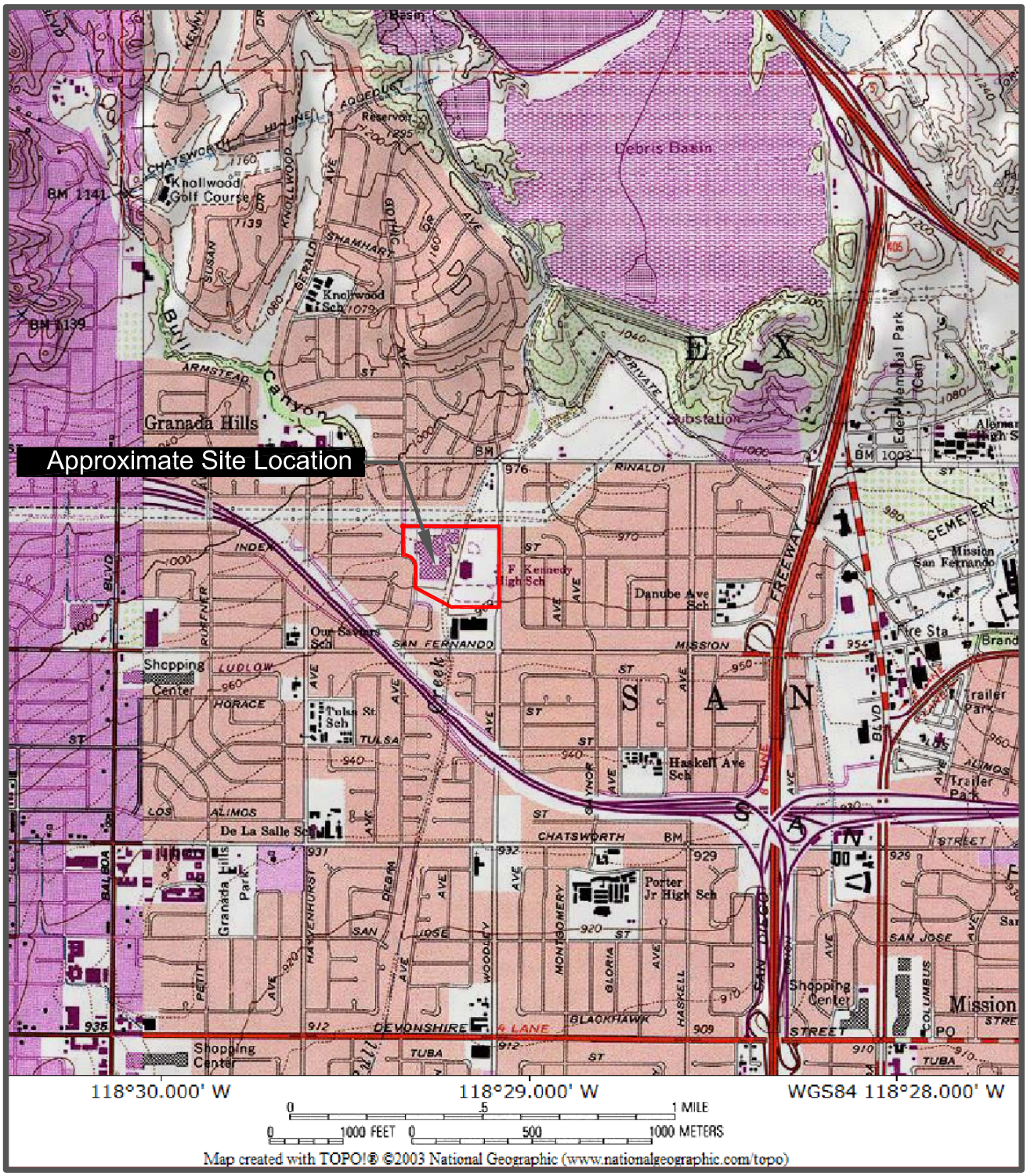
Presented herein are the results of our preliminary geotechnical site evaluation for the comprehensive modernization project at Kennedy High School (Site) at 11254 Gothic Avenue, in the Granada Hills area of Los Angeles, California as shown on Figure 1. Detailed plans of the modernization are not available at this time; however, the project may include seismic retrofit and/or replacement of existing buildings.

Los Angeles Unified School District (LAUSD) launch team personnel identified eleven subsurface exploration locations for geotechnical evaluation. Seven of the exploration locations were relocated due to site conditions and accessibility constraints. The approximate locations of our exploratory points are shown on the attached Geotechnical Exploration Map, Plate 1. The school is directly adjacent the boundary of a State of California designated Liquefaction Seismic Hazard Zone. Therefore, to evaluate the potential for seismically induced settlement, five borings were extended to a depth of 50 feet as required in California Geological Survey (CGS) Special Publication 117A for the evaluation of seismic induced ground settlement.

The subsurface exploration found the area of the school evaluated for this report to be underlay by native soils referred to as alluvial fan deposits (Holocene) locally mantled with artificial fill, grass, and pavement. General descriptions of the materials encountered in the subsurface exploration are presented in the text of this report with boring specific detail presented on the attached Logs of Subsurface Data (Appendix A).

The Site was found to not have a potential for liquefaction as addressed later herein. However, there is a minor potential for seismic induced dry sand settlement (dynamic compaction) during a design level (2,475-year return period) earthquake on the order of ½ to 1¾ inches with a potential for differential settlement of ½ to 1 inches. Based on the CGS Special Publication 117A, structural mitigation may be used within this range of seismic induced settlement.

The area of Kennedy High School evaluated for this report was found to be suitable for the seismic retrofit and/or replacement of existing buildings from a geotechnical standpoint. This is provided recommendations presented herein are implemented in the project design and construction.



Source
United States Geological Survey, *San Fernando Quadrangle, California-Los Angeles County*, 7.5 Minute Series (Topographic) and *Oat Mountain Quadrangle, California-Los Angeles County,* 7.5 Minute Series (Topographic)

SITE LOCATION MAP

Kennedy High School
11254 Gothic Ave
Granada Hills, California

Gorian & Associates, Inc. *Applied Earth Sciences*		
Job No: 2880-63-0-100		Date: June 2017
Scale:1" = 2000'	Drawn by: Approved by:	Figure 1

2.0 PROPOSED CONSTRUCTION

Subsurface conditions at the site were evaluated in anticipation of seismic retrofit and/or replacement of existing buildings at the school site. The focus of the evaluation was in the western portion of the Site, where most of the existing buildings are present.

3.0 SCOPE OF SERVICES

Gorian and Associates, Inc. conducted this geotechnical evaluation for the proposed modernization project at Kennedy High School under the supervision of a State registered geotechnical engineer and certified engineering geologist. Our evaluation of the Site included:

3.1 ARCHIVAL REVIEW

Pertinent geotechnical data available in our office was reviewed for this report.

3.2 SUBSURFACE EXPLORATION

Eleven geotechnical borings were drilled to depths of approximately 31 to 51½ feet below the existing ground surface (bgs) to evaluate the underlying soil conditions within the western portion of the school site as shown on Plate 1. A subcontractor supplied and operated truck-mounted hollow-stem auger drill rig was used to advance the borings to the indicated depth. Field exploration activities described above were observed by an engineer or a geologist from this office, who logged the underlying materials and obtain bulk and relatively undisturbed drive soil samples for laboratory analyses. In addition, Standard Penetration Testing (SPT) was performed at various depths within the deeper exploratory borings.

The points of exploration were marked in the field and a utility locator subcontractor was contacted to identify the surface trace of detectable underground utilities and abandoned piping in an effort to explore away from subsurface utilities. Additionally, Underground Service Alert (USA) was contacted per State mandated protocol prior to excavation on the site.

At the end of drilling, the borings were backfilled with the excavated material and patched with asphalt cold patch in drive areas within existing asphalt, and concrete in areas of concrete paving. Boring backfills may settle with time and a LAUSD representative should fill any depression that may occur, as necessary.

3.3 LABORATORY TESTING

A program of geotechnical laboratory testing was performed to evaluate properties of selected soil samples obtained during the subsurface exploration. The following tests were conducted for this preliminary site evaluation:

- In-situ moisture content and dry density
- Maximum density and optimum moisture content relationships
- Direct Shear Testing
- Consolidation Testing
- Expansion Index Testing
- Hydrometer Analyses
- Corrosion Testing
- R-Value Testing

3.4 GEOTECHNICAL ENGINEERING ANALYSIS AND REPORT PREPARATION

This report was prepared to present the results of our archival research, field subsurface exploration and laboratory testing programs, and engineering analyses including the findings and conclusions of our preliminary geotechnical site evaluation. The report includes:

a) A description of subsurface conditions as encountered in the exploratory excavations, including Logs of Subsurface Data (Appendix A) and a Geotechnical Exploration Map (Plate 1).

b) A description of the laboratory testing program, including tests results (Appendix B).

c) Discussion and recommendations regarding:

   i) Geologic hazards including seismic setting of the site and faulting;

   ii) Seismic design criteria for new and retrofit/modernization buildings;

   iii) Seismically induced settlement;

   iv) Site preparation and remedial grading;

   v) Foundation design recommendations including shallow, mat and deep foundations including estimated settlements;

   vi) Retaining wall design parameters, including earthquake loading;

   vii) Pavement design recommendations; and

   viii) Soil chemistry analysis, by subcontract.

4.0 SITE DESCRIPTION

Kennedy High School is on a relatively flat, roughly rectangular parcel bounded on the north by Simonds Street, on the east by Woodley Avenue, on the south by Donmetz Street and existing residential and commercial development, and on the west by Gothic Avenue. The main parking lot is in the northwest corner of the site and the buildings are primarily on the west side of the campus. The eastern portion contains the gymnasium, basketball courts and grass athletic fields. Grass and landscaping are present in the front of the school along Gothic Avenue and scattered between the buildings both directly adjacent to some buildings as well as in separated planters. The topography slopes gently to the south.

5.0 REGIONAL GEOLOGIC SETTING

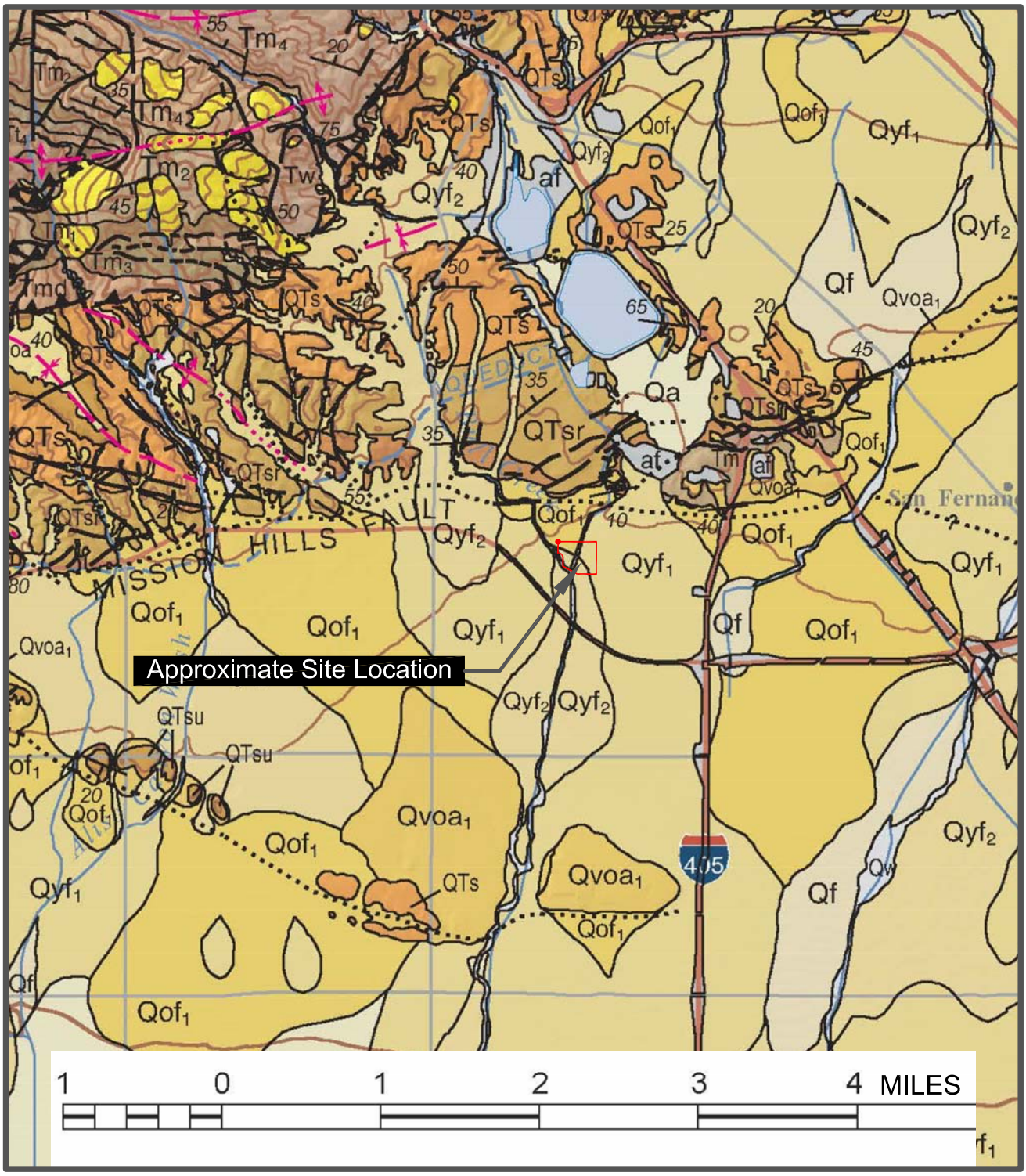
The Site is in the north central portion of the San Fernando Valley, an east trending structural trough within the Transverse Ranges geomorphic province of Southern California. This geomorphic province is dominated by active compressional tectonics (crustal shortening) and is characterized by east west tending ranges and ridges with intervening canyons and valleys. The San Fernando Valley has been filled from the sides with sediments from drainages of the San Gabriel Mountains (mainly) and Santa Susana Mountains to the north, the Santa Monica Mountains to the south, and the Simi Hills and Verdugo Mountains to the west and east, respectively. Being on the north central portion of the Valley, the Site is on a broad apron of alluvial fans deposited at the mouths of drainages of the Santa Susana and San Gabriel Mountains north of the site (see Figure 2).

6.0 SITE GEOLOGIC UNITS

The Site is underlain by native soils referred to as alluvial fan deposits (Holocene) locally mantled with artificial fill, grass, and pavement. General descriptions of the pavement, artificial fill, and alluvial fan (alluvium on boring logs) as encountered in our exploratory borings are presented below with boring specific detail presented on the attached Logs of Subsurface Data (Appendix A).

6.1 PAVEMENTS

Concrete pavement was encountered in borings B-1 and B-9 at 4 inches and 7 inches thick, respectively. The concrete pavement was placed on native soils. Asphaltic concrete pavement varied from 3 to 4 inches thick and was underlain by fill or native soils. In boring B-3 three inches of aggregate base was encountered.



Source: Campbell, R.H., Wills, C.J., Irvine, P.J., and Swanson, B.J., Compilers with Digital preparation by Gutierrez, C.I., and Neal, M.D., 2014, *PRELIMINARY GEOLOGIC MAP OF THE LOS ANGELES 30'X60' QUADRANGLE, CALIFORNIA. VERSION 2.1.*

Explanation

$Qyf_{1,2}$ - Young Alluvial Fan (Units 1-2)
Qof_1 - Old Alluvial Fan Deposits
QTsr - Saugus Formation Sunshine Ranch Member
QTp - Pico Formation, Undivided
Tm - Modelo Formation

REGIONAL GEOLOGIC MAP

Kennedy High School
11254 Gothic Ave
Granada Hills, California

Gorian & Associates, Inc. *Applied Earth Sciences*		
Job No: 2880-63-0-100		Date: June 2017
Scale:1" = 5000'	Drawn by: Approved by:	Figure 2

6.2 ARTIFICIAL FILL
Artificial fill was encountered in six borings, B-2 through B-7, to depths of 1½ to 5½ feet bgs. The fill generally consisted of clayey or silty sand in a damp to moist and loose to medium dense condition. Given the developed nature of the Site other areas of fill are likely to exist.

6.3 ALLUVIAL FAN DEPOSITS
Beneath the pavement, fill, or grass, alluvial fan deposits were encountered to the maximum depth explored of 51½ feet bgs. The eastern portion of the evaluated locations tended to consist of clean and silty sands, with occasional thin clay and clayey sand units. The western portion of the site tends to consist of more clayey sands and silty clays.

The alluvial soils were damp to moist and varied in consistency from medium dense to very dense for the sands with the cohesive, clayey alluvial soils being medium stiff to hard. Geotechnical Cross Sections A-A', B-B', and C-C' present the interpreted stratigraphic distribution of the various alluvial fan soil units.

6.4 GROUNDWATER
Groundwater was not encountered in any of the geotechnical borings, which extended to a maximum depth of 51½ feet bgs. Historic high groundwater for this location has been noted to be at depths of around 170 to 200 feet bgs (CGS, 1998 rev. 2006).

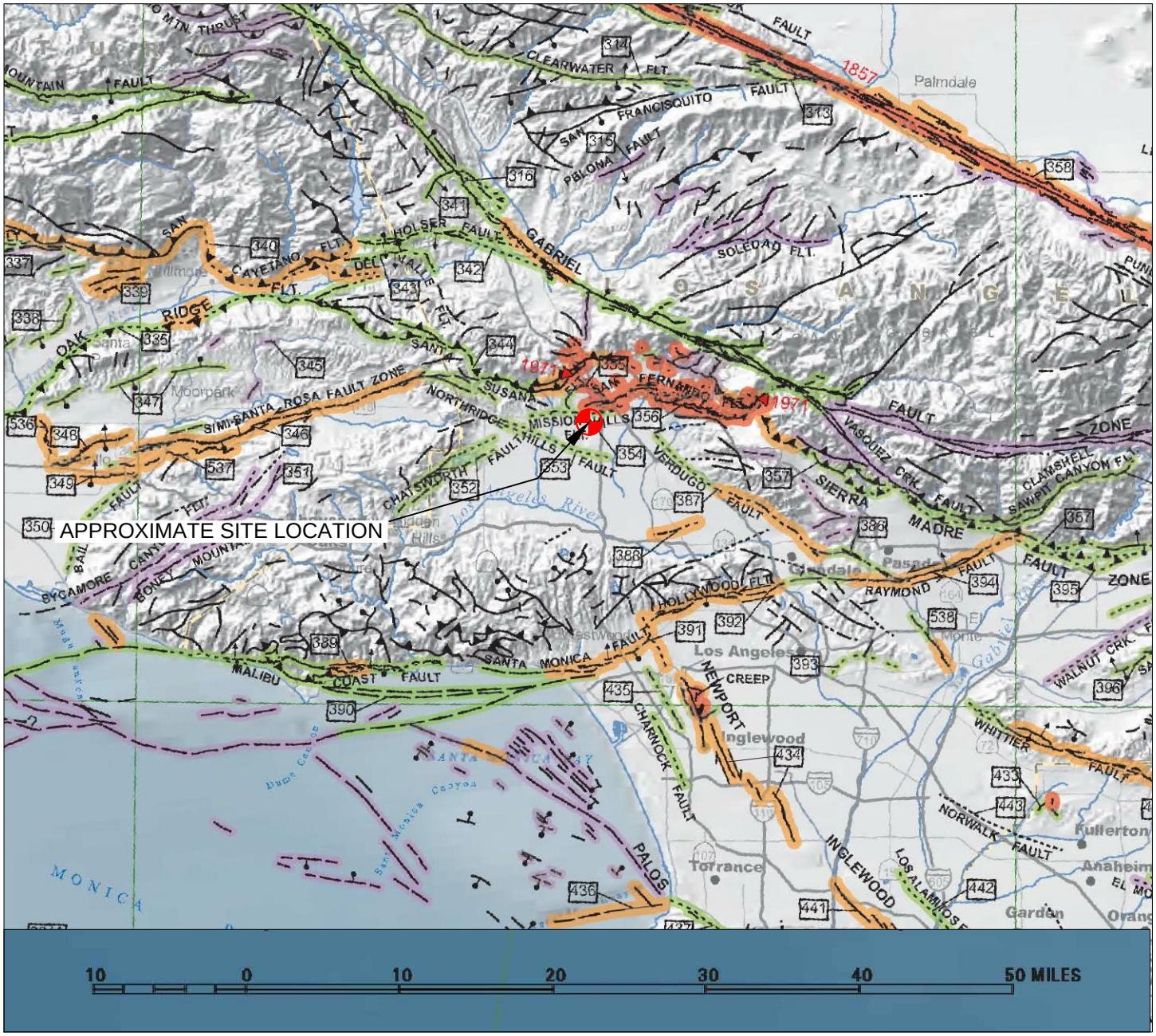
6.5 LANDSLIDES
No landslides are present within or near the site nor are any shown on regional geologic maps.

6.6 FLOOD HAZARD ZONE
The Site is not in a Federal Emergency Management Agency (FEMA) mapped flood hazard zone (FEMA FIRM Map, 2008). In addition, it is not in a dam or tsunami inundation zone (City of Los Angeles Department of City Planning, 1996).

6.7 FAULTING AND SEISMICITY
Kennedy High School, like other sites in the San Fernando Valley, is in a seismically active region prone to occasional damaging earthquakes. The destructive power of earthquakes can be grouped into fault-rupture, ground shaking (strong motion), and secondary effects of ground shaking (such as tsunami, liquefaction, settlement, landslides). The hazard of fault-rupture is generally thought to be associated with a relatively narrow zone along well-defined pre-existing active or potentially active faults. No doubt there is and will be exceptions to this, because it is not possible to predict the precise location of a new fault where none existed before (CDMG, 1975).

No active faults are known to cross the Site and the Site is not currently within an Alquist-Priolo (A-P) Earthquake Fault Zone as defined by the State Geologist (Bryant and Hart, 2007). The inferred/concealed surficial trace of the late Pleistocene to possibly Holocene Mission Hills fault is shown to be to be approximately 0.2 mile north of the northern Site boundary, refer to Figures 2 and 3. At present an A-P Earthquake Fault Zone has not been established by the State for the Mission Hills fault.

The closest historically active fault is the San Fernando fault which ruptured February 9, 1971. The closest mapped surficial trace of the A-P Zoned San Fernando fault lies approximately 0.3 mile to the north of the Site. The active Verdugo fault is approximately 12 miles southeast of the Site and the active Simi-Santa Rosa Fault Zone lies approximately 14 miles west of the Site (see Figure 3). The potential for ground rupture on site due to faulting during the life expectancy of the project is considered remote.



Source: Jennings, Charles W. and Bryant, William A. with Assistance from Saucedo, George J., 2010, *FAULT ACTIVITY MAP OF CALIFORNIA*. California Geological Survey Geologic Data Map Series -- Map No. 6.

Geologic Time Scale			Years Before Present (Approx.)	Fault Symbol	Recency of Movement	DESCRIPTION: ON LAND	DESCRIPTION: OFFSHORE
Quaternary	Late Quaternary	Historic				Displacement during historic time (e.g. San Andreas fault 1906). Includes areas of known fault creep.	
			200				
		Holocene			? ? ?	Displacement during Holocene time.	Fault offsets seafloor sediments or strata of Holocene age.
			11,700				
		Pleistocene			? ?	Faults showing evidence of displacement during late Quaternary time.	Fault cuts strata of Late Pleistocene age.
			700,000				
	Early Quaternary	Pleistocene			?	Undivided Quaternary faults - most faults in this category show evidence of displacement during the last 1,600,000 years; possible exceptions are faults which displace rocks of undifferentiated Plio-Pleistocene age.	Fault cuts strata of Quaternary age.
			1,600,000*				
Pre-Quaternary			4.5 billion			Faults without recognized Quaternary displacement or showing evidence of no displacement during Quaternary time. Not necessarily inactive.	Fault cuts strata of Pliocene or older age.

REGIONAL FAULT MAP

Kennedy High School
11254 Gothic Ave
Granada Hills, California

GORIAN & ASSOCIATES, INC.
APPLIED EARTH SCIENCES

Work Order: 2880-63-0-100		Date: June 2017
Scale:1"= 10 Miles	Drawn by:	Figure 3
	Approved by:	

Although no active faults are known to exist within the site, the area will be subject to strong ground motion from occasional earthquakes in the region. Four significant earthquakes have occurred centered within 40 miles of the site within the last eight decades; the March 11, 1933 Long Beach earthquake (6.4 magnitude), the February 9, 1971 San Fernando earthquake (6.6 magnitude) with its epicenter about 10 miles northeast of the Site, the October 1, 1987 Whittier Narrows earthquake (6.0 magnitude), and the January 17, 1994 Northridge earthquake (6.7 magnitude) with its epicenter 5 miles southwest of the site.

It is estimated during the Northridge event the general area of the school experienced maximum horizontal accelerations on the order of 0.9g based on an alluvial soil site condition. This is based upon ground motion data obtained from ground motion contours presented in Chapter 3 of the *Preliminary Report on the Principal Geotechnical Aspects of the January 17, 1994 Northridge Earthquake* (Chang et al., 1994). Significant earthquakes will likely occur in this area within the life expectancy of the project and the site will experience strong ground shaking from these events.

Based on the latest U.S. Geological Survey (USGS) interactive web application, *Unified Hazard Tool* <https://earthquake.usgs.gov/hazards/interactive/> probabilistic seismic hazard analyses (PSHA) predict the Design Basis Earthquake (475-year return period) peak horizontal ground acceleration will be on the order of 0.76g for the alluvial soil conditions of the Site D (assumed V_S=259 m/sec). The mean magnitude from this PSHA is 6.49(Mw) with a mean distance of 8.98 km from the property. Utilizing a 2% probability of exceedance in 50 years (2,475-year return period) the peak ground acceleration is estimated to be 1.44g based on a seismic event with a mean magnitude of 6.69(Mw) at a mean distance of 6.46 km.

Additional seismic data is presented in later sections and in Appendix C. Secondary effects of strong ground motion include Tsunami, seiche, liquefaction, settlement, landslides, etc. Tsunami (seismic sea wave and seiche (standing wave) are not hazards inherent to the site due to its distant proximity to the ocean and large bodies of water. Likewise, seismically induced landsliding is not a hazard inherent to the relatively flat Site. Earthquake induced liquefaction and seismic settlement affecting the proposed site development are discussed below.

6.8 LIQUEFACTION/DRY SAND SETTLEMENT POTENTIAL

Liquefaction is a seismic phenomenon in which saturated cohesionless soils (sands) lose strength when severely shaken during an earthquake and develop excess water pore pressures. As stated in the CDMG (1997) report, “In order to be susceptible to liquefaction, potentially liquefiable soils should be saturated or nearly saturated. In general, liquefaction hazards are most severe in the upper 50 feet of the surface…”. Dry sand settlement or seismic settlement is the dynamic compaction due to seismic shaking of dry, loose, sandy soils with little to no cohesion.

The site is not within an area zoned by the State as being susceptible to liquefaction (CGS, 1998); further, historic high groundwater is deeper than 50 feet. The potential for liquefaction is therefore not considered an issue in the development of this site. However, seismically induced settlement potential, in the form of dry sand settlement, was evaluated for the site. Seismic settlement analyses were performed using the computer program GeoSuite by GeoAdvanced™. For seismic settlement evaluations, the 2013 CBC / ASCE 7-10 designates a ground motion with a 2% chance of being exceeded in 50 years (2475 return period) be utilized. The peak ground acceleration in accordance with Section 11.8.3 of ASCE 7 is 0.88g. These parameters were utilized in our seismically induced settlement analyses and yielded seismically induced settlement of on the order of ½ to 1¾ inches, see Appendix C. Lower seismically induced settlement was obtained from the western most exploration points where the silty clay soils were encountered. Differential seismic settlement is typically anticipated to be one-half to two-thirds of the total seismic settlement. Based on the estimated seismic settlement, the estimated differential seismic settlement will be on the order of ½ to 1 inches.

Due to the flat nature of the Site and vicinity, and without adjacent sloping free faces, the potential for lateral spreading is negligible.

6.9 HYDRO-COLLAPSE

Based on consolidation testing of the underlying soils, the potential for hydro-collapse of the underlying soils to a depth of 50 feet below the existing ground surface is low.

7.0 GEOTECHNICAL CONCLUSIONS AND RECOMMENDATIONS

Our preliminary geotechnical recommendations for the project design and construction are based on our scope of services performed for this site evaluation that included archival research, field exploration, and laboratory testing, as well as geotechnical analyses as discussed herein. Providing recommendations presented herein are followed during design and construction, the site is considered to be suitable from a geotechnical engineering standpoint for the proposed school modernization project. Recommendations concerning site preparation, grading and foundations are provided in the following sections. The presence of existing improvements adjacent the construction areas should be considered during all design and construction activities.

Additional geotechnical site evaluation may be necessary when plans are available for the modernization project. The scope of services for this report did not include a geotechnical evaluation of the existing structures.

7.1 SOIL EXPANSIVENESS

Soil expansion tests were performed on representative soil samples obtained from the site. Test results indicate the underlying materials have a low to medium expansion potential, in the 21-90 expansion index range.

7.2 SOIL CORROSIVITY

Two samples of on-site soils were obtained and sent to Atlantic Consultants for soil chemistry analyses. The results, attached in Appendix B, indicate concrete in contact with the onsite soils is negligible for sulfate and chloride exposure. Further, the onsite soils are moderately corrosive to ferrous metals and corrosive to copper piping.

7.3 GEOTECHNICAL SEISMIC DESIGN

The Site may experience strong ground shaking from seismic events generated on regionally active faults. Seismic ground motion parameters were evaluated using a simplified code based approach and ground motion procedures for seismic design. The simplified code based approach follows the procedures in the 2016 California Building Code (CBC) based on ASCE/SEI 7-10 Section 11.4. Retrofit values were obtained from ASCE 41-13 using the standard of BSE-1E.

Seismic ground motion values are initially determined based on site class B (rock) conditions. The values are adjusted to obtain the maximum considered earthquake (MCE) spectral acceleration values for the site based on its site class of D. The seismic design parameters for the Site's coordinates (latitude 34.27584° North and longitude 118.48762° West) were obtained from the USGS web based spectral acceleration response maps and calculator:
<http://earthquake.usgs.gov/designmaps/us/application.php>

The purpose of the building code earthquake provisions is primarily to safeguard against major structural failures and loss of life, not to limit damage nor maintain function. Therefore, values provided in the building code should be considered minimum design values and should be used with the understanding site acceleration could be higher than addressed by code based parameters. Cracking of walls and possible structural damage should be anticipated in a significant seismic event.

Seismic Parameters based on ASCE/SEI 7-10

CHAPTER 16 TABLE/FIGURE NO.	SEISMIC PARAMETER	VALUE PER CA BUILDING CODE
Figure 1613.5 (3)	Short Period Mapped Acceleration (S_s)	2.35g
Figure 1613.5 (4)	Long Period Mapped Acceleration (S_1)	0.89g
Table 1613.5.2	Site Class Definition	D
Table 1613.5.3 (1)	Site Coefficient (F_a)	1.0
Table 1613.5.3 (2)	Site Coefficient (F_v)	1.5
Equation 16-37	$S_{MS} = F_aS_s$	2.35g
Equation 16-38	$S_{M1} = F_vS_1$	1.34g
Equation 16-39	$S_{DS} = 2/3S_{MS}$	1.56g
Equation 16-40	$S_{D1} = 2/3S_{M1}$	0.89g

Seismic Parameters based on ASCE 41-13 Retrofit Standard, BSE-1E

Section	SEISMIC PARAMETER	VALUE
2.4.1.4	$S_{S,20/50}$	0.989g
2.4.1.4	$S_{1,20/50}$	0.354g
2.4.1.6.1	Site Class Definition	D
Table 2-3	F_a	1.104
Table 2-4	F_v	1.691
Equation 2-4	$S_{XS,BSE-1E}$	1.092g
Equation 2-5	$S_{X1,BSE-1E}$	0.599g

7.4 SITE PREPARATION

Areas of new construction will require site preparation and/or remedial grading prior to foundation excavation or slab subgrade preparation. The following preliminary site preparation and grading recommendations are for the preparation of areas for construction of new buildings and other exterior site improvements. These recommendations should be reviewed when plans are available.

For the modernization of the school, footing locations and dimensions of the existing structures are unknown; therefore, care should be taken to protect the foundations and their supporting soils at all times. The presence of the existing buildings should be considered during all design and construction activities. All aspects of grading including site preparation, grading, and fill placement should be per the applicable Building Code.

7.4.1 Site Cleanup

Existing paving, debris, structures, etc. that are not a part of the final product should be removed from the areas of construction. Debris generated from the demolition should be hauled away. The exposed ground surface should be observed and tested by a field representative of this office to evaluate the consistency and similarity of the soils which will provide support to the proposed construction.

7.4.2 Soil Removals

Below new buildings and 5 horizontal feet beyond, non-engineered fill soils where encountered should be removed to firm in-place native soils. In addition, within the footprint of the structures and to a minimum distance of five feet beyond, at least three feet of newly compacted soils should be provided below shallow foundations. Where deep foundations (piles) are proposed, existing fill should be removed where encountered and a minimum of two feet of newly compacted fill soils should be provided for slab support.

In areas of paving, a minimum of two feet of newly compacted fill should be provided. Existing fill soils, where encountered, should be evaluated prior to placing new fill soils.

Due to possible variations in the subsurface materials, local areas of deeper removals may be necessary. After these removals are completed as addressed above, the exposed ground surface should be observed by a field representative of this office to evaluate if it is suitable for placement of certified fill. No fill soils may be placed until completion of the geotechnical observation.

Removals adjacent existing structure footings should not extend below a 2(horizontal):1(vertical) line extending down from the top of the footing or may need to be performed in slots to protect the existing foundations. Removal bottoms should be observed by a representative of this office. In addition, removals adjacent existing footings should be observed by a representative of this office as the removals are made.

Soil removal within existing buildings to be improved should be based on observations by a representative of this office of the existing soil conditions after being exposed by the general contractor. At this time, no significant soil removals are anticipated within existing buildings to be improved.

If soil removals are necessary within an existing building, removals within areas to receive fill or to provide support for the structure should expose competent materials. Removals adjacent existing structure footings should not extend below a 2(horizontal):1(vertical) line extending down from the top of the footing or may need to be performed in slots to protect the existing foundations. Removal bottoms should be observed by a representative of this office. In addition, removals adjacent footings should be observed by a representative of this office as the removals are made.

7.4.3 In-Place Soil Processing

Following removals, the underlying 8 to 12 inches should be scarified, moisture conditioned to above the optimum moisture content, and recompacted to at least 90% relative compaction.

7.4.4 Fill Placement

On-site soils may be reused as fill soils providing the soils are free of major vegetation, trash and debris. Per the applicable building code, rocks greater than 6 inches in diameter (or smallest dimension) should be excluded from all fills placed. Suitable fill soils should be placed in thin (6 to 8 inch maximum) lifts, brought to above optimum moisture content, and compacted to at least 90% relative compaction.

7.4.5 Relative Compaction

Relative compaction is the ratio of in-place dry soil density to the maximum dry soil density determined in general conformance with ASTM test method D 1557.

7.4.6 Temporary Excavations

During construction, the contractor is responsible for the excavation and maintenance of safe and stable slope angles considering the subsurface conditions and the methods of operations. Temporary excavations should be made per the applicable requirements of the current Cal/OSHA excavation regulations. Geotechnical evaluation of temporary excavations can be provided when the excavation location, extent, and depth are known.

7.5 SHALLOW FOUNDATION DESIGN

Geotechnical recommendations for conventional foundation systems are presented below based on soils with a medium expansion potential (51-90 expansion index range).

7.5.1 Conventional Footings

Continuous and isolated footings may be designed to impose an allowable bearing pressure of 2,000 pounds per square foot (psf). These bearing pressures apply for dead plus live loads and may be increased by one-third when considering wind or seismic loads.

Continuous and isolated footings should have minimum widths of 12 and 18 inches, respectively. The footings should be embedded a minimum of 24 inches. Embedment of exterior footings should be measured from the lowest adjacent exterior grade. Interior footings may be measured from the top of slab. Bearing values may be increased by 500 psf for each additional foot of depth above the minimum and 200 psf for each additional foot of width to a maximum of 3,000 psf. After excavation, footing bottoms should be observed by a representative of this office to evaluate if additional soil removal or recompaction is warranted.

Steel reinforcement should be per the structural engineer's recommendations; however, minimum continuous footing reinforcement should consist of one number 4 bar in the top and bottom (total of 2 bars).

7.5.2 Conventional Footings - Retrofit

The seismic retrofit may be supported on continuous and isolated footings founded in suitable existing fill soils or competent native soils and should be a minimum of 12 and 24 inches wide, respectively. The footings may be designed to impose an allowable soil bearing pressure of 2,500 psf provided they are a minimum of 24 inches below the lowest adjacent grade. The above net allowable bearing capacity may be increased by one-third for short-term wind and seismic loads.

The embedment should be a minimum of 24 inches for perimeter and interior footings, or re-evaluated to match the existing footings. The lowest adjacent grade is the lowest soil grade adjacent the footings, interior or exterior. After excavation, footing bottoms should be compacted. Interior footings may be measured from the top of slab.

Steel reinforcement should be per the structural engineer's recommendations. However, minimum reinforcement for continuous footings should consist of one #4 bar in the top and bottom (minimum total of two bars).

7.5.3 New Footing Surcharge on Existing Adjacent Footings

Where new footings are utilized for the seismic retrofit, the footings should be founded at the same depth as the existing footings. Because of the influence of the new applied load, new footings will add vertical stress to the soils underlying the existing adjacent footings. For continuous wall footings and for square pad footings, approximately 20% and 10% of the wall or square footing load in psf, respectively, will be distributed under the adjacent existing wall footing. The resulting settlement can be calculated once footing sizes and loads along with the location of the new footings relative to existing footings are known.

The soil stresses from existing footings should not have an effect on adjacent new footing settlement since stresses from the existing footings are already applied and settlement has already occurred.

7.5.4 Resistance to Lateral Loads

Lateral forces on foundations in fill soils may be resisted by passive earth pressure and base friction. Lateral passive earth pressure may be considered equal to a fluid weighing 250 pounds per cubic foot (pcf) where the footing is on level ground. Base friction may be computed at 0.4 times the normal load. These values have a factor of safety of 1.5 and may be combined without reduction.

7.5.5 Foundation Settlement

Static settlements of new footings due to static loading are anticipated to be minor with settlement on the order of ½ to ¾-inch. This should be confirmed when the actual foundation loads become available. Differential settlements between adjacent columns with similar static loading are anticipated to be on the

order of one half the total settlements. Differential settlement between new and existing foundations should be evaluated when the actual foundation locations and loads become available.

The potential for seismic induced settlement due to liquefaction and lateral spread have been previously discussed in this report. Seismic induced movements are in addition to the potential for static settlement.

All structures settle during construction and minor structure settlement can occur after construction during the life of the project. Minor wall or slab cracking may also be associated with settlement or expansive soil movement. Wall cracking can also occur associated with expansion and contraction of structural wood members due to thermal or moisture changes. Settlement or soil movement could occur if the soils become saturated due to excessive water infiltration generally caused by excessive irrigation, poor drainage, etc.

7.5.6 Footing Excavations

Footings should be cut square and level and cleaned of slough and soils silted into the excavations. A representative of this office should observe the footing excavations prior to placing reinforcing steel. The footings should be cast as soon as possible to avoid deep desiccation of the footing subsoils. Soil excavated from the footing trenches should not be spread over areas of construction unless properly compacted.

7.5.7 Slabs-On-Grade

The concrete slabs-on-grade within the building interiors should be a minimum of 4 inches thick and underlain by a minimum of 4 inches of aggregate as required by the applicable building code. Reinforcement should consist of a minimum of No. 4 bars at 18 inches on centers in both directions or per the structural engineer's design. The slab steel reinforcement should be extended into the foundations to within 3 inches of the footing bottom at 36 inches on center.

7.5.8 Concrete Placement and Cracking

Minor cracking of concrete slabs is common and is generally the result of concrete shrinkage continuing after construction. Concrete shrinks as it cures resulting in shrinkage tension within the concrete mass. Since concrete is weak in tension, development of tension results in cracks within the concrete. Concrete should be placed using procedures to minimize the cracking within the slab. Shrinkage cracks can become excessive if water is added to the concrete above the allowable limit and proper finishing and curing practices are not followed. Concrete mixing, placement, finishing, and curing should be performed per the American Concrete Institute Guide for Concrete Floor and Slab Construction (ACI 302.1R). Concrete slump during placement should not exceed the design slump specified by the structural engineer. Where shrinkage cracks would be unsightly, concrete slabs on grade including post-tensioned slabs should be provided with tooled crack control joints at 10-15 foot centers or as specified by the structural engineer.

7.5.9 Under-Slab Treatment

Where moisture sensitive floor coverings will be utilized, an appropriate moisture vapor retarder layer should be installed and maintained below the concrete slabs to reduce moisture vapor transmission through the slab. Ten-mil plastic sheeting is commonly used as a moisture vapor retarder layer. If a higher degree of moisture retarder is warranted, a retarder in general accordance with ASTM E 1745-97 *Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs* should be considered below the interior concrete slabs on-grade installed per ASTM E1643-98(2005) *Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs*.

Perforations through the moisture vapor retarder such as at pipes, conduits, columns, grade beams, and wall footing penetrations should be sealed per the manufacturer’s specifications or ASTM E1643-

98(2005) *Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill under Concrete Slabs*. Proper construction practices should be followed during construction of the slab on-grade. Repair and seal tears or punctures in the moisture barrier that may result from the construction process prior to concrete placement.

Minimizing shrinkage cracks in the slab-on-grade can further minimize moisture vapor emissions. A properly cured slab utilizing low-slump concrete will reduce the risk of shrinkage cracks in the slab as described herein.

The concrete contractor should be made aware of the moisture vapor retarder and required to protect the layer. Perforations made in the layer by the concrete contractor should be properly sealed prior to concrete placement. In addition, if the concrete is placed directly on top of the layer the concrete contractor should make the necessary changes in the concrete placement and curing. Placing the concrete directly on top of the moisture vapor retarder layer allows the layer to be observed for damage directly prior to concrete placement.

The slabs should be tested for moisture content prior to the selection of the flooring and adhesives. Moisture in the slabs should not exceed the flooring manufacturer's specifications. The concrete surface should be sealed per the manufacturer's specifications if the moisture readings are excessive.

Where cuts are made into the slab for future construction, the moisture vapor retarder layer should be repaired per the manufacturer’s recommendation. Information regarding the need to repair the moisture vapor retarder layer and information on the selection of acceptable floor coverings should be conveyed to the school district personnel.

7.5.10 Moisture Penetration

Conventional footings and reinforced slab-on-grade subgrade soils should be premoistened to 3% over the optimum moisture content for a depth of 18 inches. However, the subgrade soils should not be flooded or soaked creating a saturated condition. A representative of this office should observe the subgrade soil premoistening prior to casting the concrete. Soils silted into the footing excavations during the premoistening operations should be removed prior to casting the concrete.

7.6 FLAG POLE FOOTING RECOMMENDATIONS

New, remodeled, or retrofit structures may be supported by flagpole footings. These footings (piles) may be designed using an allowable lateral bearing pressure of 250 psf per foot of depth for level ground (maximum pressure should not exceed 2,500 psf). This value has a factor of safety of 1.5. If deflection of pole foundations is a concern, deflection calculations can be provided when loads are known.

7.6.1 Pile Construction

Due to layers of sand, some caving or raveling should be anticipated during the pile construction. The drilling contractor should be prepared to use casing in areas where excessive caving occurs. To minimize caving potential, piles should be filled with concrete in a timely manner and not left open overnight.

Care should be exercised when casting adjacent piles to avoid blowout from one excavation into the other. From an engineering standpoint, the preferred method would be to excavate, cast, and let the concrete achieve initial set prior to excavating the adjacent pile. However, where spacing between adjacent piles is greater than three times the largest pile diameter, satisfactory results have been achieved by casting adjacent piles simultaneously, keeping the differential elevation of the concrete less than five feet between piles.

Pile excavations should be observed by the project geotechnical consultant prior to setting reinforcing steel to verify the anticipated geotechnical conditions or to evaluate any unanticipated conditions encountered.

7.7 RETAINING WALLS

7.7.1 General

Retaining walls may be designed using the foundation recommendations previously provided herein.

7.7.2 Lateral Earth Pressures

Retaining walls that are backfilled with granular soils having a low expansion potential (Expansion Index less than 50) and allowed to yield at the top may be designed for an active pressure of 40 and 60 pounds per cubic foot for a level and 2(horizontal):1(vertical) slope backfill condition, respectively. Aerial surcharge may be treated as additional height of backfill where one foot of additional height is assumed for each 125 psf of aerial surcharge.

7.7.3 Lateral Seismic Pressure

Lateral seismic soil pressure is not required for retaining walls under 6 feet high. Walls over 6 feet high should be designed for seismic pressure of 15 pounds per cubic foot taken as an inverted triangle.

7.7.4 Waterproofing

Retaining walls should be waterproofed prior to installing the drainage system and wall backfill.

7.7.5 Drainage

A drainage system should be constructed behind retaining walls over two feet high to mitigate possible buildup of hydrostatic pressures. The drainage system may consist of either a drainage composite or granular drain consisting of a minimum 12 inch wide zone of ¾ ± inch rock separated from the native materials by a single layer of filter cloth. The drainage system should extend to within 2 feet of finish grade with the upper 2 feet backfilled with native material. The drainage system should be hydraulically connected to a perimeter pipe drain consisting of a minimum 4 inch diameter perforated PVC (Schedule 40) pipe or equivalent. The pipe may be laid horizontally on the footing with the pipe invert at least 6 inches below any adjacent top of slab-on-grade. The outlet pipe from the perimeter drain should be a non-perforated 4 inch diameter PVC (Schedule 40) pipe that is sloped to and connected to a storm drain system or sump. An as-built plan should be prepared detailing the location of the wall drainage system.

7.7.6 Backfilling

Retaining walls should be backfilled with soils having an expansion of less than 50, which may require select grading or import. The backfill should be placed in 6-inch lifts at slightly over optimum moisture content and compacted to at least 90 percent relative compaction. If the backcut is flatter than ½(horizontal):1(vertical), the backfill should be benched into the backcut slope. Light equipment should be used immediately behind the walls to prevent possible over-stressing.

7.8 EXTERIOR SLABS AND WALKWAYS

Exterior concrete slabs-on-grade and walkways should be a minimum of 4 inches thick and underlain by a minimum of 4 inches of sand. Exterior slabs should be reinforced with a minimum of #3 bars on 24 inch centers in each direction. All slabs should have crack control joints (full depth joints) at intervals of 10 to 15 feet. Sidewalks may consist of unreinforced concrete provided the walks are provided with crack control joints at spacing equal to the walk width.

Concrete subgrade soils should be properly placed and compacted for the support of the concrete flat-work. Prior to placing concrete, the subgrade soils should be premoistened to a minimum of 3% over the optimum moisture content for a minimum depth of 12 inches. Proper premoistening can reduce the risk

of slab subgrade expansion, if used in addition to other preventive measures. The subgrade soil premoistening should be observed by this office prior to placing the concrete.

7.9 PRELIMINARY PAVING SECTION

7.9.1 Structural Section

Structural sections consisting of asphaltic concrete (AC) placed over a compacted layer of aggregate base are provided in the table below based on an average R value for the subgrade soils of 7. The asphalt and base should be properly placed and compacted to a minimum of 95% relative compaction. The project civil engineer should determine the appropriate traffic index for the pavement area. If buses will be using any of the drive areas a higher traffic index and thicker pavement section should be considered.

Asphalt pavements should be maintained by filling cracks that appear and with periodic application of fog sealers to replace surface oils that are lost due to weathering and wear.

PRELIMINARY PAVEMENT SECTIONS	
Traffic Index	"R" Value = 7
4.0 playground	3" AC / 7" AB
5.0	3" AC / 10" AB
6.0 light automobile traffic	3" AC / 14" AB or 4" AC / 12"
AC = Asphaltic Concrete AB = Aggregate Base	

7.9.2 Subgrade Preparation

The subgrade soils within areas of proposed paving should be moistened to slightly above the optimum moisture content and compacted to at least 90% of the laboratory standard prior to placing aggregate base.

7.9.3 Aggregate Base Preparation

The aggregate base materials should be moistened to slightly above the optimum moisture content and compacted to at least 95% of the laboratory standard prior to placing concrete.

7.10 SITE DRAINAGE

Positive drainage should be consistently provided and maintained away from structures during and after construction per the grading plan or applicable building codes. In addition, drainage should not be changed creating an adverse drainage condition.

Water should not be allowed to gather or pond against foundations or hardscape allowing water migration into the subgrade. Therefore, landscape watering should be held to a minimum and irrigation systems maintained in good repair. Sprinkler or plumbing leaks should be immediately repaired. Trees should be spaced so that roots will not extend under foundations or slabs. Planters near a structure should be constructed so that irrigation water will not saturate footing and slab subgrade soils.

7.11 PLAN REVIEW

As the project design process continues, this office should review building locations, grading plans, foundation plans and specifications prior to starting construction to review conformance to recommendations in this report. Additional geotechnical site evaluation may be necessary when plans are available for the modernization project. Additional analysis and recommendations may be necessary based for the plan review.

8.0 CLOSURE

This report was prepared under the direction of a registered geotechnical engineer and certified engineering geologist. No warranty, expressed or implied, is made as to conclusions and professional advice included in this report. Gorian and Associates, Inc. disclaims any and all responsibility and liability for problems that may occur if the recommendations presented in this report are not followed.

This report was prepared for Los Angeles Unified School District and their design consultants solely for the design and construction of the development described herein. This report may not contain sufficient information for other uses or the purposes of other parties. The recommendations are based on interpretations of the subsurface conditions concluded from information gained from subsurface explorations and a surficial site reconnaissance. The interpretations may differ from actual subsurface conditions, which can vary horizontally and vertically across the site. Due to possible subsurface variations, a representative of this office should observe all aspects of field construction addressed in this report. Anyone using this report for bidding or construction purposes should perform such independent investigations as they deem necessary.

The scope of the services provided by Gorian and Associates, Inc. and its staff, excludes responsibility and/or liability for work conducted by others. Such work includes, but is not limited to, means and methods of work performance, quality control of the work, superintendence, sequencing of construction and safety in, on, or about the jobsite.

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Please contact our office if you have questions regarding this report or require additional information.

Respectfully,

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APPENDIX A

LOGS OF SUBSURFACE DATA

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-1

Page Number: 1

Date(s) Excavated 4/10/17	Logged By CHD	Excavation Location See Map	Approximate Surface Elevation 970'
Excavation Dimension 8"	Equipment Contractor 2R Drilling	Equipment Type CME 75	Hammer Data 140#, 30" Drop

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
970 / 0								CONCRETE (4")	% Sand: Silt: Clay
						SC		ALLUVIUM: Dark brown clayey fine SAND (moist, medium dense).	
			17	11.1	119				
						SM		Yellowish brown very silty, very fine SAND (moist, medium dense).	
965 / 5			24	5.8	119	SM		Yellowish brown silty fine to coarse SAND, some fine gravel (damp, medium dense).	
			11	11.6	102	SM		Yellowish brown very silty, very fine SAND (moist, medium dense).	
960 / 10			2/2/2			ML		Yellowish brown very fine sandy SILT (moist, medium stiff). At 10'; becoming loose. Few fine gravels.	@ 10' 46: 42: 12
			8	9.6	102	SM		Yellowish brown very silty, fine SAND (moist, loose to medium dense).	
955 / 15			4/4/3						
			17	19.2	97			At 18'; becoming medium dense.	@ 18' 50: 36: 14
950 / 20			12/5/3			SM		Yellowish brown silty fine to coarse SAND, some fine to medium gravel (damp, medium dense).	
						SM		Yellowish brown very silty, very fine SAND (moist, medium dense).	
			31	4.6	114	SM		Yellowish brown silty fine to coarse SAND, some fine to medium gravel (damp, medium dense).	
945 / 25			9/12/12			SM		Light yellowish brown slightly silty fine to coarse SAND (damp, medium dense). Friable. Some fine to medium gravels.	
			50	4.0	107			At 28'; becoming dense.	
940 / 30			8/12/13					At 30'; becoming medium dense.	
			37	4.5	120	SM		Yellowish brown silty fine to coarse SAND, some fine to coarse gravel (moist, medium dense).	
935 / 35			6/10/12			CL		Brown sandy CLAY (moist, very stiff to hard).	
			36	12.7	119				
						SC		Brown clayey fine to medium SAND (moist, dense).	

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-1

Elevation / Depth (ft.)	Bulk Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
930 — 40		10/ 16/ 17			SC		Brown clayey fine SAND (moist, dense).	
		55	13.9	118	SM		Yellowish brown silty fine SAND (moist, dense).	
925 — 45		12/ 18/ 19			SM		Light yellowish brown silty fine SAND (damp, dense). Friable.	
		51	11.8	101				
					CL		Yellowish brown silty CLAY, trace fine sand (moist, hard).	
920 — 50		8/7/ 8			SM		Yellowish brown silty fine SAND (damp, medium dense).	
					ML		Yellowish brown SILT (moist, medium stiff).	
					CL		Yellowish brown silty CLAY (moist, medium stiff).	
							Total Depth 51½'	
							No Caving Observed	
							No Groundwater Encountered	
915 — 55							Backfilled with cuttings Topped with Quickset Concrete	
910 — 60								
905 — 65								
900 — 70								
895 — 75								
890 — 80								

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-2

Page Number: 1

Date(s) Excavated 4/10/17	Logged By AK	Excavation Location See Map	Approximate Surface Elevation 974'
Excavation Dimension 8"	Equipment Contractor 2R Drilling	Equipment Type CME 75	Hammer Data 140#, 30" Drop

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
0						SM		ASPHALTIC CONCRETE (3")	
								FILL: Brown silty clayey fine SAND (moist, loose to medium dense). Mottled with occasional gravel.	
		■	13	8.8	113				
970									
5		■	15	9.9	113				
	■					CL		ALLUVIUM: Brown to dark brown sandy CLAY with gravel (moist, very stiff).	
		■	25	9.2	121				
965									
10		■	30	14.2	119			At 10'; manganese oxide staining.	
						CL		Brown fine to medium sandy CLAY with manganese oxide staining (moist, very stiff).	
960									
15		■	24	11.0	116				
955									
20		■	41	9.6	121	SM		Brown to yellowish brown clayey fine to coarse SAND with gravel (damp, medium dense).	
						SM		Yellowish brown silty fine to coarse SAND (damp, medium dense to dense) with gravel becoming moist with more gravel at depth.	
950									
25		■	42	2.2	116				
945									
30		■	48	6.2	115				
								Total Depth 31' No Caving Observed No Groundwater Encountered	
940								Backfilled with cuttings Topped with Cold Patch	
35									
935									

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-3

Page Number: 1

Date(s) Excavated 4/10/17	Logged By AK	Excavation Location See Map	Approximate Surface Elevation 972'
Excavation Dimension 8"	Equipment Contractor 2R Drilling	Equipment Type CME 75	Hammer Data 140#, 30" Drop

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
0								ASPHALTIC CONCRETE (4") / AGGREGATE BASE (3")	
						SC		FILL: Brown to dark brown clayey fine SAND (moist, medium dense).	
970			11	5.6	98	SM		ALLUVIUM: Yellowish brown to light brown silty very fine SAND (moist, loose to medium dense).	
5			13	3.7	101				
965			20	2.1	109				
						SM		Brown clayey silty fine SAND (damp, medium dense).	
10			11	7.2	83				
960									
15			18	3.8	115			At 15'; gravel.	
955									
						SM		Yellowish brown silty very fine to fine SAND (damp, medium dense).	
20			20	5.2	100				
950									
25			27	7.9	96			At 26'; some manganese oxide staining.	
945									
30			35	5.3	116			At 30'; becoming gravelly.	
940								Total Depth 31' No Caving Observed No Groundwater Encountered Backfilled with cuttings Topped with Cold Patch	
35									
935									

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-4

Page Number: 1

Date(s) Excavated 4/10/17	Logged By AK	Excavation Location See Map	Approximate Surface Elevation 974'
Excavation Dimension 8"	Equipment Contractor 2R Drilling	Equipment Type CME 75	Hammer Data 140#, 30" Drop

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
0						SC		ASPHALTIC CONCRETE (3½")	% Sand: Silt : Clay
								FILL: Brown to dark brown clayey fine to medium SAND (moist, medium dense).	
			21	10.9	124	CL		ALLUVIUM: Brown to dark brown sandy CLAY with gravel (moist, stiff). At 4'; chatter.	
970						SC		Brown to dark brown clayey fine to medium SAND with gravel (moist, medium dense).	
5			15	14.7	117				
			8/ 10/ 14			CL		Brown to dark brown sandy CLAY (moist, very stiff).	
965									
10			20	14.2	114	SC		Brown to dark brown clayey fine to medium SAND (moist, medium dense).	
			4/5/ 7			ML		Brown to dark brown fine to medium sandy SILT (moist, stiff).	@ 12' 34: 44: 22
960									
15			40	16.3	110	CL		Dark brown sandy CLAY (damp, hard). Some iron oxide staining.	
			9/ 17/ 27			SC		Dark brown clayey fine SAND (damp, dense).	
955									
20			68	12.2	115			At 21'; manganese oxide.	
			14/ 17/ 16						
950									
25			31	9.6	92	SM		Yellowish brown silty very fine SAND (damp, medium dense).	
			8/ 10/ 15						
945									
30			28	12.0	102				
						SC		Brown to dark brown clayey fine to medium SAND (damp, medium dense) with caliche veins.	
			7/ 10/ 12			ML		Brown to dark brown fine to medium sandy SILT (damp, very stiff).	@ 32' 34: 44: 22
940									
35			29	9.8	112	SC		Brown to dark brown clayey fine to medium SAND (damp, medium dense) with caliche veins.	
			18/ 24/ 32			SM		Yellowish brown silty fine to medium SAND (damp, very dense). Some caliche layers. At 37'; small gravel layer (½") with pockets of medium to coarse silty sands and gravel.	
935									

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-4

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
40		■	37	7.3	118				
		◥	14/ 50+						
930 / 45						GM		Yellowish brown silty GRAVEL (damp, dense). At 43' to 46'; chatter, coarse gravel.	
		◥	24/ 36/ 29			SM		Yellowish brown silty fine to coarse SAND with gravel (damp, very dense to dense). Caliche.	
925 / 50		■	46	13.6	112				
								Total Depth 51' No Caving Observed No Groundwater Encountered Backfilled with cuttings Topped with Cold Patch	
920 / 55									
915 / 60									
910 / 65									
905 / 70									
900 / 75									
895 / 80									

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-5

Page Number: 1

Date(s) Excavated 4/10/17	Logged By AK	Excavation Location See Map	Approximate Surface Elevation 973'
Excavation Dimension 8"	Equipment Contractor 2R Drilling	Equipment Type CME 75	Hammer Data 140#, 30" Drop

Elevation / Depth (ft.)	Bulk Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
0					SM		ASPHALTIC CONCRETE (4")	
							FILL: Reddish brown silty fine SAND (moist, medium dense).	
		31	4.5	108	SC		Brown mottled clayey fine to medium SAND (damp, dense).	
970								
					SC		ALLUVIUM: Brown clayey fine to medium SAND with manganese oxide (damp, very dense).	
5		100	9.8	124				
		61	8.9	122			At 7'; caliche.	
965								
10		51	6.3	120				
960								
15		37	4.4	113				
					CL		Brown sandy CLAY with gravel and caliche (damp, hard).	
955								
20		39	10.5	102	SM/ SC		Light brown silty to clayey fine to medium SAND (damp, medium dense to dense). Some clayey units interstratified with clayey sands.	
950					CL		Brown silty CLAY with trace sand (damp, hard).	
25		77	8.3	115				
945					SM		Yellowish brown to light brown silty fine to medium SAND (damp, very dense).	
30		100	9.4	116			At 31';becoming clayey with manganese oxide.	
							Total Depth 31'	
							No Caving Observed	
							No Groundwater Encountered	
940								
							Backfilled with cuttings	
							Topped with Cold Patch	
35								
935								

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-6

Page Number: 1

Date(s) Excavated 4/11/17	Logged By AK	Excavation Location See Map	Approximate Surface Elevation 970'
Excavation Dimension 8"	Equipment Contractor 2R Drilling	Equipment Type CME 75	Hammer Data 140#, 30" Drop

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
970 / 0						SM		ASPHALTIC CONCRETE (4")	% Sand: Silt: Clay
								FILL: Brown silty fine SAND (moist, medium dense).	
		■	22	4.5	123	SC		ALLUVIUM: Yellowish brown clayey medium SAND (moist, medium dense)..	
965 / 5	■	■	20	5.0	110	SP		Yellowish brown medium SAND (moist, medium dense).	
		◤	2/2/2			ML		Brown medium sandy SILT (moist, loose).	@ 7' 46: 41: 13
						SM		Yellowish brown silty medium SAND (moist, loose).	
960 / 10		■	16	12.6	97	SM		Yellowish brown silty fine SAND (moist, medium dense).	
		◤	3/5/8						
						SC		Brown to reddish brown clayey medium to coarse SAND with some gravel (moist, medium dense).	
955 / 15		■	38	--	--	SM		Brown to yellowish brown silty medium to coarse SAND with gravel (damp, medium dense to dense).	
		◤	3/9/10						
						SM		Yellowish brown silty very fine to fine SAND (damp, medium dense).	
950 / 20		■	22	2.3	99				
		◤	6/13/15			SM		Yellowish brown silty fine to medium SAND (damp, medium dense). Some iron oxide staining.	
945 / 25		■	15	5.5	109	SM		Brown to yellowish brown silty fine to coarse SAND, with trace gravel (damp, medium dense).	
		◤	3/3/4			SM		Brown silty very fine to fine SAND (damp to moist, loose).	@ 27' 65: 25: 10
940 / 30		■	37	3.9	122	SM		Yellowish brown silty fine to coarse SAND with gravels (damp, medium dense).	
						SC		Brown clayey very fine SAND with gravel (damp, medium dense).	
		◤	6/9/12			CL		Brown sandy CLAY (damp, very stiff to hard). Some caliche and manganese oxide.	
935 / 35		■	33	13.3	114				
		◤	5/9/12						
						SC		Brown to yellowish brown clayey fine SAND (damp, medium dense to dense).	

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-6

Elevation / Depth (ft.)	Bulk Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
930 — 40	■	44	4.6	116	SM		Yellowish brown silty fine to coarse SAND (damp, dense).	
	◥	23/ 39/ 49					At 42½'; becoming gravelly, very dense.	
925 — 45	■	68	4.9	110	GP		Yellowish brown to reddish brown fine to coarse sandy GRAVEL (damp, dense).	
	◥	5/ 13/8			CL		Brown fine sandy CLAY (moist, very stiff).	
					SC		Brown clayey fine SAND (moist, medium dense).	
920 — 50	■	23	14.3	111			At 51'; manganese oxide.	
							Total Depth 51' No Caving Observed No Groundwater Encountered Backfilled with cuttings Topped with Cold Patch	
915 — 55								
910 — 60								
905 — 65								
900 — 70								
895 — 75								
890 — 80								

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-7

Page Number: 1

Date(s) Excavated 4/11/17	Logged By AK	Excavation Location See Map	Approximate Surface Elevation 972'
Excavation Dimension 8"	Equipment Contractor 2R Drilling	Equipment Type CME 75	Hammer Data 140#, 30" Drop

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
0						SC		ASPHALTIC CONCRETE (3")	
								FILL: Brown clayey fine SAND (moist, dense).	
970		■	35	7.8	126				
						CL		ALLUVIUM: Dark brown sandy CLAY with iron oxide staining (moist, stiff).	
						SM		Yellowish brown silty medium to coarse SAND with gravel (damp, medium dense).	
5		■	27	2.3	113				
	■								
965		■	25	2.6	105			At 7'; becoming more gravelly.	
10		■	20	6.5	94				
960									
15		■	37	3.2	112				
955									
20		■	19	3.4	116			At 20'; becoming less gravelly.	
950									
25		■	44	4.3	119			At 25'; becoming gravelly and cobbly.	
945									
30		■							
			21	4.1	112	SM		Brown silty very fine to fine SAND (damp to moist, medium dense).	
940								Total Depth 31' No Caving Observed No Groundwater Encountered Backfilled with cuttings Topped with Cold Patch	
35									
935									

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-8

Page Number: 1

Date(s) Excavated 4/10/17	Logged By CHD	Excavation Location See Map	Approximate Surface Elevation 964'
Excavation Dimension 8"	Equipment Contractor 2R Drilling	Equipment Type CME 75	Hammer Data 140#, 30" Drop

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
0	■					CL		ALLUVIUM: Very dark grayish brown silty CLAY (wet, soft to stiff).	
		■	13	24.1	96				
	■					CL		Yellowish brown silty CLAY, some calcium carbonate veinlets (moist, stiff).	
960									
5		■	18	20.4	101				
						SM		Yellowish brown very silty fine SAND (moist, medium dense).	
		■	11	19.9	99	CL		Yellowish brown silty CLAY (very moist, stiff).	
955									
10		◥	3/5/7			CL		Brown silty CLAY, trace sand (moist, stiff).	
		■	32	17.3	113	CL		Brown to yellowish brown sandy CLAY (moist, hard).	
950									
15		◥	7/9/11					At 15'; becoming very stiff.	
		■	22	18.8	109	CL		Yellowish brown silty CLAY (moist, very stiff).	
945									
20		◥	4/6/7					At 20'; becoming stiff, very moist.	
						SM		Yellowish brown silty fine SAND (moist, medium dense).	
		■	20	30.4	93	CL		Yellowish brown silty CLAY (very moist, very stiff). Trace sand.	
940									
25		◥	6/8/11						
		■	25	21.4	102				
935									
30		◥	6/9/13			CL		Yellowish brown sandy CLAY (moist, very stiff).	
		■	42	19.8	111				
930						SC		Yellowish brown clayey fine to coarse SAND (moist, dense).	
35		◥	10/12/18						
						CL		Yellowish brown silty CLAY (moist, very stiff).	
		■	55	16.0	113			At 38'; becoming hard, damp.	
925									

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-8

Elevation / Depth (ft.)	Bulk Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
40		10/ 11/7			SM		Yellowish brown silty fine to coarse SAND, few fine gravels (damp, medium dense).	
					SM		Yellowish brown very silty fine SAND (moist, medium dense).	
		37	12.8	112				
920					ML		Yellowish brown clayey SILT (moist, hard).	
45		9/ 18/ 28			SM		Yellowish brown silty fine SAND (damp, dense). Friable.	
					SM		Light yellowish brown silty fine SAND (damp, dense). Friable.	
		49	5.2	108				
915								
50		13/ 15/ 16						
							Total Depth 51½' No Caving Observed No Groundwater Encountered Backfilled with cuttings	
910								
55								
905								
60								
900								
65								
895								
70								
890								
75								
885								
80								

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-9

Page Number: 1

Date(s) Excavated 4/10/17	Logged By CHD	Excavation Location See Map	Approximate Surface Elevation 968'
Excavation Dimension 8"	Equipment Contractor 2R Drilling	Equipment Type CME 75	Hammer Data 140#, 30" Drop

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
0								CONCRETE (7")	
	■					SM		ALLUVIUM: Yellowish brown silty fine SAND (moist, medium dense).	
		■	16	7.5	101				
965						SM		Light yellowish brown silty fine to coarse SAND (damp, medium dense). Some fine gravel.	
5	■	■	20	2.9	97				
						SM		Light yellowish brown silty fine SAND (damp, medium dense). Friable.	
		■	27	1.7	99				
960									
						SM		Yellowish brown silty fine SAND (damp, medium dense).	
10		■	15	7.8	95				
955									
						SM		Light yellowish brown silty fine to coarse SAND, some fine to medium gravel (damp, dense).	
15		■	40	4.6	112				
950									
20		■	48	11.4	114				
						CL		Brown sandy CLAY (moist to damp, hard).	
945									
25		■	55	12.9	117				
940									
30		■	38	13.8	112	SC		Yellowish brown clayey fine to medium SAND (moist, medium dense).	
								Total Depth 31' No Caving Observed No Groundwater Encountered Backfilled with cuttings Topped with Quickset Concrete	
935									
35									
930									

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-10

Page Number: 1

Date(s) Excavated 4/11/17	Logged By CHD	Excavation Location See Map	Approximate Surface Elevation 969'
Excavation Dimension 8"	Equipment Contractor 2R Drilling	Equipment Type CME 75	Hammer Data 140#, 30" Drop

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
0						CL		ASPHALTIC CONCRETE (3")	
	■							ALLUVIUM: Brown sandy CLAY (moist, very stiff).	
		■	17	14.0	116	SC		Brown clayey fine to coarse SAND (moist, medium dense).	
965	■								
5		■	17	12.9	120				
		■	15	8.5	118	SM		Brown silty fine to coarse SAND, some fine to medium gravel (moist, medium dense).	
960									
10		■	14	5.1	111			At 10'; few coarse gravels.	
						SM		Yellowish brown silty fine SAND (moist, medium dense).	
955									
15		■	18	12.8	108				
						SM		Light yellowish brown slightly silty fine to coarse SAND, some fine to coarse gravels (damp, dense). Friable.	
950									
20		■	47	6.0	116				
945									
25		☒	28	--	--			At 25' and 26'; same as above, but coarse gravel to cobble in tip.	
		☒	37	--	--			Heavy chatter below 25', some cobbles.	
940									
30		■	55	5.1	122			At 30'; becoming very dense.	
								Total Depth 31' No Caving Observed No Groundwater Encountered	
935								Backfilled with cuttings Topped with Cold Patch	
35									
930									

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-11

Page Number: 1

Date(s) Excavated 4/11/17	Logged By CHD	Excavation Location See Map	Approximate Surface Elevation 968'
Excavation Dimension 8"	Equipment Contractor 2R Drilling	Equipment Type CME 75	Hammer Data 140#, 30" Drop

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
0						SM		ASPHALTIC CONCRETE (3")	% Sand: Silt: Clay
								ALLUVIUM: Yellowish brown silty fine SAND, some coarse gravel (damp, medium dense).	
			7	7.2	112				
965						SM		Yellowish brown silty fine to coarse SAND, some fine to medium gravels (damp, medium dense).	
5			11	8.4	115				
						SM		Light yellowish brown silty fine to coarse SAND, some fine to coarse gravel (damp, dense). Friable.	
			32	4.7	118				
960									
10			3/1/2						@ 10' 54: 37: 9
						SM		Light yellowish brown silty fine SAND (moist, medium dense). (Possibly disturbed sample).	
955			12	13.1	93			At 13'; becoming medium dense. Some coarse gravel.	
15			4/3/14			SM		Yellowish brown silty fine SAND, some fine to coarse sand (moist, medium dense).	
						SM		Light yellowish brown silty fine to coarse SAND, some fine to coarse gravel (moist, dense). Friable.	
950			48	4.5	122				
20			5/14/17					Below 20'; becoming damp, less silty.	
945			35	4.0	111				
25			8/11/13					At 25'; becoming medium dense.	
						SC		Yellowish brown clayey fine SAND (moist, medium dense).	
940			38	5.5	122				
						SM		Light yellowish brown silty fine to coarse SAND, some fine to medium gravel (damp, dense).	
30			5/8/12			CL		Yellowish brown silty CLAY (moist, very stiff).	
						SC		Yellowish brown clayey fine to coarse SAND (moist, medium dense).	
935			26	10.3	116				
						SM		Light yellowish brown silty fine to medium SAND (damp, medium dense).	
35			7/6/9			SC		Yellowish brown clayey fine SAND (moist, medium dense).	
						CL		Yellowish brown silty CLAY (moist, very stiff).	
						SC		Yellowish brown clayey fine SAND (moist, medium dense).	
930			32	16.6	105				

GORIAN & ASSOCIATES, INC.

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Work Order: 2880-63-0-100

SUBSURFACE LOG

Excavation Number: B-11

Elevation / Depth (ft.)	Bulk	Sample Type	Blow Counts	Moisture Content (% dry weight)	Dry Density (pcf)	USCS	Soil / Lithology	Description	Remarks
40			12/ 15/ 16			SC		Yellowish brown clayey fine to coarse SAND (moist, dense).	
						SC		Yellowish brown clayey fine SAND (moist, dense).	
925			39	20.9	103				
						SM		Light yellowish brown silty fine SAND (damp, medium dense to dense). Locally friable.	
45			8/ 16/ 14						
920			30	10.4	114	SM		Yellowish brown very silty fine SAND (moist, dense).	
50			8/9/ 9						
						SM		Light yellowish brown silty fine SAND (damp, medium dense).	
915								Total Depth 51½' No Caving Observed No Groundwater Encountered Backfilled with cuttings Topped with Cold Patch	
55									
910									
60									
905									
65									
900									
70									
895									
75									
890									
80									

APPENDIX B
LABORATORY TESTING

General
Laboratory test results on selected samples are presented below. Test were performed to evaluate the physical and engineering properties of the encountered earth materials, including in-situ moisture and dry density, compaction characteristics, expansion potential, consolidation characteristics and shear strength parameters. R-Value and soil corrosivity testing were performed under subcontract by a testing laboratory and corrosion engineer, respectively.

Field Density and Moisture Tests
In-situ dry density and moisture content were determined from the relatively undisturbed drive samples obtained during exploratory operations. The test results and a detailed description of the earth materials encountered are shown on the attached Logs of Subsurface Data, Appendix A.

Soil Expansion Test
An Expansion Index test was performed on a selected bulk sample of the encountered materials. The results are as follows:

Sample	Expansion Index	Expansion Index Range	Expansion Potential
B-8 @ 3’	54	51 - 90	Medium
B-10 @ 1’	22	21 - 50	Low

Optimum Moisture-Maximum Density Curve
Maximum density/optimum moisture tests (compaction characteristics) were performed on a selected bulk sample of the encountered materials. The results are as follows:

Sample	Visual Soil Classification	Maximum Dry Density (pcf)	Optimum Moisture Content (%)
B-1 @ 3’	Brown silty SAND	125.6	9.9
B-10 @ 3’	Brown clayey SAND	130.9	8.1

Direct Shear Tests
Strain controlled direct shear testing was performed on three relatively undisturbed samples and two remolded sample sets. The sample sets were saturated prior to shearing under axial loads ranging from 920 to 3,680 psf. The shear strength results are presented as graphic summaries.

Load Consolidation Testing
Load consolidation tests were conducted on eight relatively undisturbed drive samples. Test loads were added in increments to a maximum of 8,000 psf. Water was added at the approximate overburden pressure to study the effect of moisture infiltration on potential consolidation behavior. The consolidation results are presented on the attached figures as graphic summaries.

Grain Size Distribution
Grain size distribution analyses were performed on several bulk samples. The grain size was evaluated using a hydrometer and 3/8”, #4 and #10 sieves. The percentage sand, percentage silt, and percentage

clay was evaluated. The percentage of clay was assumed to be all particles finer than 0.002 mm. A table summarizing the results is presented below.

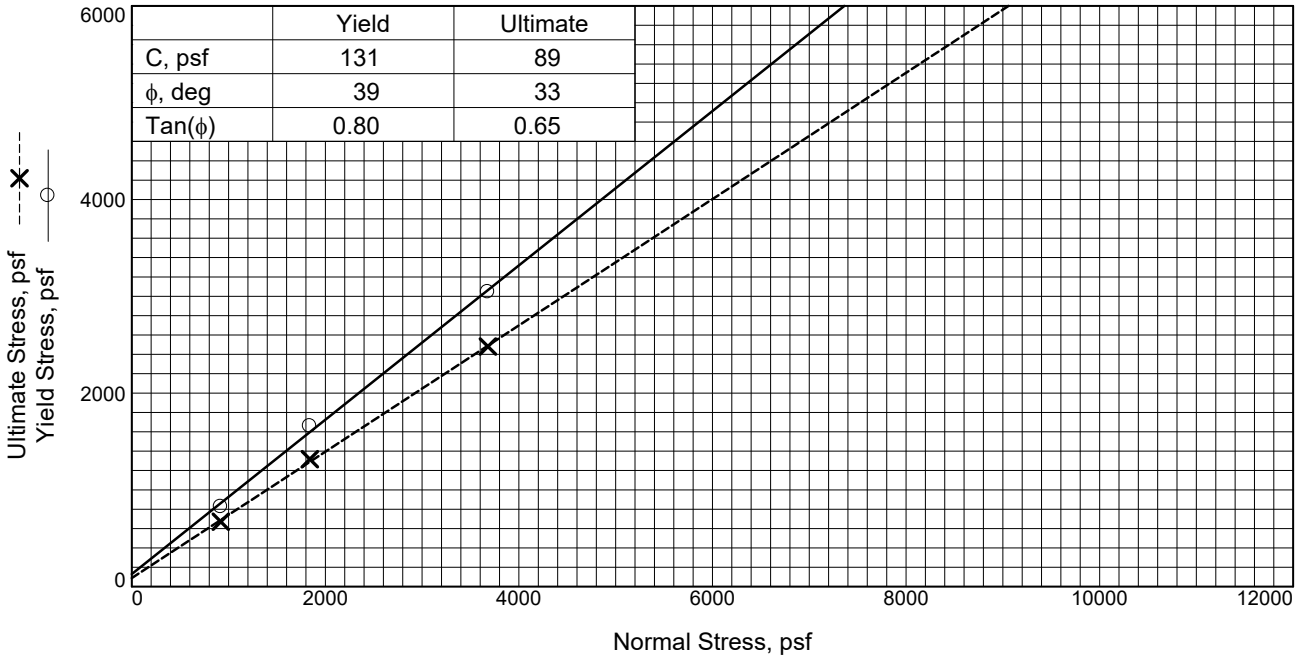
HYDROMETER RESULTS							
Boring	**Depth (feet)**	**% Gravel**	**% Sand**	**% Silt**	**% Clay**	**% Fines (silt and clay)**	**Classification**
B-1	10	--	46	42	12	54	ML
B-1	18	--	50	36	14	50	SM/ML
B-4	12	--	34	44	22	66	ML
B-4	32	--	34	44	22	66	ML
B-6	7	3	44	40	13	53	ML
B-6	27	6	59	25	10	35	SM
B-11	10	--	54	37	9	46	SM

R-Value Determination

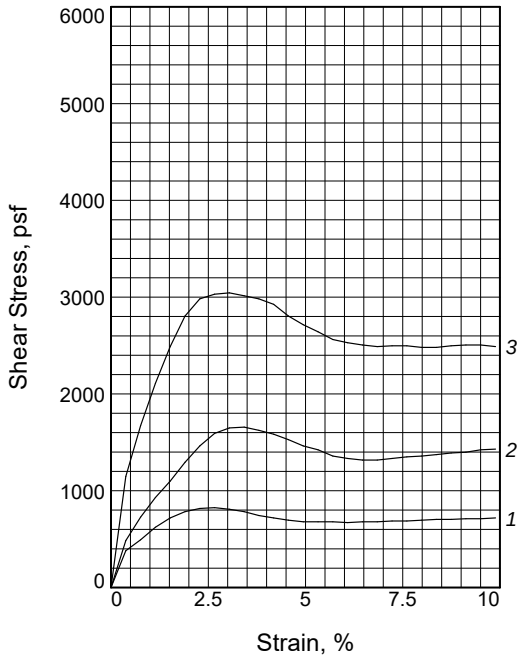
An R-Value determination was conducted by a subcontractor on the typical soil type encountered in the proposed pavement area. The test was performed in general accordance with the California State Test Method No. 301-F. An R-Value of 7 is indicated. The test results are attached.

Corrosion Testing

Two soil samples were sent under separate contract to be tested for corrosive properties. The test results are attached.



	Yield	Ultimate
C, psf	131	89
ϕ, deg	39	33
Tan(ϕ)	0.80	0.65



Sample No.		1	2	3
Initial	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf	N/A	N/A	N/A
	Saturation, %	N/A	N/A	N/A
	Void Ratio	N/A	N/A	N/A
	Diameter, in.	2.63	2.63	2.63
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf			
	Saturation, %			
	Void Ratio			
	Diameter, in.			
	Height, in.			
Normal Stress, psf		920	1840	3680
Yield Stress, psf		824	1657	3044
Strain, %		2.7	3.4	3.0
Ultimate Stress, psf		671	1317	2481
Strain, %		6.1	6.5	8.0
Strain rate, in./min.		0.02	0.02	0.02

Sample Type: Undisturbed
Description:

Specific Gravity=
Remarks:

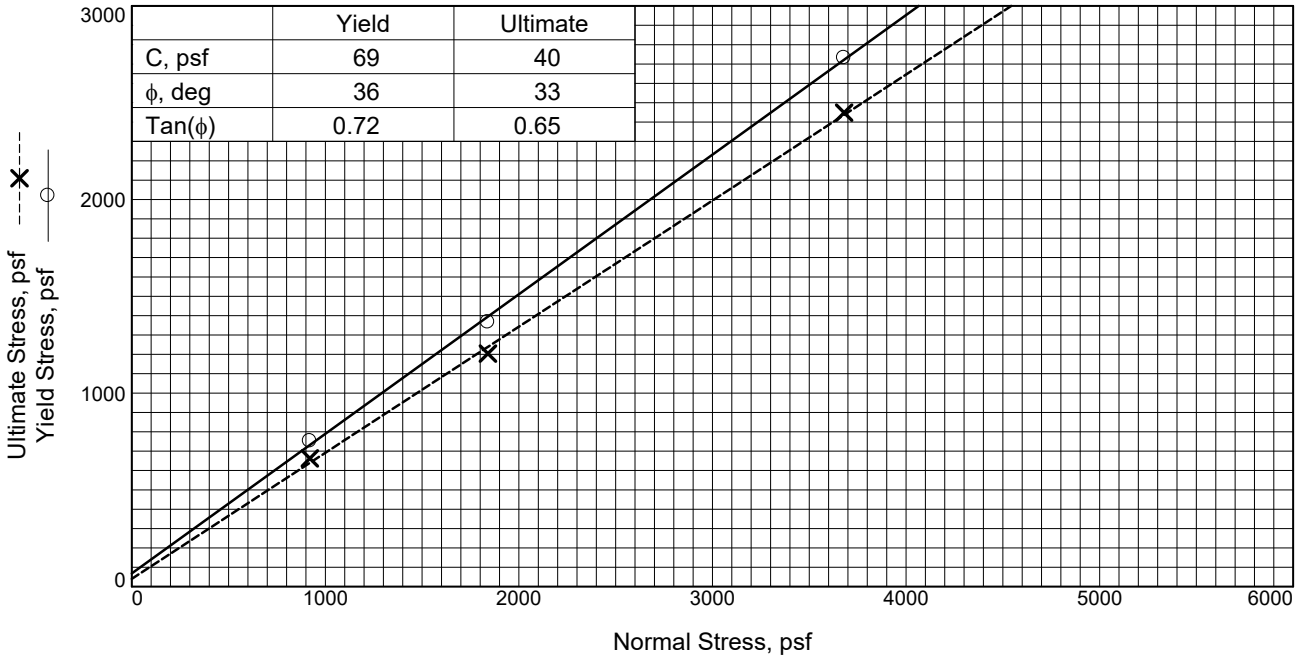
Figure _____

Client: LAUSD

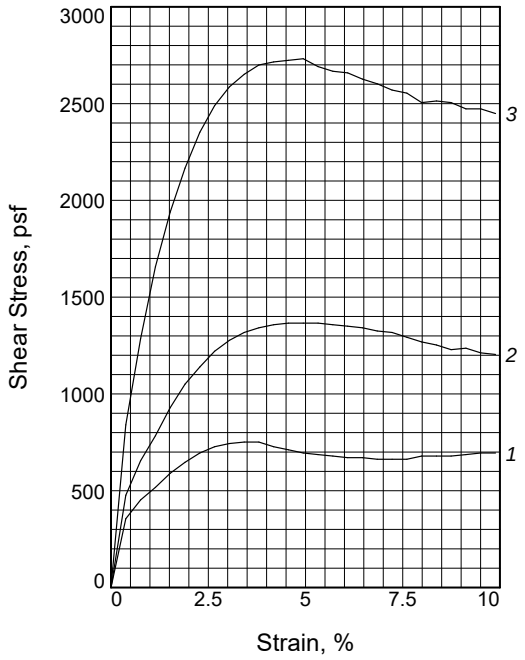
Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills
Sample Number: B-6 @ 5'

Proj. No.: 2880-63-0-100 **Date Sampled:**

DIRECT SHEAR TEST REPORT
Gorian & Associates
Thousand Oaks, CA



	Yield	Ultimate
C, psf	69	40
ϕ, deg	36	33
Tan(ϕ)	0.72	0.65



	Sample No.	1	2	3
Initial	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf	N/A	N/A	N/A
	Saturation, %	N/A	N/A	N/A
	Void Ratio	N/A	N/A	N/A
	Diameter, in.	2.63	2.63	2.63
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf			
	Saturation, %			
	Void Ratio			
	Diameter, in.			
	Height, in.			
Normal Stress, psf		920	1840	3680
Yield Stress, psf		752	1366	2732
Strain, %		3.8	4.6	4.9
Ultimate Stress, psf		663	1204	2449
Strain, %		6.8	9.9	9.9
Strain rate, in./min.		0.02	0.02	0.02

Sample Type: Undisturbed
Description:

Specific Gravity=
Remarks:

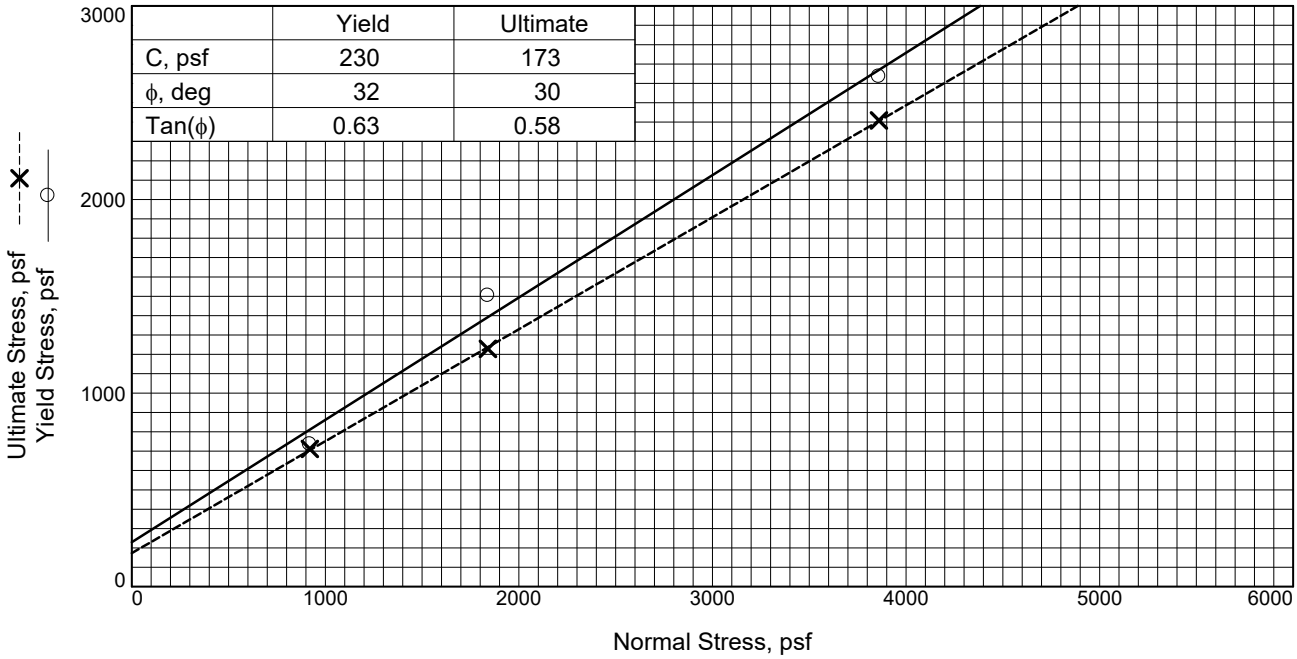
Figure _____

Client: LAUSD

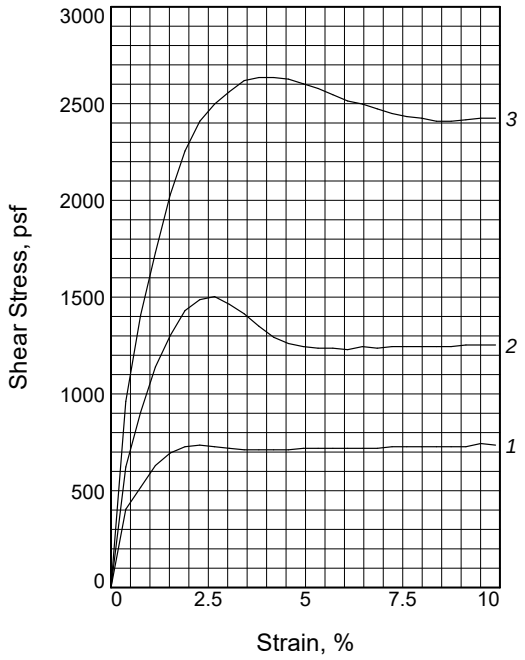
Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills
Sample Number: B-7 @ 7'

Proj. No.: 2880-63-0-100 **Date Sampled:**

DIRECT SHEAR TEST REPORT
Gorian & Associates
Thousand Oaks, CA



	Yield	Ultimate
C, psf	230	173
ϕ, deg	32	30
Tan(ϕ)	0.63	0.58



	Sample No.	1	2	3
Initial	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf	N/A	N/A	N/A
	Saturation, %	N/A	N/A	N/A
	Void Ratio	N/A	N/A	N/A
	Diameter, in.	2.63	2.63	2.63
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf			
	Saturation, %			
	Void Ratio			
	Diameter, in.			
	Height, in.			
	Normal Stress, psf	920	1840	3860
	Yield Stress, psf	735	1503	2635
	Strain, %	2.3	2.7	4.2
	Ultimate Stress, psf	711	1228	2408
	Strain, %	3.8	6.1	8.4
	Strain rate, in./min.	0.02	0.02	0.02

Sample Type: Undisturbed
Description:

Specific Gravity=
Remarks:

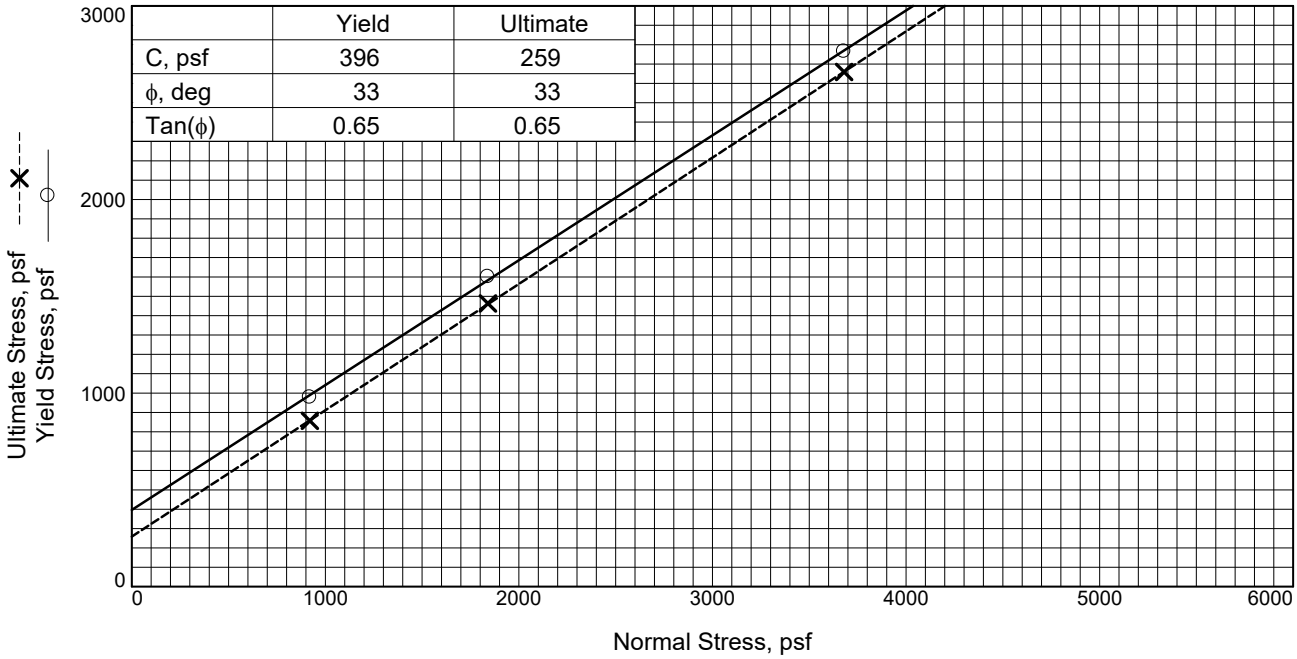
Figure _____

Client: LAUSD

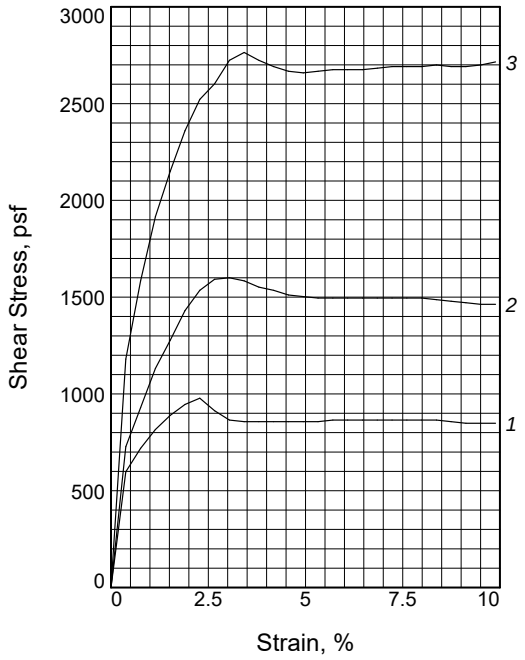
Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills
Sample Number: B-9 @ 7'

Proj. No.: 2880-63-0-100 **Date Sampled:**

DIRECT SHEAR TEST REPORT
Gorian & Associates
Thousand Oaks, CA



	Yield	Ultimate
C, psf	396	259
ϕ, deg	33	33
Tan(ϕ)	0.65	0.65



	Sample No.	1	2	3
Initial	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf	N/A	N/A	N/A
	Saturation, %	N/A	N/A	N/A
	Void Ratio	N/A	N/A	N/A
	Diameter, in.	2.63	2.63	2.63
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf			
	Saturation, %			
	Void Ratio			
	Diameter, in.			
	Height, in.			
	Normal Stress, psf	920	1840	3680
	Yield Stress, psf	978	1600	2764
	Strain, %	2.3	3.0	3.4
	Ultimate Stress, psf	857	1463	2659
	Strain, %	4.9	9.9	4.9
	Strain rate, in./min.	0.02	0.02	0.02

Sample Type: Remolded
Description:

Specific Gravity=
Remarks:

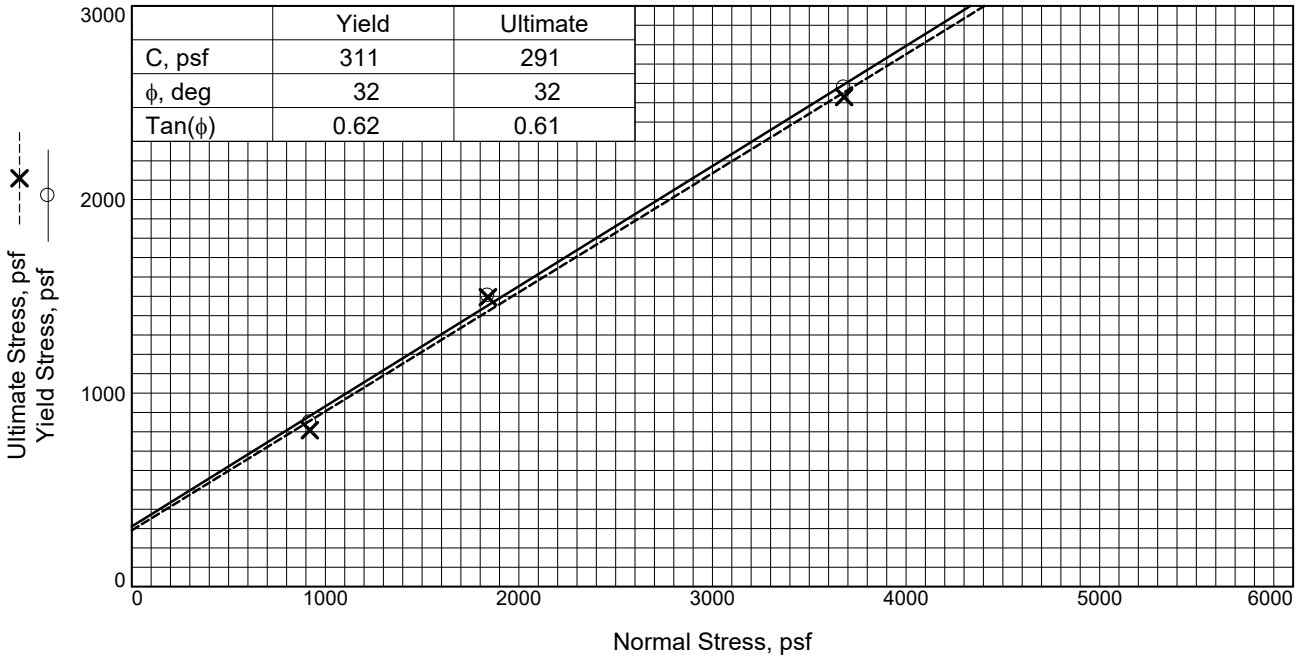
Figure _____

Client: LAUSD

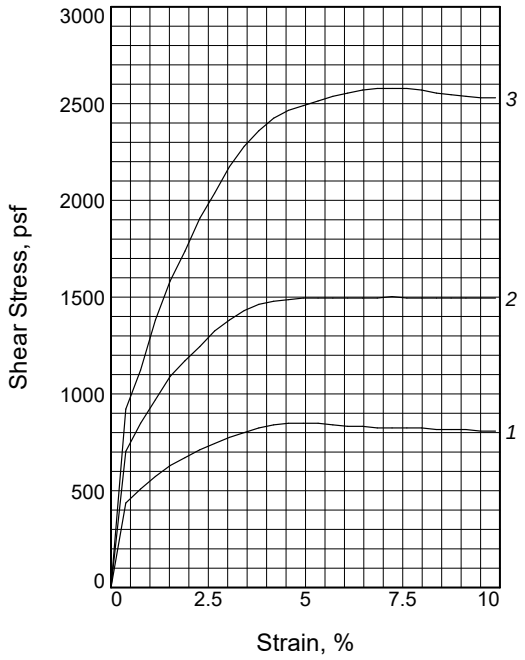
Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills
Sample Number: B-1 @ 3'

Proj. No.: 2880-63-0-100 **Date Sampled:**

DIRECT SHEAR TEST REPORT
Gorian & Associates
Thousand Oaks, CA



	Yield	Ultimate
C, psf	311	291
ϕ, deg	32	32
Tan(ϕ)	0.62	0.61



	Sample No.	1	2	3
Initial	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf	N/A	N/A	N/A
	Saturation, %	N/A	N/A	N/A
	Void Ratio	N/A	N/A	N/A
	Diameter, in.	2.63	2.63	2.63
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf			
	Saturation, %			
	Void Ratio			
	Diameter, in.			
	Height, in.			
	Normal Stress, psf	920	1840	3680
	Yield Stress, psf	849	1503	2578
	Strain, %	5.3	7.2	7.6
	Ultimate Stress, psf	808	1495	2530
	Strain, %	9.9	9.9	9.9
	Strain rate, in./min.	0.02	0.02	0.02

Sample Type: Remolded
Description:

Specific Gravity=
Remarks:

Figure _____

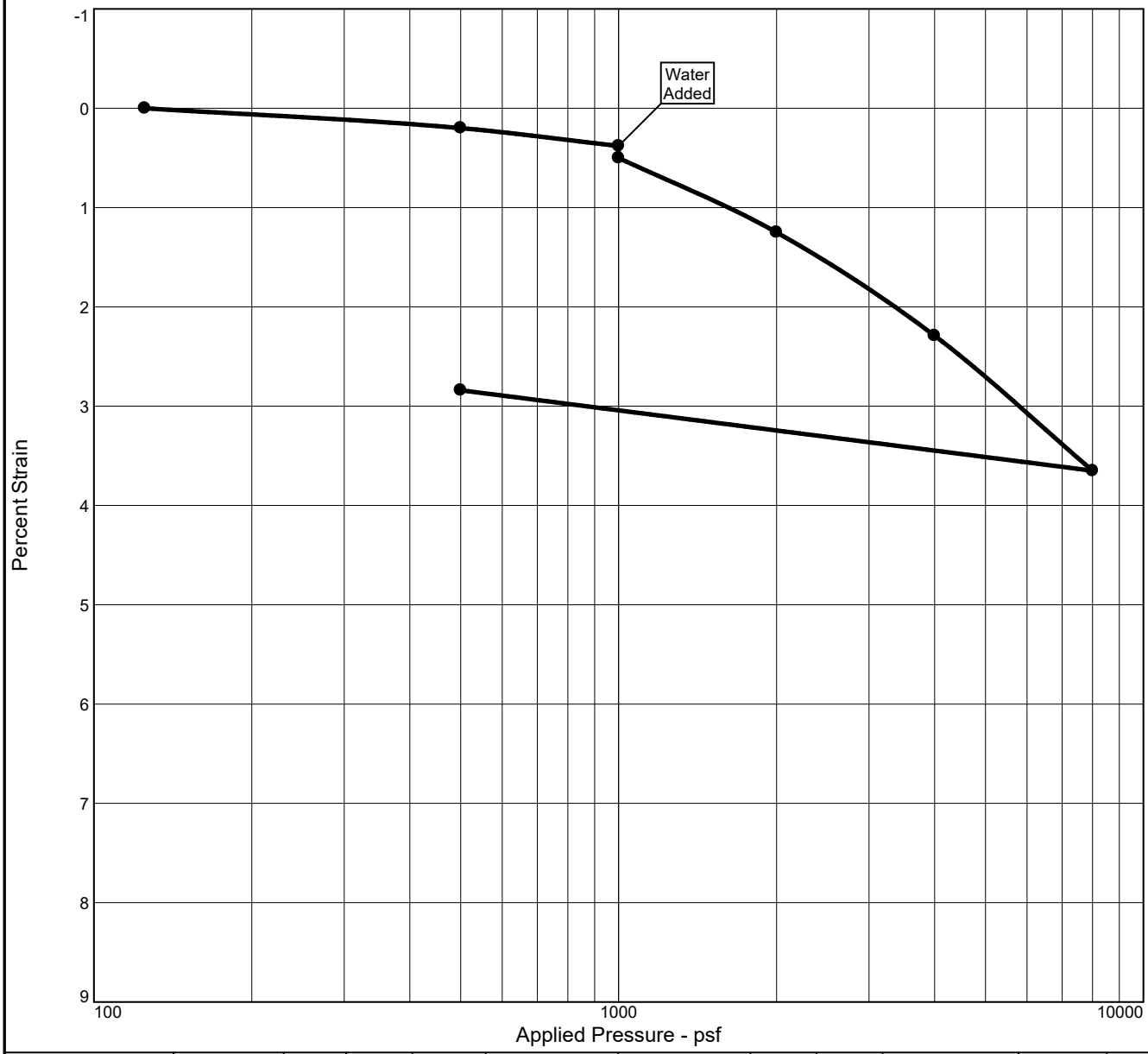
Client: LAUSD

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills
Sample Number: B-10 @ 3'

Proj. No.: 2880-63-0-100 **Date Sampled:**

DIRECT SHEAR TEST REPORT
Gorian & Associates
Thousand Oaks, CA

CONSOLIDATION TEST REPORT



Natural Sat.	Natural Moist.	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (psf)	P_c (psf)	C_c	C_r	Swell Press. (psf)	Clpse. %	e_o
							2603				0.1	

MATERIAL DESCRIPTION	USCS	AASHTO

Project No. 2880-63-0- **Client:** LAUSD

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Sample Number: B-1 @ 7'

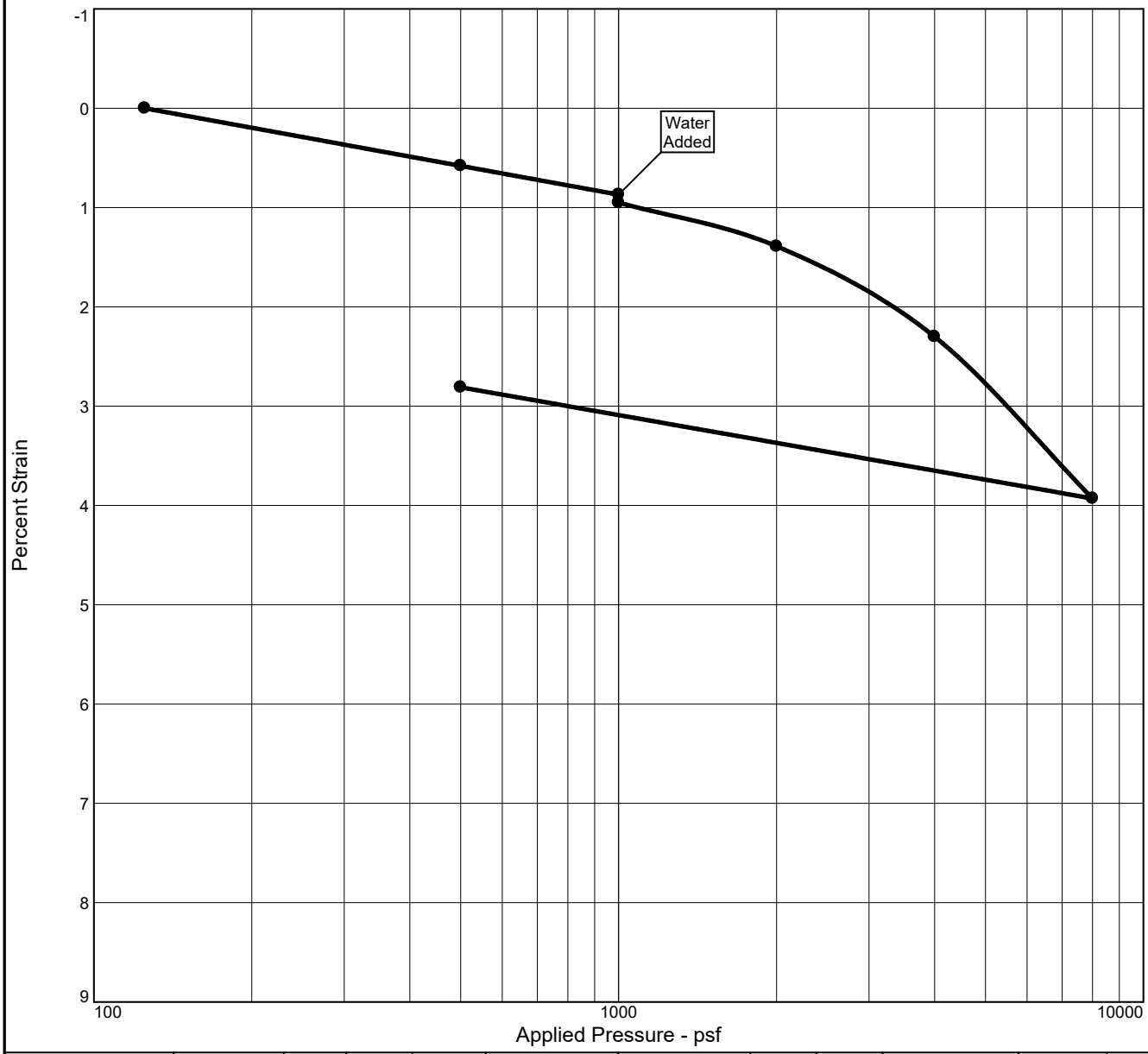
Remarks:

Gorian & Associates

Thousand Oaks, CA

Figure

CONSOLIDATION TEST REPORT



Natural Sat.	Natural Moist.	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (psf)	P_c (psf)	C_c	C_r	Swell Press. (psf)	Clpse. %	e_o
							3210				0.1	

MATERIAL DESCRIPTION	USCS	AASHTO

Project No. 2880-63-0- **Client:** LAUSD

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Sample Number: B-2 @ 10'

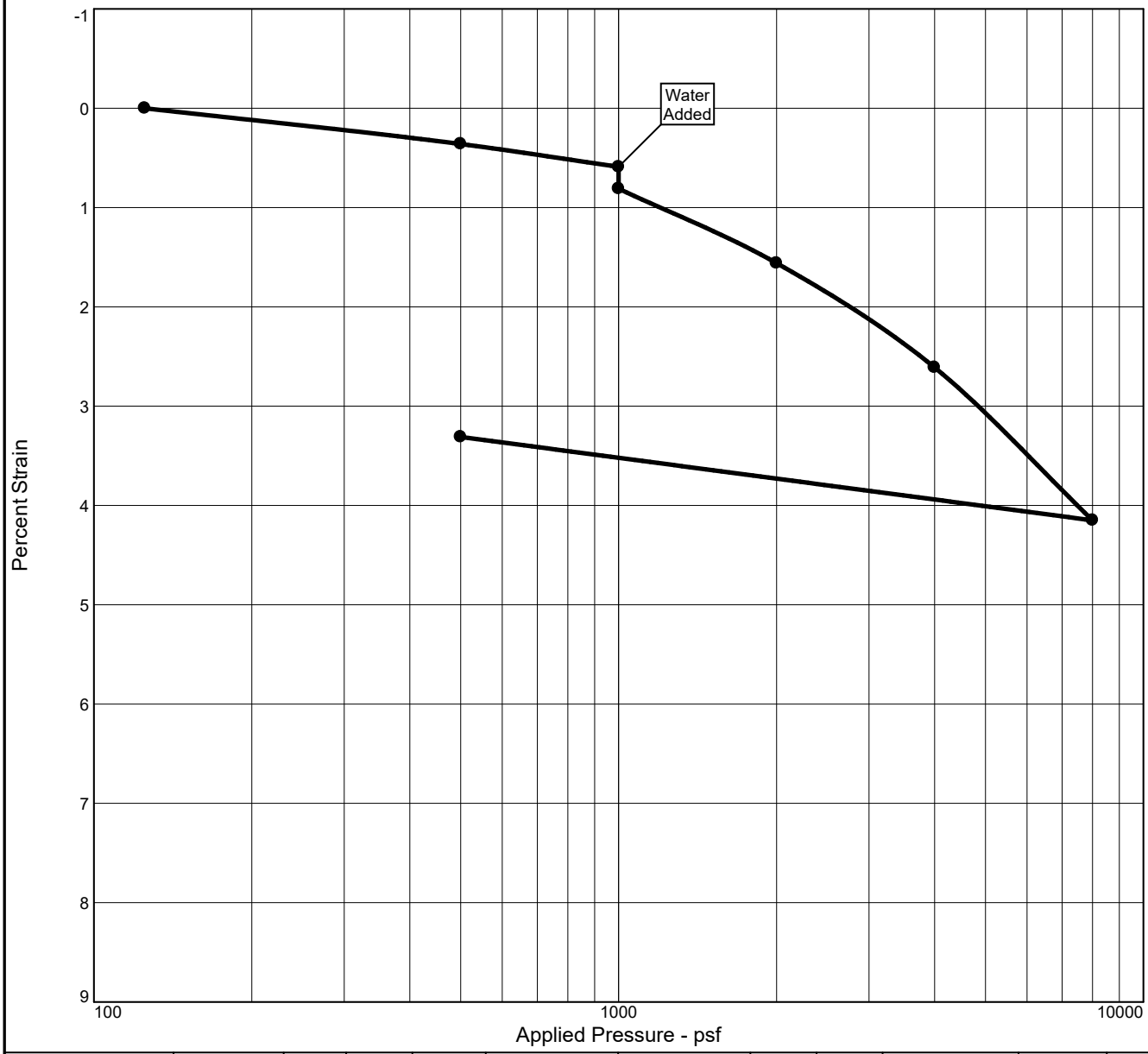
Remarks:

Gorian & Associates

Thousand Oaks, CA

Figure

CONSOLIDATION TEST REPORT



Natural Sat.	Natural Moist.	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (psf)	P_c (psf)	C_c	C_r	Swell Press. (psf)	Clpse. %	e_o
							3514				0.2	

MATERIAL DESCRIPTION	USCS	AASHTO

Project No. 2880-63-0- **Client:** LAUSD

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Sample Number: B-3 @ 10'

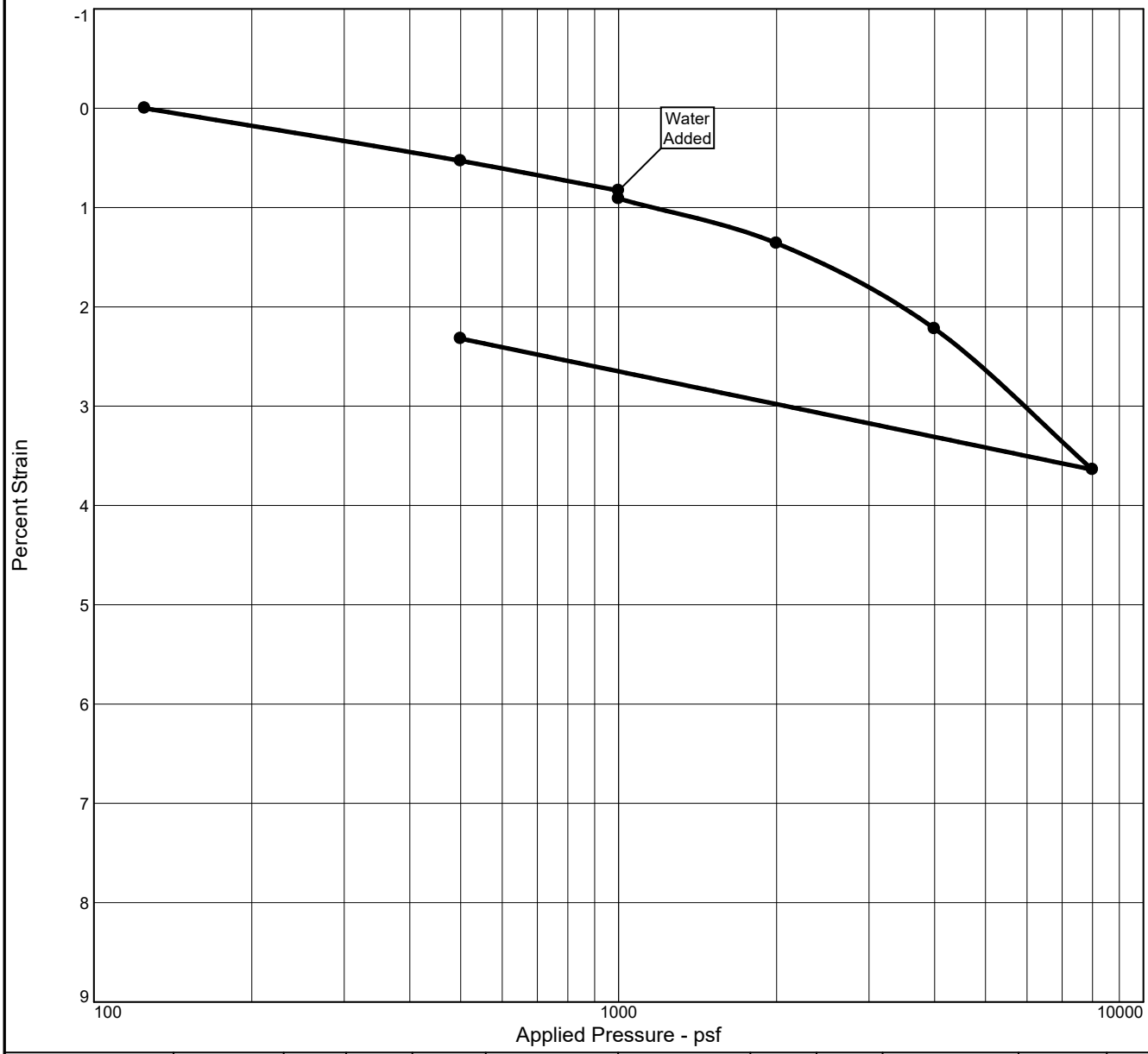
Remarks:

Gorian & Associates

Thousand Oaks, CA

Figure

CONSOLIDATION TEST REPORT



Natural Sat.	Natural Moist.	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (psf)	P_c (psf)	C_c	C_r	Swell Press. (psf)	Clpse. %	e_o
							2956				0.1	

MATERIAL DESCRIPTION	USCS	AASHTO

Project No. 2880-63-0- **Client:** LAUSD

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Sample Number: B-4 @ 15'

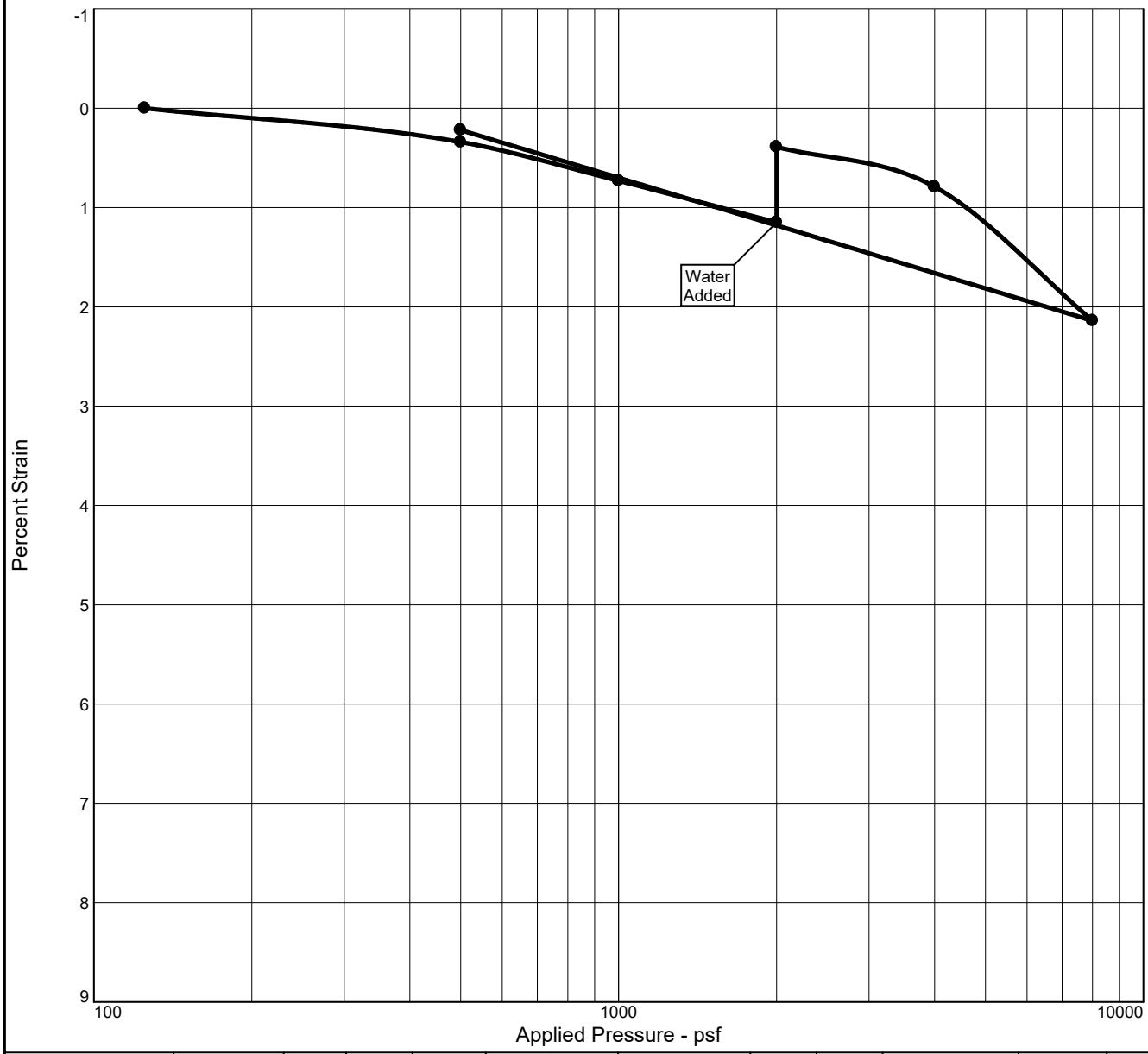
Remarks:

Gorian & Associates

Thousand Oaks, CA

Figure

CONSOLIDATION TEST REPORT



Natural Sat.	Natural Moist.	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (psf)	P_c (psf)	C_c	C_r	Swell Press. (psf)	Swell %	e_o
							3886			4989	0.8	

MATERIAL DESCRIPTION	USCS	AASHTO

Project No. 2880-63-0- **Client:** LAUSD

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Sample Number: B-5 @ 25'

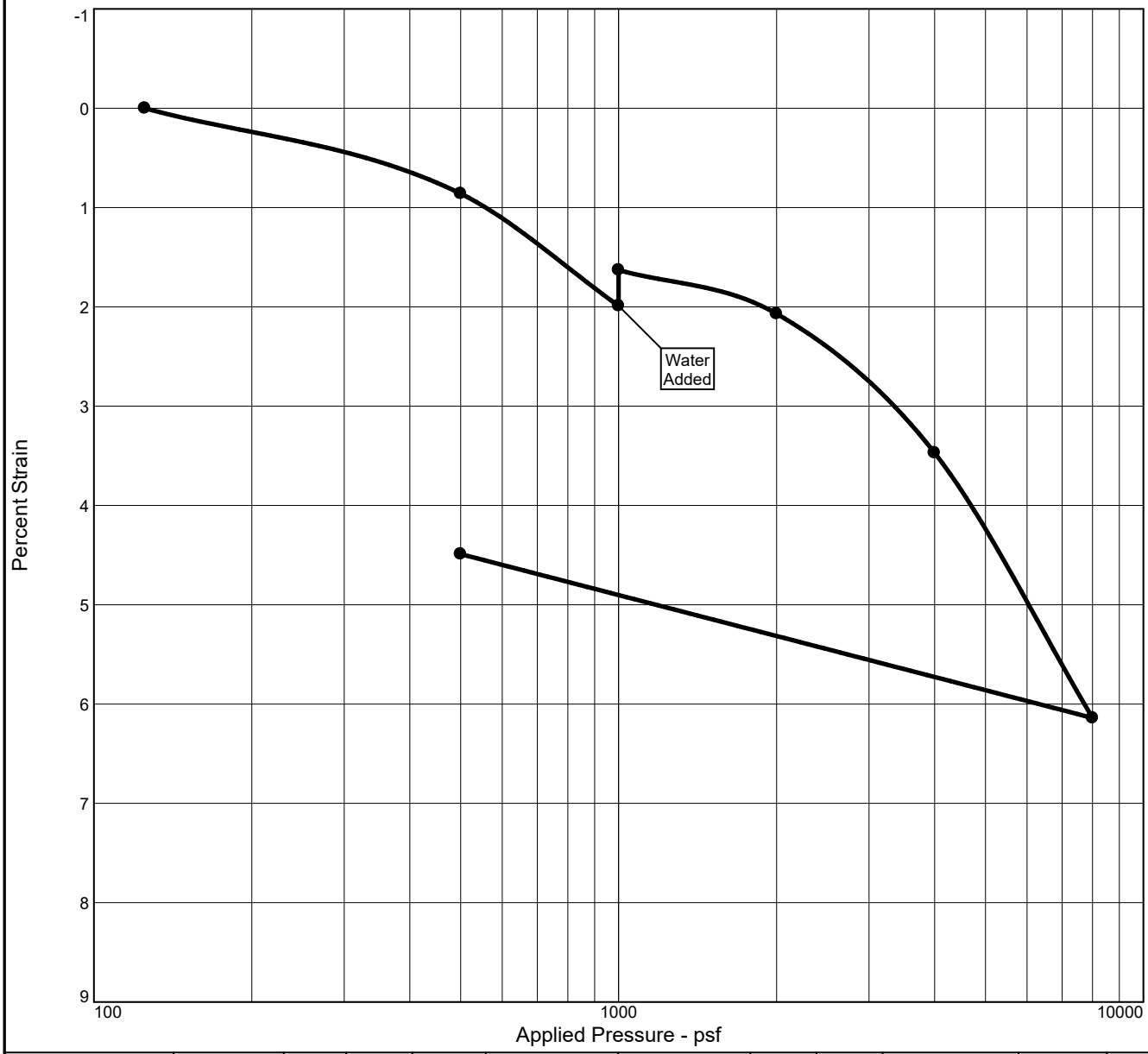
Remarks:

Gorian & Associates

Thousand Oaks, CA

Figure

CONSOLIDATION TEST REPORT



Natural Sat.	Natural Moist.	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (psf)	P_c (psf)	C_c	C_r	Swell Press. (psf)	Swell %	e_o
							3059			1871	0.4	

MATERIAL DESCRIPTION	USCS	AASHTO

Project No. 2880-63-0- **Client:** LAUSD

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Sample Number: B-8 @ 7'

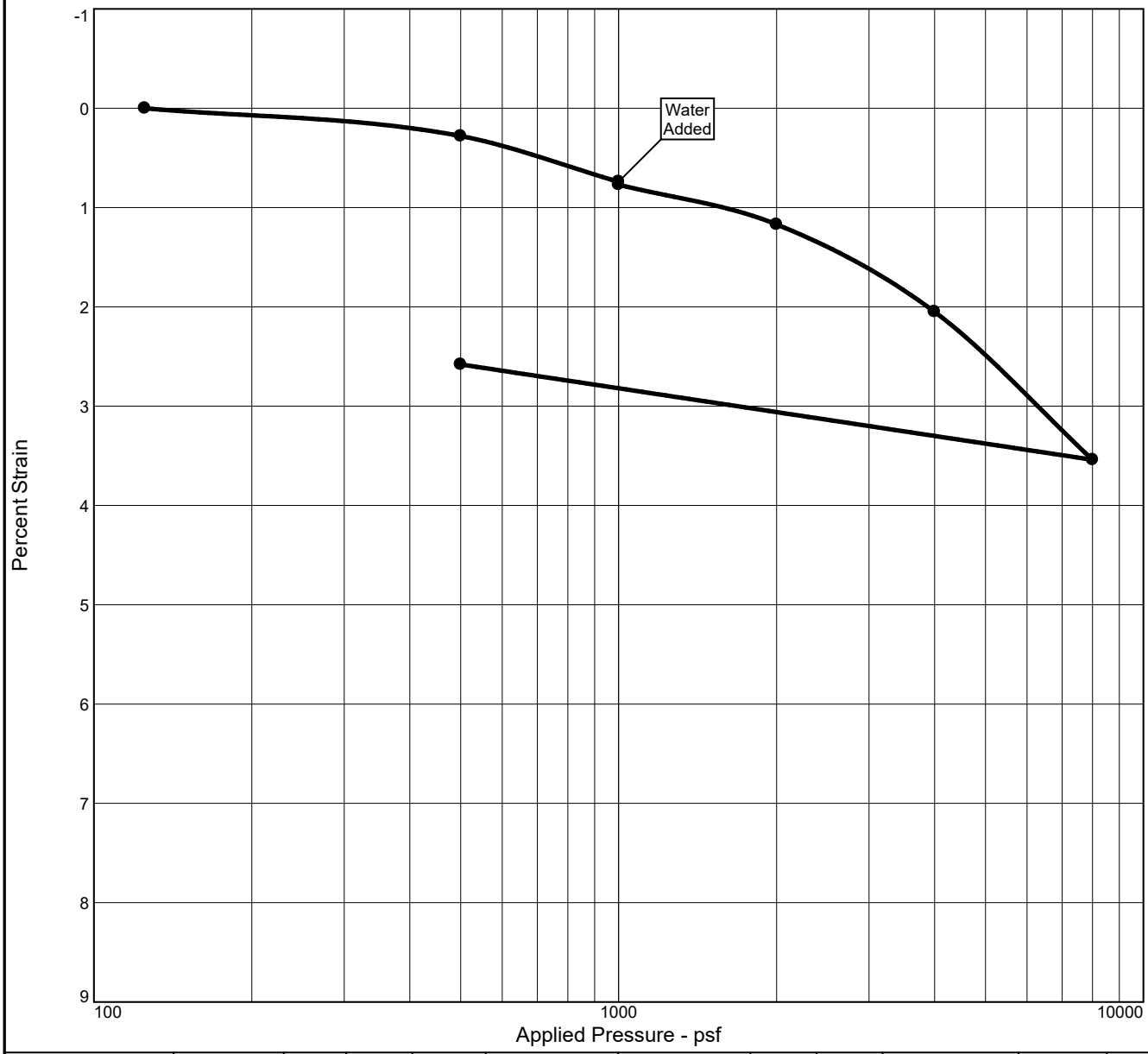
Remarks:

Gorian & Associates

Thousand Oaks, CA

Figure

CONSOLIDATION TEST REPORT



Natural Sat.	Natural Moist.	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (psf)	P_c (psf)	C_c	C_r	Swell Press. (psf)	Clpse. %	e_o
							2946				0.0	

MATERIAL DESCRIPTION	USCS	AASHTO

Project No. 2880-63-0- **Client:** LAUSD

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Sample Number: B-8 @ 18'

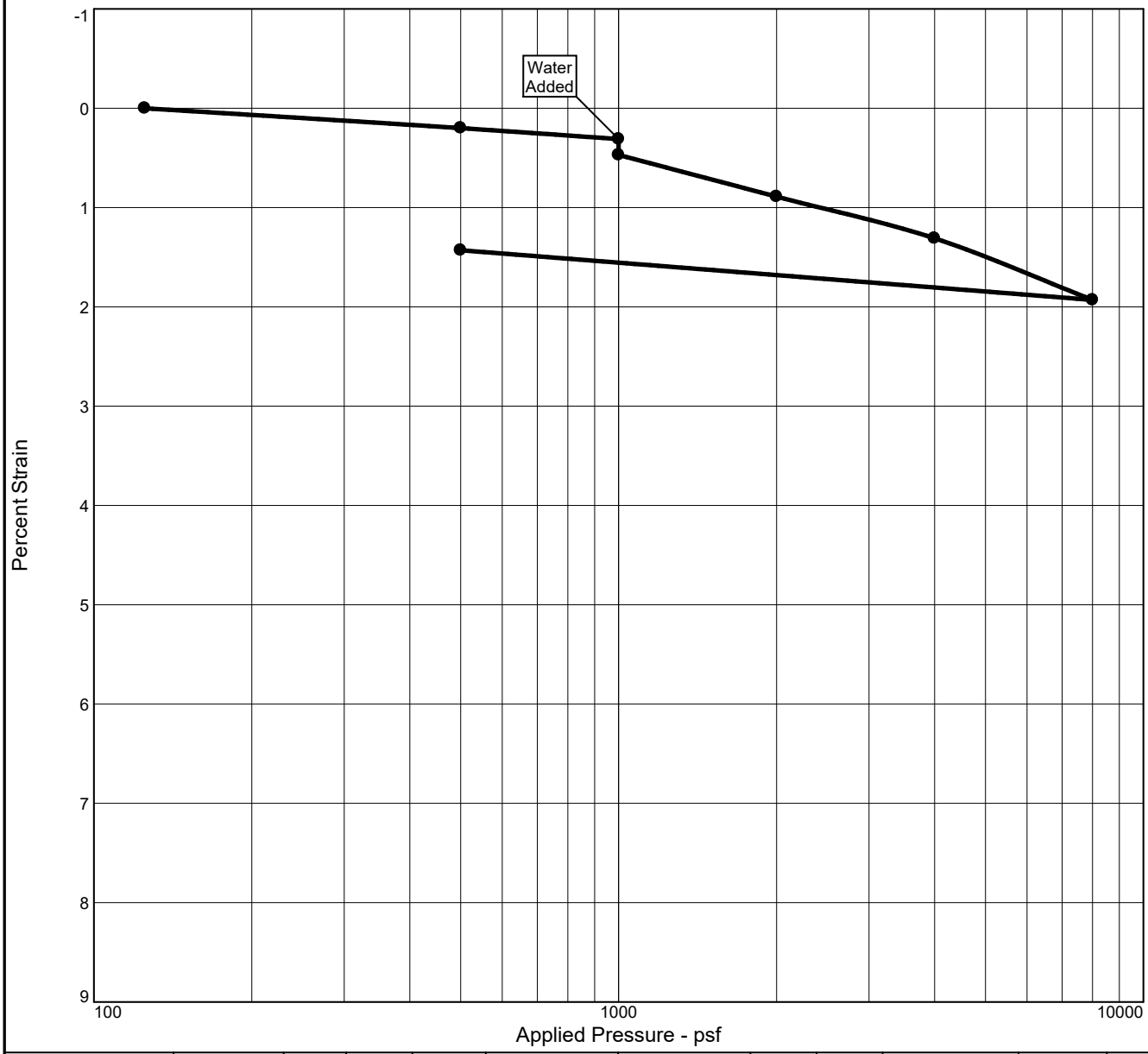
Remarks:

Gorian & Associates

Thousand Oaks, CA

Figure

CONSOLIDATION TEST REPORT



Natural Sat.	Natural Moist.	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (psf)	P_c (psf)	C_c	C_r	Swell Press. (psf)	Clpse. %	e_o
							4130				0.2	

MATERIAL DESCRIPTION	USCS	AASHTO

Project No. 2880-63-0- **Client:** LAUSD

Project: LAUSD - J. F. Kennedy High School
11254 Gothic Ave, Granada Hills

Sample Number: B-9 @ 15'

Remarks:

Gorian & Associates

Thousand Oaks, CA

Figure

NV5 WEST, INC.
1868 Palma Drive, Suite A, Ventura, California 93003
Telephone: (805) 656-6074; Fax: (805) 650-6264

April 27, 2017

NV5 JOB No: **10-000938**
LAB No: 86276

Gorian & Associates, Inc.
3595 Old Conejo Rd.
Thousand Oaks, CA 91360

Attention: Paul Wasserman

Project: Gorian & Associates, Inc. - Kennedy High School

The results of the requested laboratory tests are attached for your use.

This report includes the following test reports:

Test Description	Test Method	# of Tests
Resistance 'R' Value	ASTM D2844	1

NV5 WEST appreciates the opportunity to be of service. Please contact our office if you have any questions regarding this report.

Respectfully submitted,
NV5 WEST

Shaun Simon
Engineering Manager

Copies: 1-Gorian & Asso./Paul Wasserman
1-File

NV5 WEST, INC.
1868 Palma Drive, Suite A, Ventura, CA 93003
Telephone (805) 656-6074; Fax (805)650-6264

RESISTANCE "R" VALUE TEST

(ASTM D2844/CTM301)

April 27, 2017

File No: -
DSA/OSHPD No: -

Gorian & Associates, Inc.
3595 Old Conejo Rd.
Thousand Oaks, CA 91360

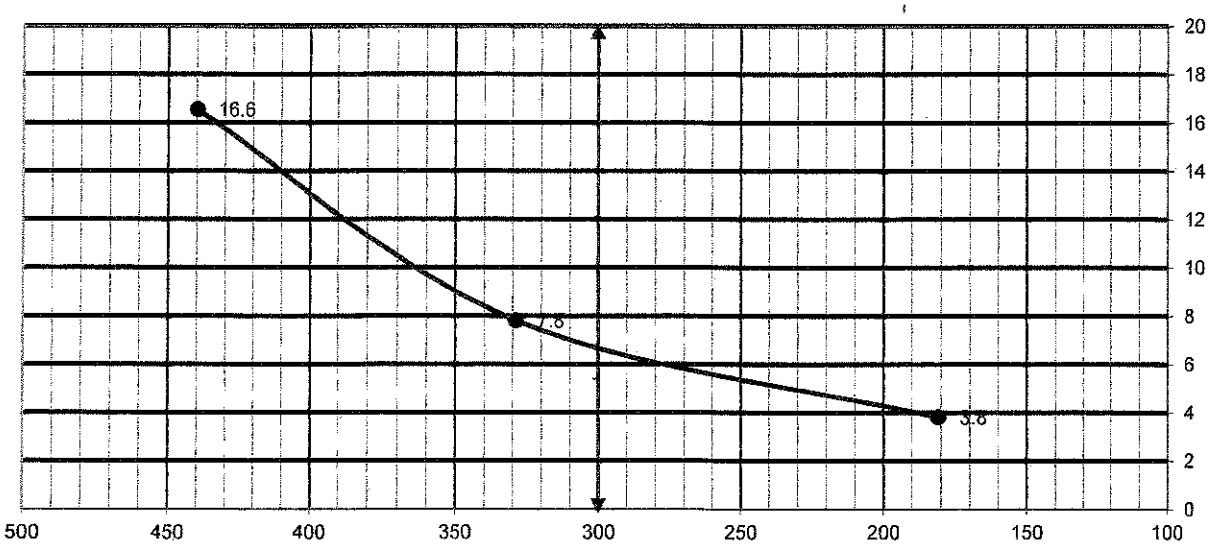
NV5 JOB No: **10-000938**
LAB No: 86276
W.O. No: -
Bldg. Permit No: -
Govt. Contract No: -

Project: Gorian & Associates, Inc. - Kennedy High School

Material: Soil
Location: Combined from Borings 2-6.0', B8 0-1.0' and B4 at 3.0'
Sampled By: Client
Date Received: 4/19/17

Depth: N/A

"R" VALUE BY EXUDATION GRAPH



TEST SPECIMEN	A	B	C	D
COMP. FOOT PRESSURE, psi	80	120	200	
INITIAL MOISTURE %	9.7	9.7	9.7	
MOISTURE @ COMPACTION %	17.9	16.1	14.3	
DRY DENSITY, pcf	112.3	118.9	120.1	
EXUDATION PRESSURE, psi	181	329	440	
STABILOMETER VALUE 'R'	4	8	17	
			R-Value @ Equilibrium =	**7**

Reviewed By: _____

Atlantic Consultants

112 Bunker Court
Folsom, CA 95630
(ph) 916.849.6420 (fax) 916.983.1838
Kerri@AtlanticCorrosionEngineers.com
corrprincess@ardennet.com
www.AtlanticCorrosionEngineers.com

May 8, 2017

Gorian and Associates, Inc.
Attention: Sheryl N. Shatz
3595 Old Conejo Road
Thousand Oaks, CA 91320

Atlantic Job No.: 2017-017

Subject: Soil Chemistry Analysis for Gorian Job # 2880-63-0-100
1 Sample: LAUSD – Kennedy High School (B-4 @ 3')

Sample Number	As Rec'd Resistivity (ohm-cm)	[1]Minimum Resistivity (ohm-cm)	[2] Ph	[3] Sulfate %	[3] Chloride %	[4] Ammonia %	[5] Keldahl Nitrogen %	(As Rec'd) Description
B-4	5,200	1,520	7.77	0.0047	<0.0005	<0.0001	0.0146	Medium Brn., moist

<NOTE: SAMPLES WERE ANALYZED IN ACCORDANCE WITH THE FOLLOWING METHODS.

1. MINIMUM RESISTIVITY DETERMINED BY SOIL BOX METHOD, (PER ASTM 187)
2. PH MEASURED BY POTENTIOMETRIC METHOD USING STANDARD ELECTRODES. (PER CAL TRANS. #643)
3. CHLORIDE AND SULFATE WERE ANALYZED IN ACCORDANCE WITH EPA METHODS FOR CHEMICAL ANALYSIS FOR WATER AND WASTE, NO. 300 EPA-600/4-79-020. CONCENTRATION BY WEIGHT OF DRY SOIL.
4. AMMONIA WAS ANALYZED IN ACCORDANCE WITH EPA METHOD 350.2
5. KELDAHL NITROGEN WAS ANALYZED IN ACCORDANCE WITH EPA METHOD 351.2

CONCLUSIONS:

Material	**Corrosion Class**	**Recommendation**
Concrete	Negligible for sulfate and chloride exposure. pH is neutral to slightly basic.. (ACI 318)	-Type II Portland cement for concrete with maximum water cement ratio of 0.50 and a minimum of 3 inches of cover for steel reinforcement. - It is recommended that an impermeable moisture barrier (minimum 6 mil visqueen) be installed between concrete slabs and soil to reduce penetration of moisture from the soil into concrete slabs.
Steel Cast/Ductile Iron Mortar Coated Steel	Moderately Corrosive	- Install corrosion monitoring and cathodic protection for buried metal structures and piping. - Install joint bonds on all non-welded joints for buried ferrous metal piping to facilitate proper operation of corrosion monitoring and cathodic protection systems. - Electrically isolate underground metal piping from above grade piping and other metallic structures. - Use separate ground rods for grounding interior piping.
Copper Piping	Corrosive.	- Overhead plumbing is the most effective method of corrosion control. - Copper pipe is subject to corrosion when exposed to even trace amounts of ammonia and nitrogen. - Electrical isolation between hot and cold water lines and between structural steel should be maintained.

Atlantic Consultants

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Kerri@AtlanticCorrosionEngineers.com
corrprincess@ardennet.com
www.AtlanticCorrosionEngineers.com

The test results and analysis are based on the sample provided, which may not be representative of overall site conditions. Additional sampling may be required to more fully characterize soil conditions.

Sincerely,

Kerri M. Howell, PE
President

Atlantic Consultants

112 Bunker Court
Folsom, CA 95630
(ph) 916.849.6420 (fax) 916.983.1838
Kerri@AtlanticCorrosionEngineers.com
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www.AtlanticCorrosionEngineers.com

May 8, 2017

Gorian and Associates, Inc.
Attention: Sheryl N. Shatz
3595 Old Conejo Road
Thousand Oaks, CA 91320

Atlantic Job No.: 2017-016

Subject: Soil Chemistry Analysis for Gorian Job # 2880-63-0-100
1 Sample: LAUSD – Kennedy High School (B-8 @ 0-1')

Sample Number	As Rec'd Resistivity (ohm-cm)	[1]Minimum Resistivity (ohm-cm)	[2] Ph	[3] Sulfate %	[3] Chloride %	[4] Ammonia %	[5] Keldahl Nitrogen %	(As Rec'd) Description
B-8	1,840	1,120	7.28	<0.0005	<0.0005	<0.0001	0.0480	Med. Brn, moist –heavy clay

<NOTE: SAMPLES WERE ANALYZED IN ACCORDANCE WITH THE FOLLOWING METHODS.

1. MINIMUM RESISTIVITY DETERMINED BY SOIL BOX METHOD, (PER ASTM 187)
2. PH MEASURED BY POTENTIOMETRIC METHOD USING STANDARD ELECTRODES. (PER CAL TRANS. #643)
3. CHLORIDE AND SULFATE WERE ANALYZED IN ACCORDANCE WITH EPA METHODS FOR CHEMICAL ANALYSIS FOR WATER AND WASTE, NO. 300 EPA-600/4-79-020. CONCENTRATION BY WEIGHT OF DRY SOIL.
4. AMMONIA WAS ANALYZED IN ACCORDANCE WITH EPA METHOD 350.2
5. KELDAHL NITROGEN WAS ANALYZED IN ACCORDANCE WITH EPA METHOD 351.2

CONCLUSIONS:

Material	**Corrosion Class**	**Recommendation**
Concrete	Negligible for sulfate and chloride exposure. pH is neutral to slightly basic.. (ACI 318)	-Type II Portland cement for concrete with maximum water cement ratio of 0.50 and a minimum of 3 inches of cover for steel reinforcement. - It is recommended that an impermeable moisture barrier (minimum 6 mil visqueen) be installed between concrete slabs and soil to reduce penetration of moisture from the soil into concrete slabs.
Steel Cast/Ductile Iron Mortar Coated Steel	Moderately Corrosive	- Install corrosion monitoring and cathodic protection for buried metal structures and piping. - Install joint bonds on all non-welded joints for buried ferrous metal piping to facilitate proper operation of corrosion monitoring and cathodic protection systems. - Electrically isolate underground metal piping from above grade piping and other metallic structures. - Use separate ground rods for grounding interior piping.
Copper Piping	Corrosive.	- Overhead plumbing is the most effective method of corrosion control. - Copper pipe is subject to corrosion when exposed to even trace amounts of ammonia and nitrogen. - Electrical isolation between hot and cold water lines and between structural steel should be maintained.

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corrprincess@ardennet.com
www.AtlanticCorrosionEngineers.com

The test results and analysis are based on the sample provided, which may not be representative of overall site conditions. Additional sampling may be required to more fully characterize soil conditions.

Sincerely,

Kerri M. Howell, PE
President

APPENDIX C

SEISMICALLY INDUCED SETTLEMENT ANALYSES

USGS Design Maps Detailed Report

ASCE 7-10 Standard (34.27584°N, 118.48762°W)

Site Class D - "Stiff Soil", Risk Category I/II/III

Section 11.4.1 — Mapped Acceleration Parameters

Note: Ground motion values provided below are for the direction of maximum horizontal spectral response acceleration. They have been converted from corresponding geometric mean ground motions computed by the USGS by applying factors of 1.1 (to obtain S_S) and 1.3 (to obtain S_1). Maps in the 2010 ASCE-7 Standard are provided for Site Class B. Adjustments for other Site Classes are made, as needed, in Section 11.4.3.

From Figure 22-1 [1] $S_S = 2.346$ g

From Figure 22-2 [2] $S_1 = 0.891$ g

Section 11.4.2 — Site Class

The authority having jurisdiction (not the USGS), site-specific geotechnical data, and/or the default has classified the site as Site Class D, based on the site soil properties in accordance with Chapter 20.

Table 20.3–1 Site Classification

Site Class	$\bar{v}_s$	$\bar{N}$ or $\bar{N}_{ch}$	$\bar{s}_u$
A. Hard Rock	>5,000 ft/s	N/A	N/A
B. Rock	2,500 to 5,000 ft/s	N/A	N/A
C. Very dense soil and soft rock	1,200 to 2,500 ft/s	>50	>2,000 psf
D. Stiff Soil	600 to 1,200 ft/s	15 to 50	1,000 to 2,000 psf
E. Soft clay soil	<600 ft/s	<15	<1,000 psf
	Any profile with more than 10 ft of soil having the characteristics: • Plasticity index $PI > 20$, • Moisture content $w \geq 40\%$, and • Undrained shear strength $\bar{s}_u < 500$ psf		
F. Soils requiring site response analysis in accordance with Section 21.1	See Section 20.3.1		

For SI: 1ft/s = 0.3048 m/s 1lb/ft² = 0.0479 kN/m²

Section 11.4.3 — Site Coefficients and Risk-Targeted Maximum Considered Earthquake (MCE_R) Spectral Response Acceleration Parameters

Table 11.4-1: Site Coefficient F_a

Site Class	Mapped MCE_R Spectral Response Acceleration Parameter at Short Period				
	$S_S \leq 0.25$	$S_S = 0.50$	$S_S = 0.75$	$S_S = 1.00$	$S_S \geq 1.25$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.2	1.2	1.1	1.0	1.0
D	1.6	1.4	1.2	1.1	1.0
E	2.5	1.7	1.2	0.9	0.9
F	See Section 11.4.7 of ASCE 7				

Note: Use straight-line interpolation for intermediate values of S_S

For Site Class = D and S_S = 2.346 g, F_a = 1.000

Table 11.4-2: Site Coefficient F_v

Site Class	Mapped MCE_R Spectral Response Acceleration Parameter at 1-s Period				
	$S_1 \leq 0.10$	$S_1 = 0.20$	$S_1 = 0.30$	$S_1 = 0.40$	$S_1 \geq 0.50$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.7	1.6	1.5	1.4	1.3
D	2.4	2.0	1.8	1.6	1.5
E	3.5	3.2	2.8	2.4	2.4
F	See Section 11.4.7 of ASCE 7				

Note: Use straight-line interpolation for intermediate values of S_1

For Site Class = D and S_1 = 0.891 g, F_v = 1.500

Equation (11.4–1): $S_{MS} = F_a S_S = 1.000 \times 2.346 = 2.346$ g

---

Equation (11.4–2): $S_{M1} = F_v S_1 = 1.500 \times 0.891 = 1.336$ g

---

Section 11.4.4 — Design Spectral Acceleration Parameters

Equation (11.4–3): $S_{DS} = \frac{2}{3} S_{MS} = \frac{2}{3} \times 2.346 = 1.564$ g

---

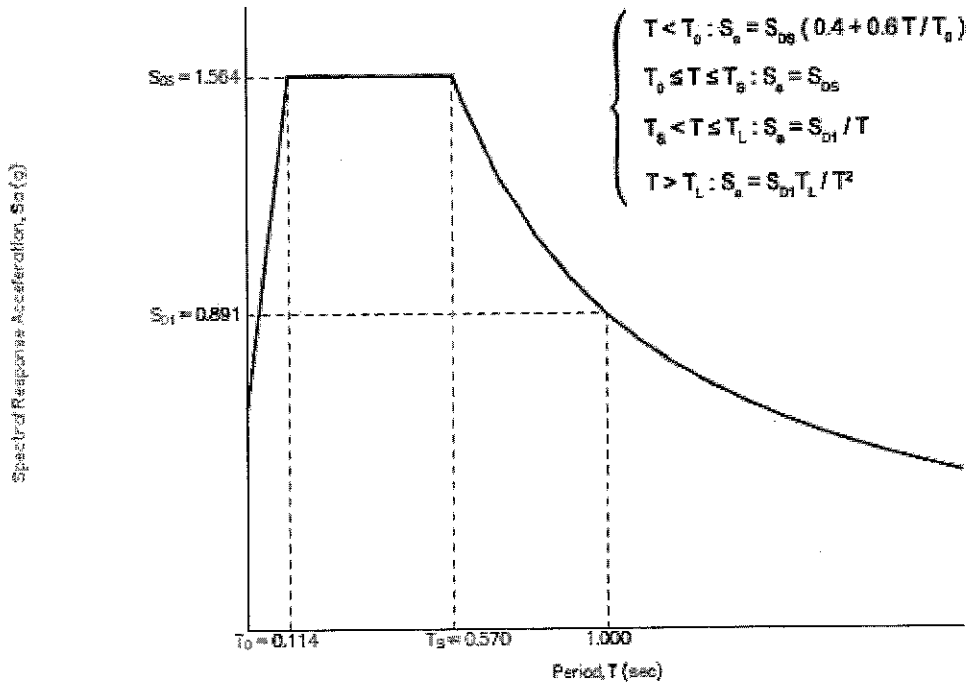
Equation (11.4–4): $S_{D1} = \frac{2}{3} S_{M1} = \frac{2}{3} \times 1.336 = 0.891$ g

---

Section 11.4.5 — Design Response Spectrum

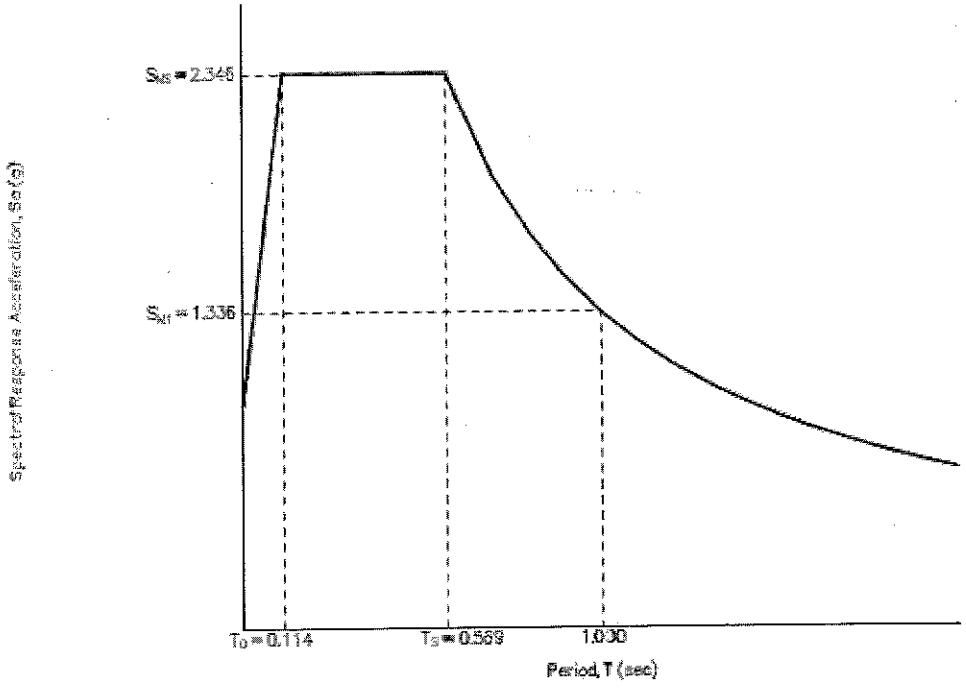
From Figure 22-12 [3] $T_L = 8$ seconds

Figure 11.4–1: Design Response Spectrum



Section 11.4.6 — Risk-Targeted Maximum Considered Earthquake (MCE_R) Response Spectrum

The MCE_R Response Spectrum is determined by multiplying the design response spectrum above by 1.5.



Section 11.8.3 — Additional Geotechnical Investigation Report Requirements for Seismic Design Categories D through F

From Figure 22-7 [4] PGA = 0.880

Equation (11.8–1): $PGA_M = F_{PGA}PGA = 1.000 \times 0.880 = 0.88$ g

Table 11.8–1: Site Coefficient F_{PGA}

Site Class	Mapped MCE Geometric Mean Peak Ground Acceleration, PGA				
	PGA ≤ 0.10	PGA = 0.20	PGA = 0.30	PGA = 0.40	PGA ≥ 0.50
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.2	1.2	1.1	1.0	1.0
D	1.6	1.4	1.2	1.1	1.0
E	2.5	1.7	1.2	0.9	0.9
F	See Section 11.4.7 of ASCE 7				

Note: Use straight–line interpolation for intermediate values of PGA

For Site Class = D and PGA = 0.880 g, F_{PGA} = 1.000

Section 21.2.1.1 — Method 1 (from Chapter 21 – Site-Specific Ground Motion Procedures for Seismic Design)

From Figure 22-17 [5] C_{RS} = 0.970

From Figure 22-18 [6] C_{R1} = 0.974

Section 11.6 — Seismic Design Category

Table 11.6-1 Seismic Design Category Based on Short Period Response Acceleration Parameter

VALUE OF S_{DS}	RISK CATEGORY		
	I or II	III	IV
$S_{DS} < 0.167g$	A	A	A
$0.167g \le S_{DS} < 0.33g$	B	B	C
$0.33g \le S_{DS} < 0.50g$	C	C	D
$0.50g \le S_{DS}$	D	D	D

For Risk Category = I and S_{DS} = 1.564 g, Seismic Design Category = D

Table 11.6-2 Seismic Design Category Based on 1-S Period Response Acceleration Parameter

VALUE OF S_{D1}	RISK CATEGORY		
	I or II	III	IV
$S_{D1} < 0.067g$	A	A	A
$0.067g \le S_{D1} < 0.133g$	B	B	C
$0.133g \le S_{D1} < 0.20g$	C	C	D
$0.20g \le S_{D1}$	D	D	D

For Risk Category = I and S_{D1} = 0.891 g, Seismic Design Category = D

Note: When S_1 is greater than or equal to 0.75g, the Seismic Design Category is **E** for buildings in Risk Categories I, II, and III, and **F** for those in Risk Category IV, irrespective of the above.

Seismic Design Category ≡ "the more severe design category in accordance with Table 11.6-1 or 11.6-2" = E

Note: See Section 11.6 for alternative approaches to calculating Seismic Design Category.

References

1. *Figure 22-1*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-1.pdf
2. *Figure 22-2*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-2.pdf
3. *Figure 22-12*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-12.pdf
4. *Figure 22-7*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-7.pdf
5. *Figure 22-17*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-17.pdf
6. *Figure 22-18*: https://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-18.pdf

USGS Design Maps Detailed Report

ASCE 41-13 Retrofit Standard, BSE-1E (34.27584°N, 118.48762°W)

Site Class D – "Stiff Soil"

Section 2.4.1 – General Procedure for Hazard Due to Ground Shaking

20%/50-year maximum direction spectral response acceleration for 0.2s and 1.0s periods, respectively:

From Section 2.4.1.4 $S_{S,20/50}$ = 0.989 g

From Section 2.4.1.4 $S_{1,20/50}$ = 0.354 g

Section 2.4.1.6 – Adjustment for Site Class

The authority having jurisdiction (not the USGS), site-specific geotechnical data, and/or the default has classified the site as Site Class D, based on the site soil properties in accordance with Section 2.4.1.6.1.

SITE CLASS	SOIL PROFILE NAME	Soil shear wave velocity, $\bar{v}_S$, (ft/s)	Standard penetration resistance, $\bar{N}$	Soil undrained shear strength, $\bar{s}_u$, (psf)
A	Hard rock	$\bar{v}_S > 5{,}000$	N/A	N/A
B	Rock	$2{,}500 < \bar{v}_S \leq 5{,}000$	N/A	N/A
C	Very dense soil and soft rock	$1{,}200 < \bar{v}_S \leq 2{,}500$	$\bar{N} > 50$	>2,000 psf
D	Stiff soil profile	$600 \leq \bar{v}_S < 1{,}200$	$15 \leq \bar{N} \leq 50$	1,000 to 2,000 psf
E	Stiff soil profile	$\bar{v}_S < 600$	$\bar{N} < 15$	<1,000 psf
E	—	Any profile with more than 10 ft of soil having the characteristics: 1. Plasticity index $PI > 20$, 2. Moisture content $w \geq 40\%$, and 3. Undrained shear strength $\bar{s}_u < 500$ psf		
F	—	Any profile containing soils having one or more of the following characteristics: 1. Soils vulnerable to potential failure or collapse under seismic loading such as liquefiable soils, quick and highly sensitive clays, collapsible weakly cemented soils. 2. Peats and/or highly organic clays ($H > 10$ feet of peat and/or highly organic clay where H = thickness of soil) 3. Very high plasticity clays ($H > 25$ feet with plasticity index $PI > 75$) 4. Very thick soft/medium stiff clays ($H > 120$ feet)		

For SI: 1ft/s = 0.3048 m/s 1lb/ft² = 0.0479 kN/m²

Table 2–3. Values of F_a as a Function of Site Class and Mapped Short-Period Spectral Response Acceleration S_s

Site Class	Mapped Spectral Acceleration at Short-Period S_s				
	$S_S \leq 0.25$	$S_S = 0.50$	$S_S = 0.75$	$S_S = 1.00$	$S_S \geq 1.25$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.2	1.2	1.1	1.0	1.0
D	1.6	1.4	1.2	1.1	1.0
E	2.5	1.7	1.2	0.9	0.9
F	Site-specific geotechnical and dynamic site response analyses shall be performed				

Note: Use straight–line interpolation for intermediate values of S_S

For Site Class = D and S_S = 0.989 g, F_a = 1.104

Table 2–4. Values of F_v as a Function of Site Class and Mapped Spectral Response Acceleration at 1 s Period S_1

Site Class	Mapped Spectral Acceleration at 1 s Period S_1				
	$S_1 \leq 0.10$	$S_1 = 0.20$	$S_1 = 0.30$	$S_1 = 0.40$	$S_1 \geq 0.50$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.7	1.6	1.5	1.4	1.3
D	2.4	2.0	1.8	1.6	1.5
E	3.5	3.2	2.8	2.4	2.4
F	Site-specific geotechnical and dynamic site response analyses shall be performed				

Note: Use straight–line interpolation for intermediate values of S_1

For Site Class = D and S_1 = 0.354 g, F_v = 1.691

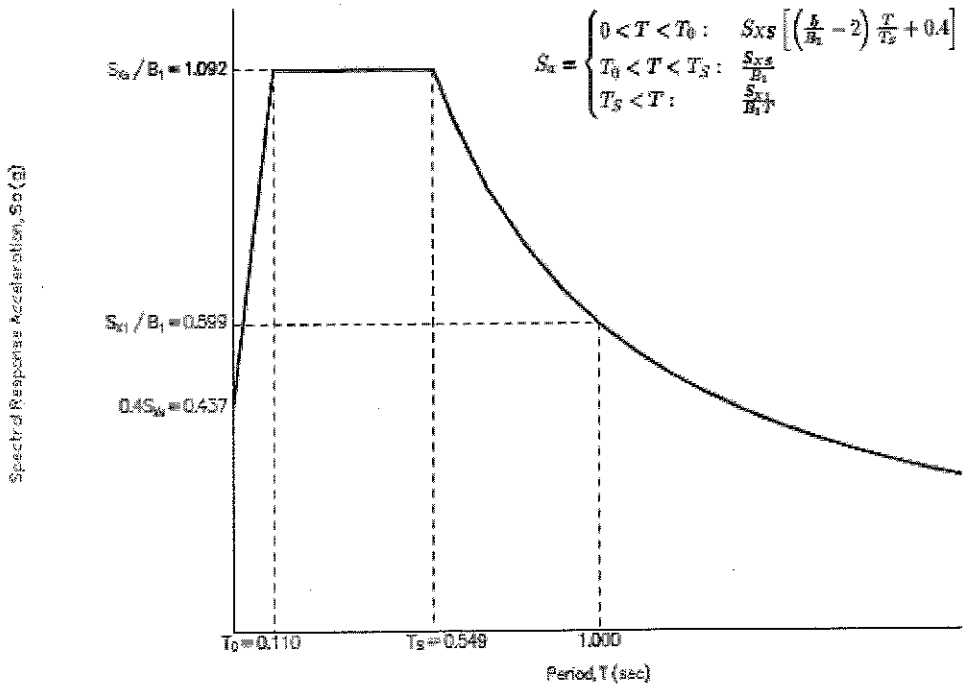
Provided as a reference for Equation (2-4):	$F_aS_{S,20/50}$ = 1.104 x 0.989 g = 1.092 g
Provided as a reference for Equation (2-5):	$F_vS_{1,20/50}$ = 1.691 x 0.354 g = 0.599 g
Provided as a reference for Equation (2-4):	$S_{XS,BSE\text{-}1N}$ = ⅔ x $S_{XS,BSE\text{-}2N}$ = ⅔ x $F_aS_{S,BSE\text{-}2N}$ = 1.564 g
Provided as a reference for Equation (2-5):	$S_{X1,BSE\text{-}1N}$ = ⅔ x $S_{X1,BSE\text{-}2N}$ = ⅔ x $F_vS_{1,BSE\text{-}2N}$ = 0.891 g

Equation (2–4): $S_{XS,BSE\text{-}1E}$ = MIN[$F_aS_{S,20/50}$, $S_{XS,BSE\text{-}1N}$] = MIN[1.092g, 1.564g] = 1.092g

Equation (2–5): $S_{X1,BSE\text{-}1E}$ = MIN[$F_vS_{S,20/50}$, $S_{X1,BSE\text{-}1N}$] = MIN[0.599g, 0.891g] = 0.599g

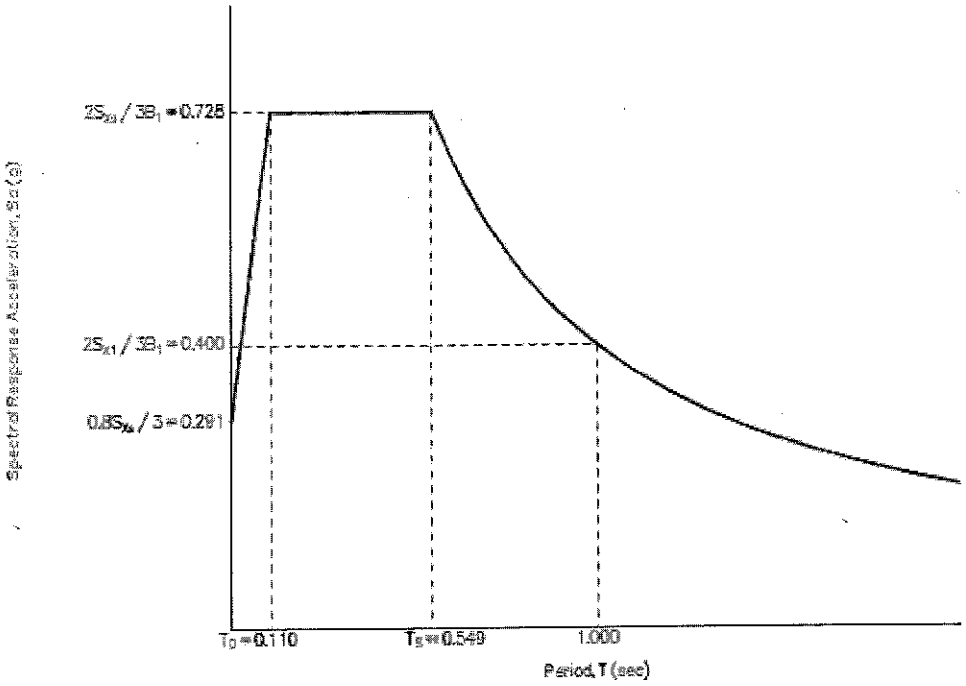
Section 2.4.1.7.1 — General Horizontal Response Spectrum

Figure 2-1. General Horizontal Response Spectrum



Section 2.4.1.7.2 — General Vertical Response Spectrum

The General Vertical Response Spectrum is determined by multiplying the General Horizontal Response Spectrum by ⅔.



U.S. Geological Survey - Earthquake Hazards Program

Unified Hazard Tool

Please do not use this tool to obtain ground motion parameter values for the design code reference documents covered by the U.S. Seismic Design Maps web tools (e.g., the International Building Code and the ASCE 7 or 41 Standard). The values returned by the two applications are not identical.

Input

Edition

Dynamic: Conterminous U.S. 2014 (v4.1

Spectral Period

Peak ground acceleration

Latitude

Decimal degrees

34.27584

Time Horizon

Return period in years

475

Longitude

Decimal degrees, negative values for western longitudes

-118.48762

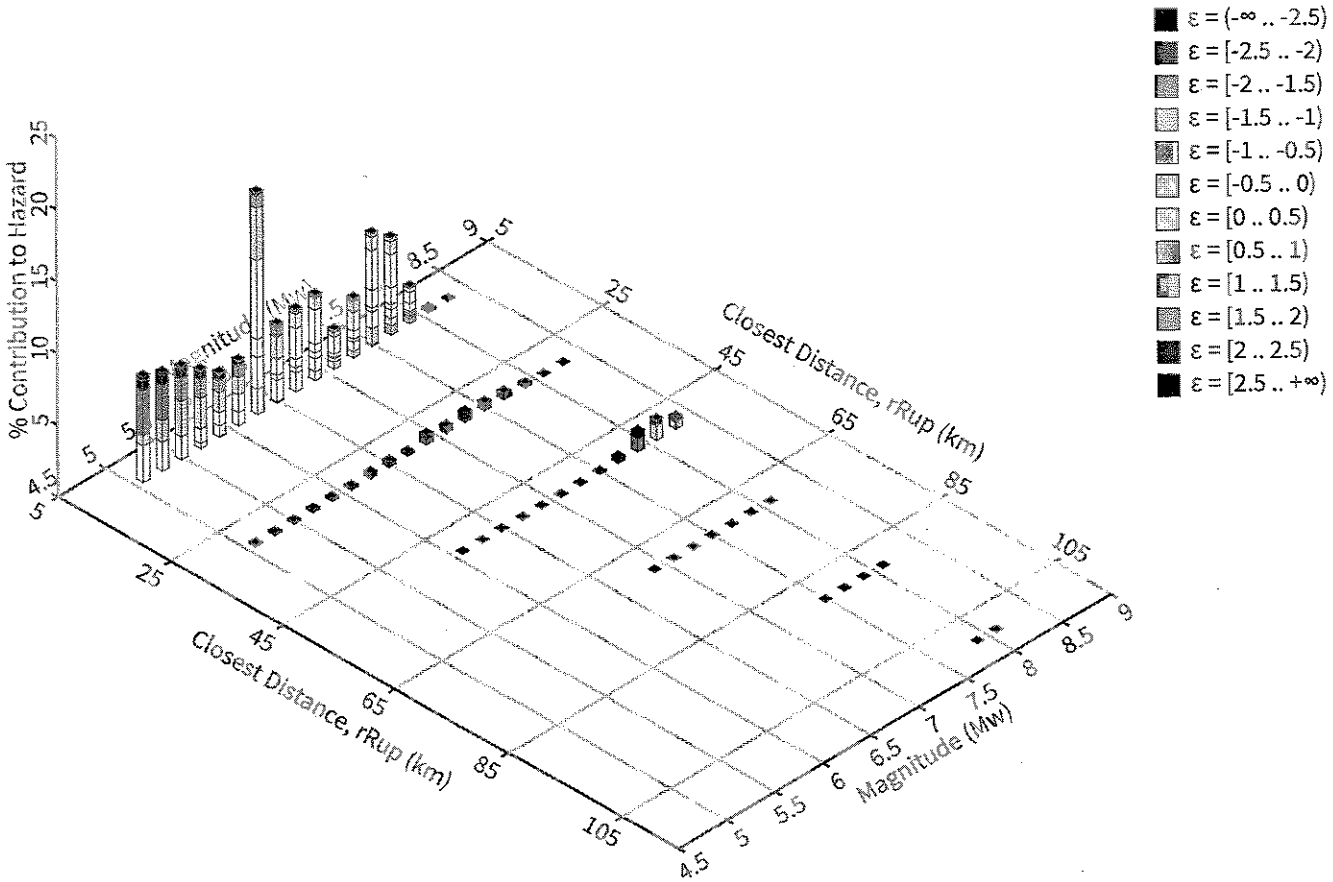
Site Class

259 m/s (Site class D)

Deaggregation

Component

Total



Summary statistics for, Deaggregation: Total

Deaggregation targets

Return period: 475 yrs
Exceedance rate: 0.0021052632 yr^{-1}
PGA ground motion: 0.75999442 g

Recovered targets

Return period: 516.18034 yrs
Exceedance rate: 0.0019373074 yr^{-1}

Totals

Binned: 100 %
Residual: 0 %
Trace: 0.14 %

Mean (for all sources)

r: 8.98 km
m: 6.49
ε_0: 0.83 σ

Mode (largest r-m bin)

r: 4.98 km
m: 6.3
ε_0: 0.63 σ
Contribution: 15.44 %

Mode (largest ε_0 bin)

r: 4.38 km
m: 6.3
ε_0: 0.81 σ
Contribution: 5.49 %

Discretization

r: min = 0.0, max = 1000.0, Δ = 20.0 km
m: min = 4.4, max = 9.4, Δ = 0.2
ε: min = -3.0, max = 3.0, Δ = 0.5 σ

Epsilon keys

ε0: [-∞ .. -2.5)
ε1: [-2.5 .. -2.0)
ε2: [-2.0 .. -1.5)
ε3: [-1.5 .. -1.0)
ε4: [-1.0 .. -0.5)
ε5: [-0.5 .. 0.0)
ε6: [0.0 .. 0.5)
ε7: [0.5 .. 1.0)
ε8: [1.0 .. 1.5)
ε9: [1.5 .. 2.0)
ε10: [2.0 .. 2.5)
ε11: [2.5 .. +∞]

Deaggregation Contributors

Source Set ↳ Source	Type	r	m	ε_0	lon	lat	az	%
UC33brAvg_FM32	System							30.73
Santa Susana East (connector) [0]		4.55	6.50	0.50	118.490°W	34.315°N	356.62	7.82
Santa Susana alt 2 [2]		5.91	7.12	0.35	118.520°W	34.321°N	329.26	5.46
Mission Hills 2011 [0]		1.90	7.11	-0.00	118.485°W	34.287°N	12.00	3.16
Northridge Hills [0]		1.96	7.65	-0.15	118.494°W	34.266°N	205.64	2.24
Sierra Madre (San Fernando) [2]		2.56	7.02	0.09	118.488°W	34.296°N	358.20	2.20
San Andreas (Mojave S) [3]		42.06	8.04	1.51	118.296°W	34.619°N	24.69	1.75
Santa Susana alt 2 [1]		6.82	6.25	0.84	118.477°W	34.336°N	8.70	1.36
Northridge [3]		10.25	7.24	0.54	118.470°W	34.327°N	16.08	1.15
UC33brAvg_FM31	System							27.40
Santa Susana East (connector) [0]		4.55	6.74	0.40	118.490°W	34.315°N	356.62	6.13
Mission Hills 2011 [0]		1.90	6.53	0.23	118.485°W	34.287°N	12.00	6.07
Sierra Madre (San Fernando) [2]		2.56	7.46	-0.05	118.488°W	34.296°N	358.20	2.05
Northridge Hills [0]		1.96	7.68	-0.16	118.494°W	34.266°N	205.64	1.96
Santa Susana alt 1 [0]		5.69	7.51	0.16	118.516°W	34.319°N	331.00	1.79
San Andreas (Mojave S) [3]		42.06	8.05	1.51	118.296°W	34.619°N	24.69	1.75
Northridge [3]		10.25	7.18	0.57	118.470°W	34.327°N	16.08	1.75
UC33brAvg_FM31 (opt)	Grid							21.17
PointSourceFinite: -118.488, 34.298		5.72	5.56	1.08	118.488°W	34.298°N	0.00	5.81
PointSourceFinite: -118.488, 34.298		5.72	5.56	1.08	118.488°W	34.298°N	0.00	5.81
PointSourceFinite: -118.488, 34.352		9.46	5.70	1.43	118.488°W	34.352°N	0.00	2.00
PointSourceFinite: -118.488, 34.352		9.46	5.70	1.43	118.488°W	34.352°N	0.00	2.00
UC33brAvg_FM32 (opt)	Grid							20.70
PointSourceFinite: -118.488, 34.298		5.72	5.55	1.09	118.488°W	34.298°N	0.00	5.67
PointSourceFinite: -118.488, 34.298		5.72	5.55	1.09	118.488°W	34.298°N	0.00	5.67
PointSourceFinite: -118.488, 34.352		9.47	5.69	1.43	118.488°W	34.352°N	0.00	1.98
PointSourceFinite: -118.488, 34.352		9.47	5.69	1.43	118.488°W	34.352°N	0.00	1.98

U.S. Geological Survey - Earthquake Hazards Program

Unified Hazard Tool

Please do not use this tool to obtain ground motion parameter values for the design code reference documents covered by the U.S. Seismic Design Maps web tools (e.g., the International Building Code and the ASCE 7 or 41 Standard). The values returned by the two applications are not identical.

Input

Edition

Dynamic: Conterminous U.S. 2014 (v4.1

Spectral Period

Peak ground acceleration

Latitude

Decimal degrees

34.27584

Time Horizon

Return period in years

2475

Longitude

Decimal degrees, negative values for western longitudes

-118.48762

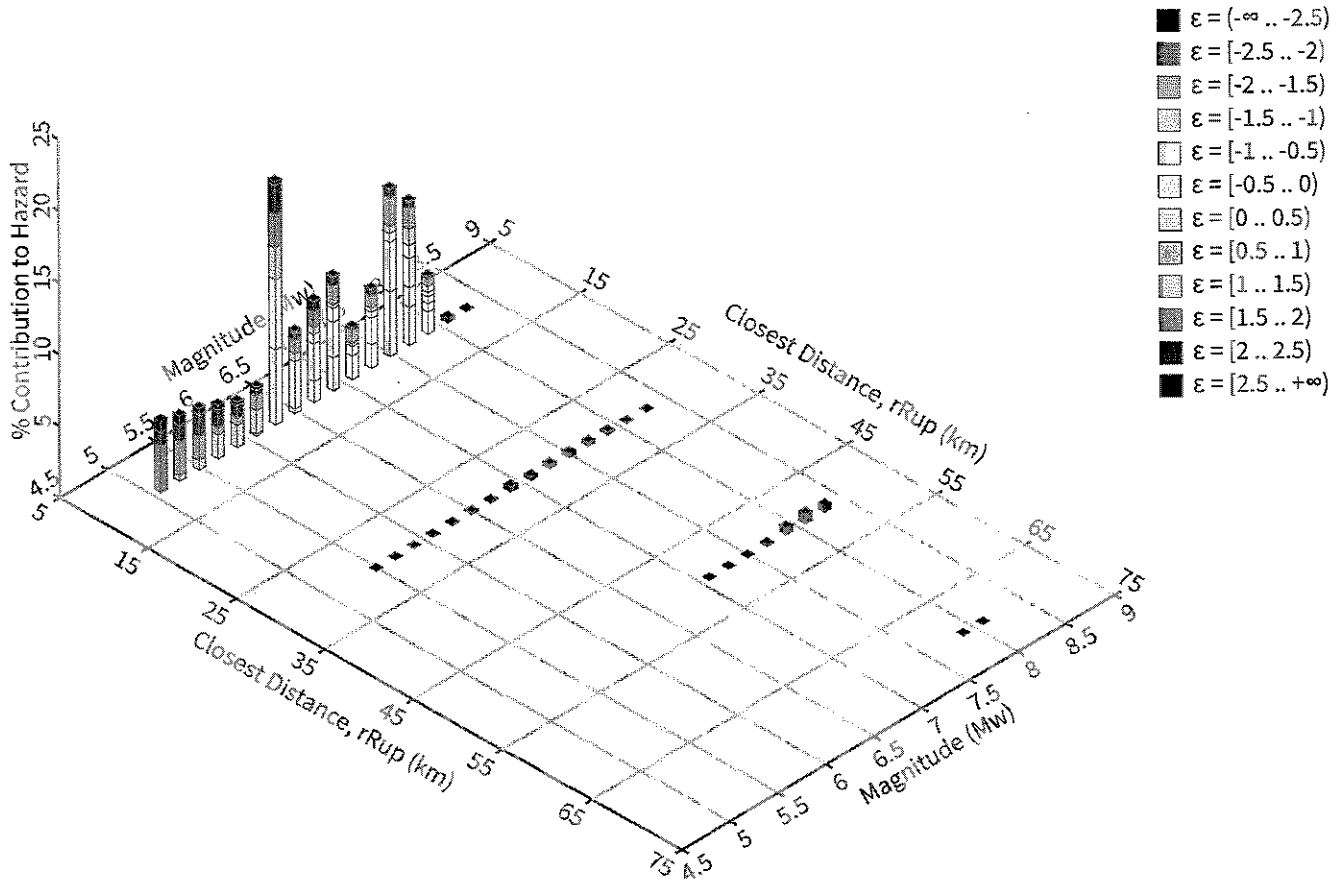
Site Class

259 m/s (Site class D)

Deaggregation

Component

Total



Summary statistics for, Deaggregation: Total

Deaggregation targets

Return period: 2475 yrs
Exceedance rate: 0.0004040404 yr^{-1}
PGA ground motion: 1.4362788 g

Recovered targets

Return period: 2858.696 yrs
Exceedance rate: 0.00034980984 yr^{-1}

Totals

Binned: 100 %
Residual: 0 %
Trace: 0.06 %

Mean (for all sources)

r: 6.46 km
m: 6.69
ε_0: 1.01 σ

Mode (largest r-m bin)

r: 4.28 km
m: 6.31
ε_0: 1.02 σ
Contribution: 16.93 %

Mode (largest ε_0 bin)

r: 1.9 km
m: 6.39
ε_0: 0.23 σ
Contribution: 5.23 %

Discretization

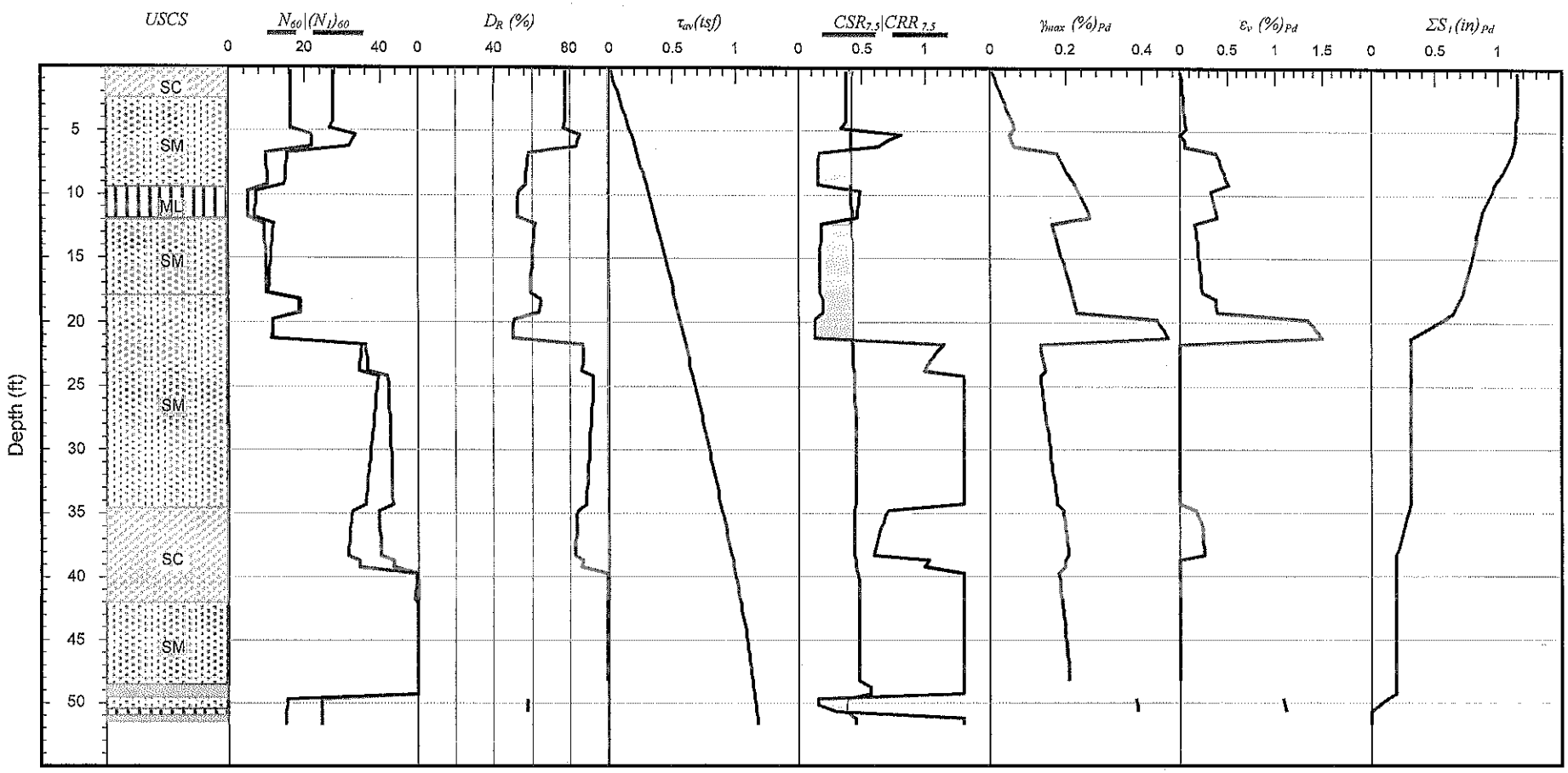
r: min = 0.0, max = 1000.0, Δ = 20.0 km
m: min = 4.4, max = 9.4, Δ = 0.2
ε: min = -3.0, max = 3.0, Δ = 0.5 σ

Epsilon keys

ε0: [-∞ .. -2.5)
ε1: [-2.5 .. -2.0)
ε2: [-2.0 .. -1.5)
ε3: [-1.5 .. -1.0)
ε4: [-1.0 .. -0.5)
ε5: [-0.5 .. 0.0)
ε6: [0.0 .. 0.5)
ε7: [0.5 .. 1.0)
ε8: [1.0 .. 1.5)
ε9: [1.5 .. 2.0)
ε10: [2.0 .. 2.5)
ε11: [2.5 .. +∞]

Deaggregation Contributors

Source Set ↳ Source	Type	r	m	ε_0	lon	lat	az	%
UC33brAvg_FM32	System							37.25
Santa Susana East (connector) [0]		4.55	6.54	0.97	118.490°W	34.315°N	356.62	9.04
Santa Susana alt 2 [2]		5.91	7.18	0.64	118.520°W	34.321°N	329.26	7.66
Mission Hills 2011 [0]		1.90	7.14	0.26	118.485°W	34.287°N	12.00	5.29
Northridge Hills [0]		1.96	7.66	0.07	118.494°W	34.266°N	205.64	3.96
Sierra Madre (San Fernando) [2]		2.56	7.03	0.36	118.488°W	34.296°N	358.20	3.56
Santa Susana alt 2 [1]		6.82	6.25	1.23	118.477°W	34.336°N	8.70	1.42
Northridge [3]		10.25	7.36	1.12	118.470°W	34.327°N	16.08	1.21
UC33brAvg_FM31	System							33.53
Mission Hills 2011 [0]		1.90	6.54	0.53	118.485°W	34.287°N	12.00	9.08
Santa Susana East (connector) [0]		4.55	6.81	0.84	118.490°W	34.315°N	356.62	7.47
Sierra Madre (San Fernando) [2]		2.56	7.48	0.18	118.488°W	34.296°N	358.20	3.58
Northridge Hills [0]		1.96	7.69	0.06	118.494°W	34.266°N	205.64	3.48
Santa Susana alt 1 [0]		5.69	7.53	0.49	118.516°W	34.319°N	331.00	2.73
Northridge [3]		10.25	7.28	1.19	118.470°W	34.327°N	16.08	1.75
UC33brAvg_FM31 (opt)	Grid							14.80
PointSourceFinite: -118.488, 34.298		5.64	5.60	1.66	118.488°W	34.298°N	0.00	4.78
PointSourceFinite: -118.488, 34.298		5.64	5.60	1.66	118.488°W	34.298°N	0.00	4.78
PointSourceFinite: -118.488, 34.352		9.07	5.80	1.83	118.488°W	34.352°N	0.00	1.24
PointSourceFinite: -118.488, 34.352		9.07	5.80	1.83	118.488°W	34.352°N	0.00	1.24
UC33brAvg_FM32 (opt)	Grid							14.42
PointSourceFinite: -118.488, 34.298		5.65	5.59	1.66	118.488°W	34.298°N	0.00	4.66
PointSourceFinite: -118.488, 34.298		5.65	5.59	1.66	118.488°W	34.298°N	0.00	4.66
PointSourceFinite: -118.488, 34.352		9.08	5.80	1.83	118.488°W	34.352°N	0.00	1.23
PointSourceFinite: -118.488, 34.352		9.08	5.80	1.83	118.488°W	34.352°N	0.00	1.23



SC
SM
ML
CL

Earthquake & Groundwater Information:
Magnitude = 6.69
Max. Acceleration = 0.88 g
Project GW = 100 ft
Maximum Settlement = 1.16 in
Settlement at Bottom of Footing = 1.16 in

Liquefaction: Idriss & Boulanger (2008)
Settl.: Pradel (1998)
Lateral spreading: Idriss & Boulanger (2008)
M correction: [Sand; Clay] Boulanger & Idriss(2004)
σv correction: Idriss & Boulanger (2008)
Stress reduction: Idriss & Boulanger (2008)

GORIAN & ASSOCIATES, INC.

Seismic Settlement Potential - SPT Data

Project:	Kennedy High School				
Location:					
Work Order:	2880-63-0-100	Boring No.:	B-1	Enclosure:	0

X12880-0-0-LA Unified Sch Dist-Master File\2880-63 Kennedy High School\Seismic Analysis\GeoSuite_2880-63-0-100_B-1.csv

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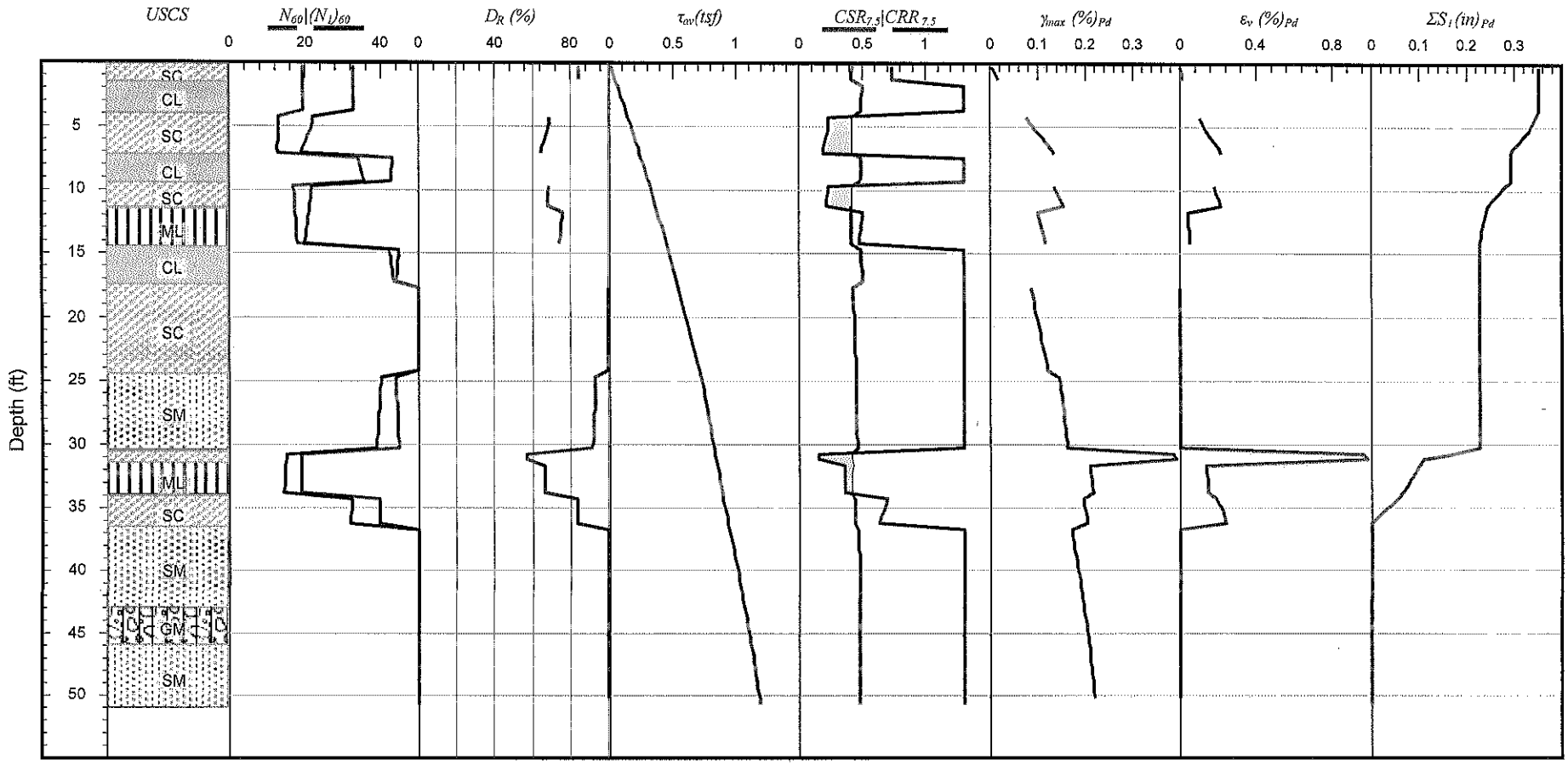

SC CL ML SM GM

Earthquake & Groundwater Information:
Magnitude = 6.69
Max. Acceleration = 0.88 g
Project GW = 100 ft
Maximum Settlement = 0.35 in
Settlement at Bottom of Footing = 0.35 in

Liquefaction: Idriss & Boulanger (2008)
Settl.: Pradel (1998)
Lateral spreading: Idriss & Boulanger (2008)
M correction: [Sand; Clay] Boulanger & Idriss(2004)
σv correction: Idriss & Boulanger (2008)
Stress reduction: Idriss & Boulanger (2008)

GORIAN & ASSOCIATES, INC.

Seismic Settlement Potential - SPT Data

Project:	Kennedy High School				
Location:					
Work Order:	2880-63-0-100	Boring No.:	B-4	Enclosure:	0

X:\2880-0-0-LA Unified Sch Dist-Master File\2880-63 Kennedy High School\Seismic Analysis\GeoSuite_2880-63-0-100_B-4.csv

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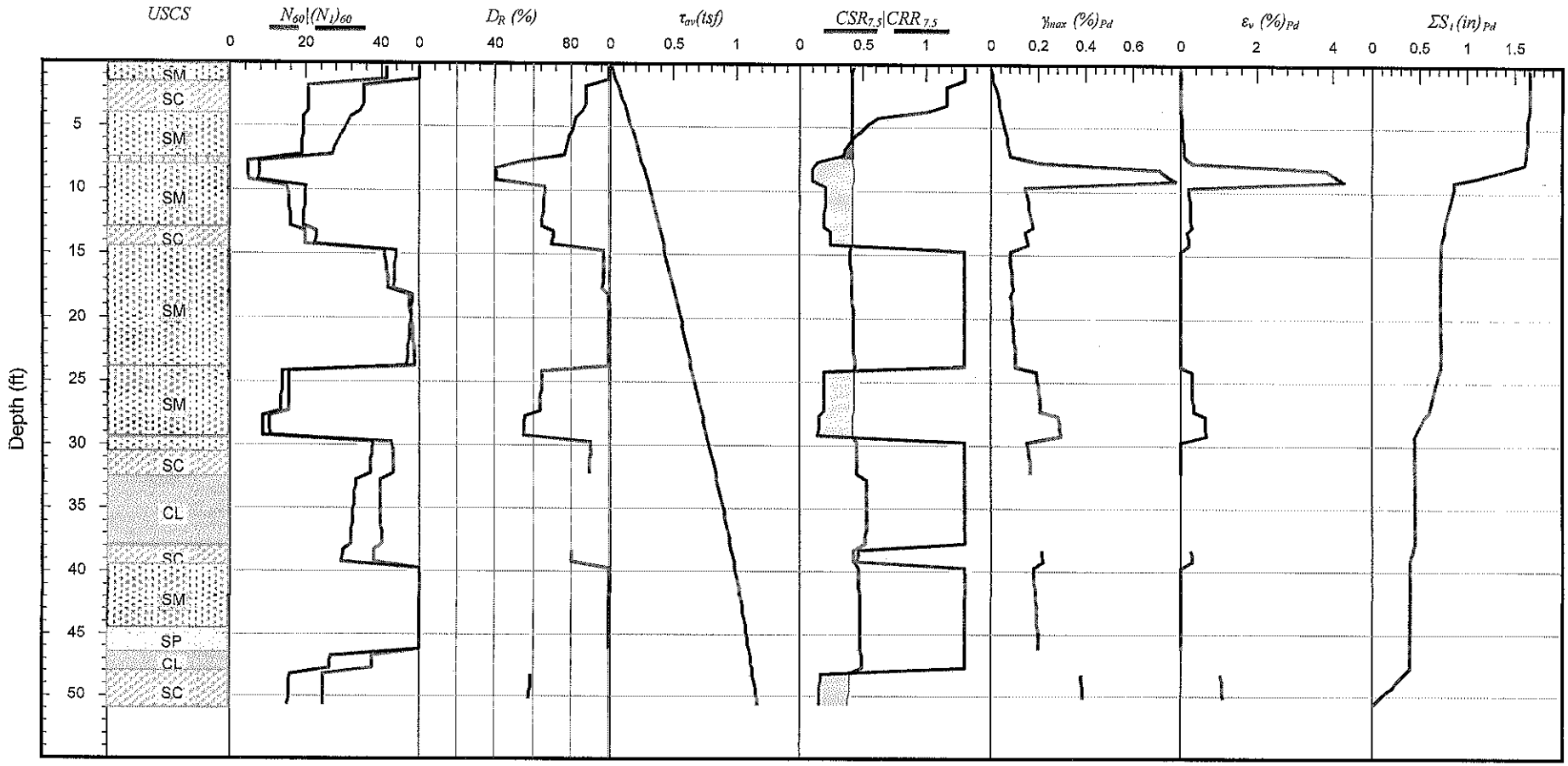

SM SC ML-SM CL SP

Earthquake & Groundwater Information:
Magnitude = 6.69
Max. Acceleration = 0.88 g
Project GW = 100 ft
Maximum Settlement = 1.65 in
Settlement at Bottom of Footing = 1.65 in

Liquefaction: Idriss & Boulanger (2008)
Settl.: Pradel (1998)
Lateral spreading: Idriss & Boulanger (2008)
M correction: [Sand; Clay] Boulanger & Idriss(2004)
σv correction: Idriss & Boulanger (2008)
Stress reduction: Idriss & Boulanger (2008)

GORIAN & ASSOCIATES, INC.

Seismic Settlement Potential - SPT Data

Project:	Kennedy High School				
Location:					
Work Order:	2880-63-0-100	Boring No.:	B-6	Enclosure:	0

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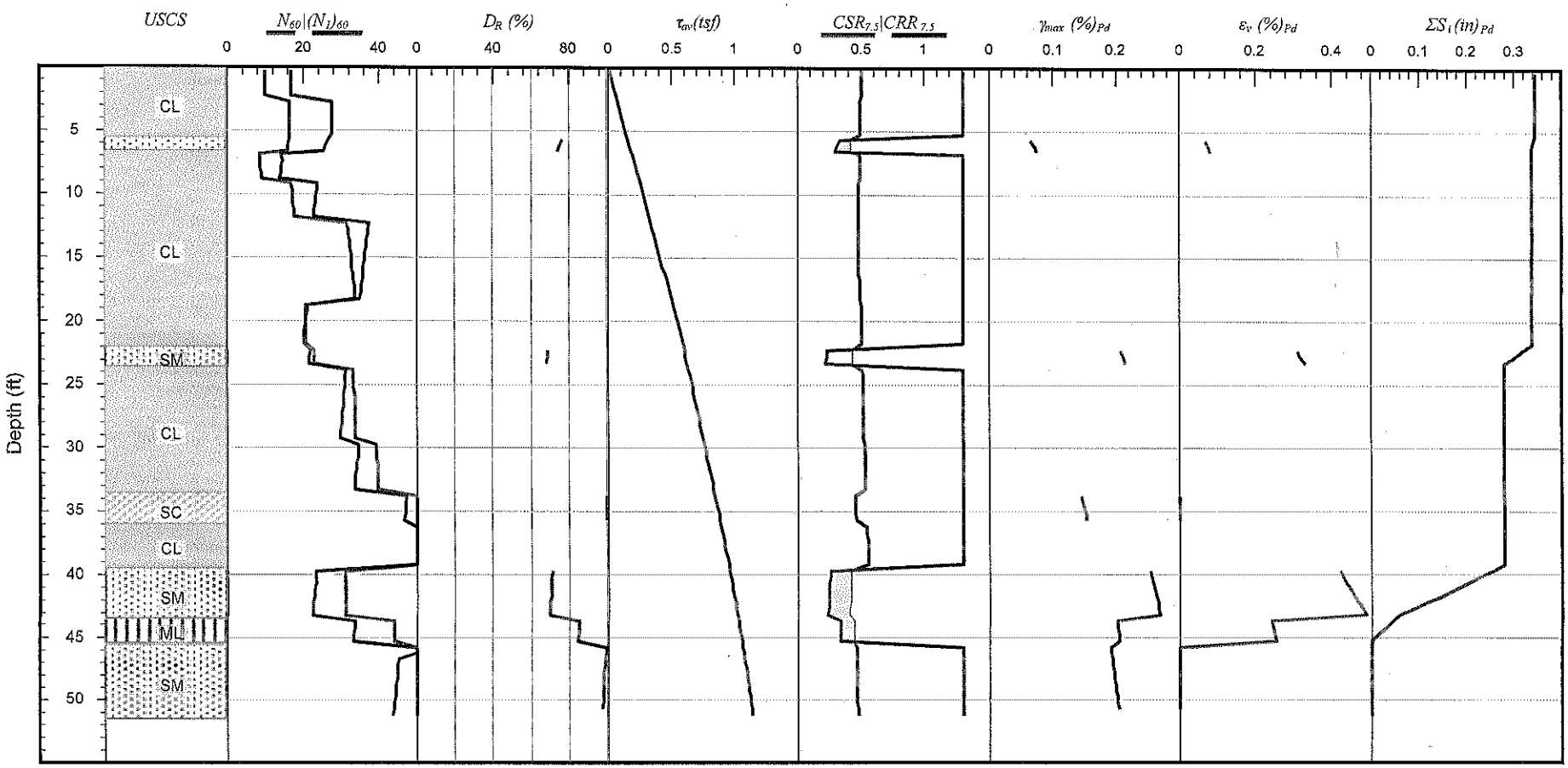

Earthquake & Groundwater Information:
Magnitude = 6.69
Max. Acceleration = 0.88 g
Project GW = 100 ft
Maximum Settlement = 0.35 in
Settlement at Bottom of Footing = 0.35 in

Liquefaction: Idriss & Boulanger (2008)
Settl.: Pradel (1998)
Lateral spreading: Idriss & Boulanger (2008)
M correction: [Sand; Clay] Boulanger & Idriss(2004)
σv correction: Idriss & Boulanger (2008)
Stress reduction: Idriss & Boulanger (2008)

GORIAN & ASSOCIATES, INC.

Seismic Settlement Potential - SPT Data

Project:	Kennedy High School				
Location:					
Work Order:	2880-63-0-100	Boring No.:	B-8	Enclosure:	0

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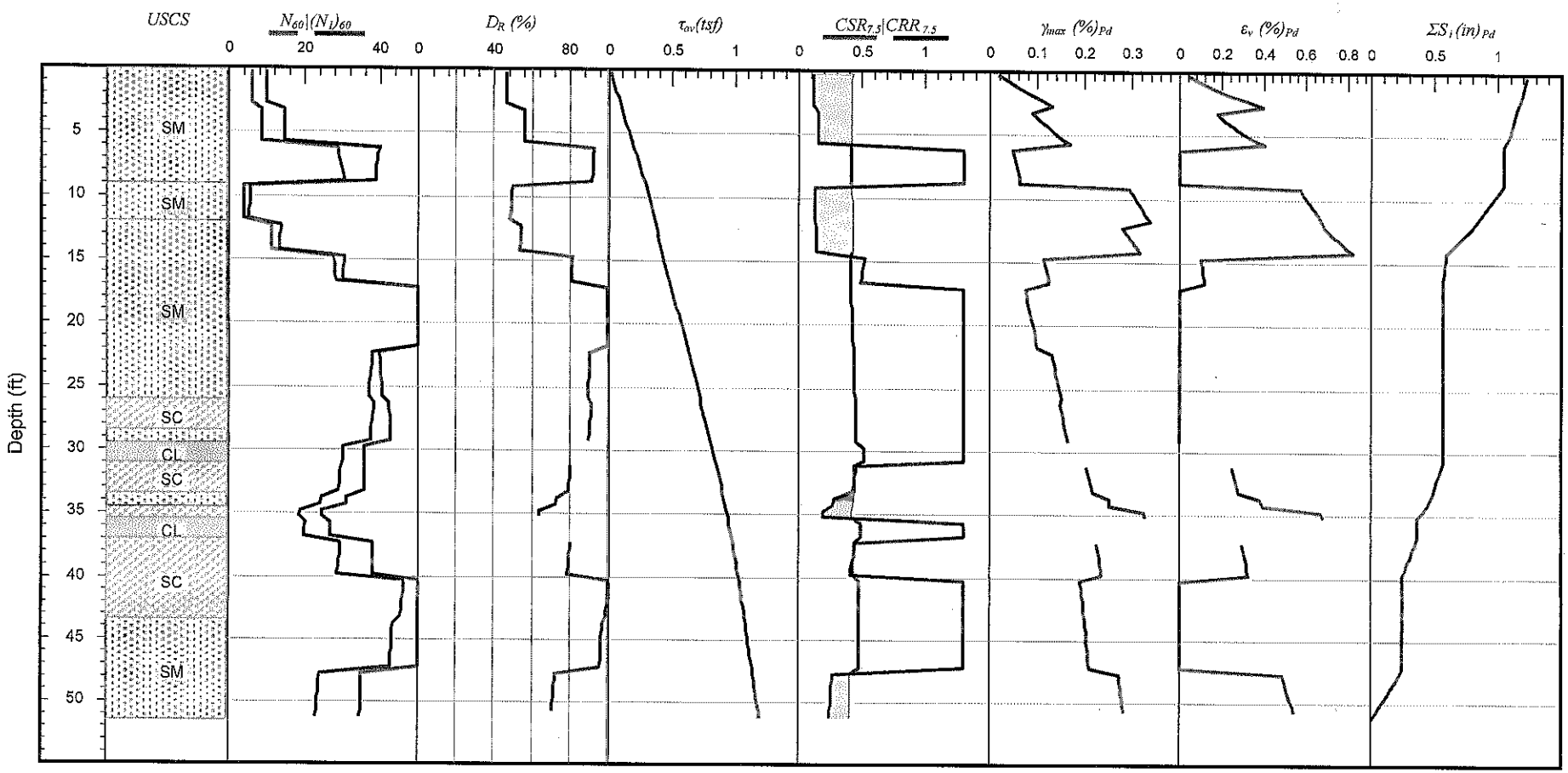

SM

SC

CL

Earthquake & Groundwater Information:
Magnitude = 6.69
Max. Acceleration = 0.88 g
Project GW = 100 ft
Maximum Settlement = 1.23 in
Settlement at Bottom of Footing = 1.23 in

Liquefaction: Idriss & Boulanger (2008)
Settl.: Pradel (1998)
Lateral spreading: Idriss & Boulanger (2008)
M correction: [Sand; Clay] Boulanger & Idriss(2004)
σv correction: Idriss & Boulanger (2008)
Stress reduction: Idriss & Boulanger (2008)

GORIAN & ASSOCIATES, INC.

Seismic Settlement Potential - SPT Data

Project:	Kennedy High School				
Location:					
Work Order:	2880-63-0-100	Boring No.:	B-11	Enclosure:	-1

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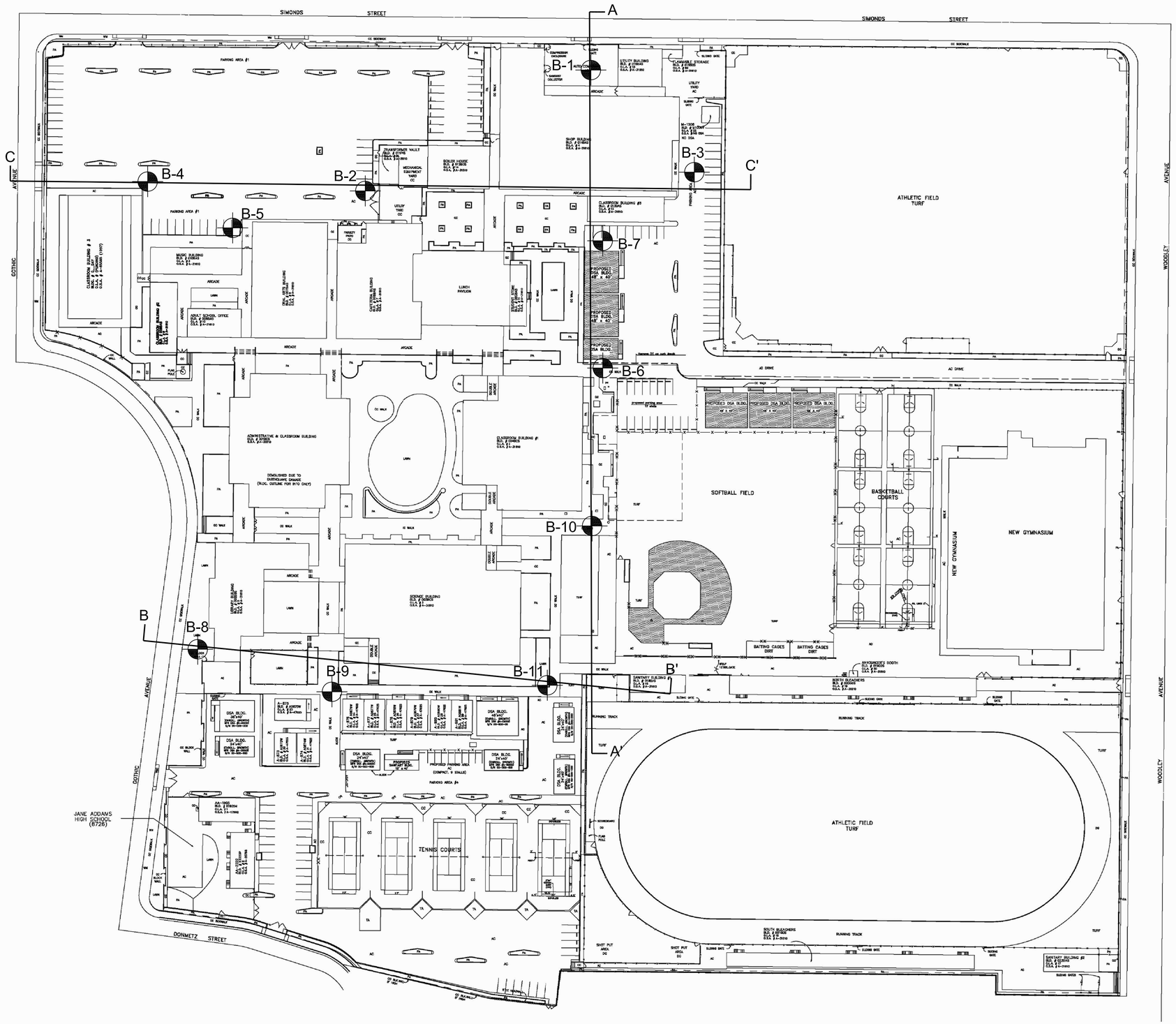


GEOTECHNICAL EXPLORATION MAP

Gorian & Associates, Inc. *Applied Earth Sciences*		
Job No: 2880-63-0-100		Date: June 2017
Scale: 1"=60'	Drawn by: / Approved by:	PLATE 1

EXPLANATION

B-11 — Approximate Location of Geotechincal Borings

C — C' — Location of Geotechincal Cross-Section

N

60 30 0 60 120 180

SCALE: 1" : 60'

LOS ANGELES UNIFIED SCHOOL DISTRICT · BOARD OF EDUCATION

RELOCATABLE HOUSING UNIT
FACILITIES SERVICES DIVISION
333 S. GRAND AVENUE, 4th FLR
LOS ANGELES, CA 90071

PLOT PLAN

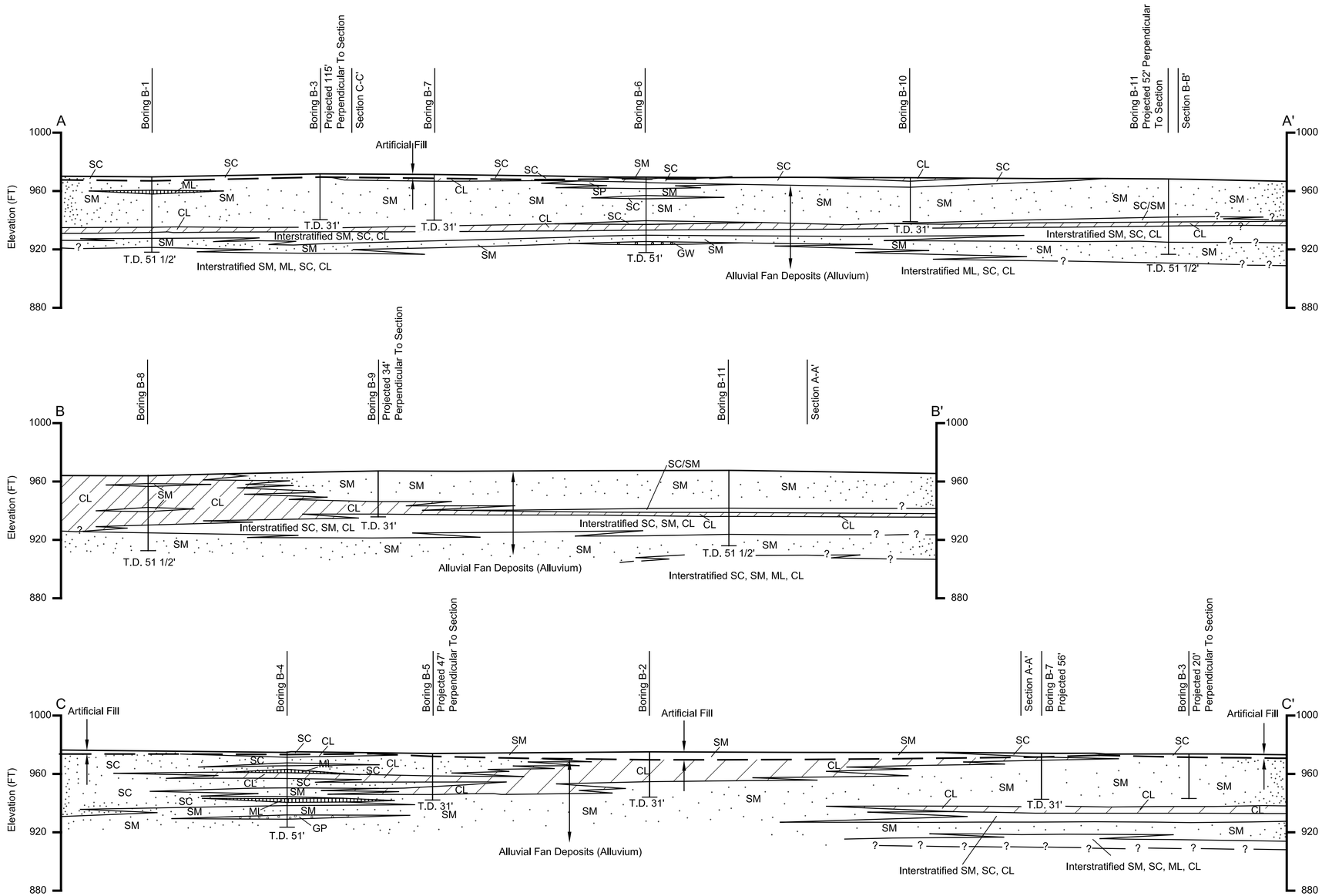
PROJECT

SCHOOL
KENNEDY, JOHN F., HIGH SCHOOL
11254 GOTHIC AVE.,
GRADANA HILLS 91344

VERIFICATION		
NO.	DATE	BY

REVISIONS		
NO.	DATE	BY
1	6-18-2002	KIN

LOCATION CODE	8725
DRAWN BY JZI	LOCAL DISTRICT A
CHECKED BY	INDEX NO.
DATE 9-11-00	1/1



GEOTECHNICAL CROSS SECTIONS

Kennedy High School
11254 Gothic Ave
Granada Hills, California

Gorian & Associates, Inc. *Applied Earth Sciences*		
Job No: 2880-63-0-100		Date: June 2017
Scale: 1" = 40'	Drawn by: / Approved by:	PLATE 2

PARSONS

100 West Walnut Street • Pasadena, CA 91124 • (626) 440-2000 • Fax: (626) 440-2630 • www.parsons.com

May 13, 2019

Mr. Andrew Modugno P.G.
Los Angeles Unified School District
Office of Environmental Health and Safety
333 North Beaudry Street, 21st Floor
Los Angeles, CA 90017

Site: **John F. Kennedy Senior High School**
11254 Gothic Avenue
Granada Hills, California 91344

Reference: **Draft Technical Memorandum on Shallow Soil Excavation Activities**

Mr. Modugno,

This technical memorandum is submitted to the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS) to document shallow soil excavation activities conducted at the John F. Kennedy Senior High School (Site) located at 11254 Gothic Avenue, Granada Hills, California (**Figure 1**). The shallow soil excavation activities consisted of excavating soil in one location based on the results of a Preliminary Environmental Assessment – Equivalent (PEA-E) conducted by Parsons in November and December 2018. The Site history, background, PEA-E scope, results, conclusions and recommendations are documented in the PEA-E (Parsons, 2019).

1.0 BACKGROUND

The PEA-E included soil sampling and laboratory analysis for a proposed seismic retrofit and infrastructure improvement project at the Site. **Figure 2** is a detailed site map of the high school. A total of 41 initial boring locations (SS-1 through SS-41) were sampled at depths of 0 to 0.5-, 1.5 to 2.0-, and 2.5 to 3.0-feet (ft) below ground surface (bgs). The 0.5-ft depth soil sample at each boring location was analyzed by the laboratory, and the step-down samples at 2.0-ft and 3.0-ft bgs were initially placed on hold. The initial sample locations were analyzed for lead, arsenic and organochlorine pesticides (OCPs). Additionally, soil in borings SS-8, SS-9, SS-32 and SS-34 were analyzed for polychlorinated biphenyls (PCBs) and soil in borings SS-10 through SS-12 were analyzed for volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH).

Based on a review of the sample results at 0.5-ft bgs there were no exceedances of screening levels, with the exception of 4,4'-DDE and lead, which were detected above their respective screening levels at boring location SS-8. The laboratory results of the step-down samples at 2.0-ft bgs and 3.0-ft bgs vertically delineated 4,4'-DDE and lead at sample location SS-8. SS-8 was laterally delineated 5-ft east, south and northwest of the initial boring location for 4,4'-DDE and lead in 0.5-ft bgs samples at SS-8-E5, SS-8-S5, and SS-8-NW5, respectively (**Figure 3**). The PEA-E recommended that shallow soil impacted by 4,4'-DDE and lead and defined by the step-out and step-down sample results, should be removed and properly disposed of.

2.0 PRE-FIELD

The following activities were completed prior to the soil excavation work:

- The proposed soil excavation area was delineated by Parsons on the ground with white paint on April 9, 2019.
- Underground Service Alert (USA) was notified on April 9, 2019 of the proposed work and ticket number A190990605 was issued. Representatives from the utility companies then either marked their subsurface structures or directly contacted a Parsons representative to discuss potential utility and subsurface structure conflicts.
- The proposed excavation was geophysically surveyed by Pacific Coast Locators, a private utility locator, on April 15, 2019, for the presence of underground utilities using geophysical methods (including ground-penetrating radar, electromagnetic utility locating, and deep-search metal detector).

3.0 SOIL REMOVAL ACTIVIITES

3.1 Soil Excavation

Soil removal activities were conducted on April 15, 2019. As requested by LAUSD, soil excavation for the removal of lead and 4,4'-DDE impacted soil occurred at one discreet area on the northwestern portion of the Site. A six square foot area was excavated to two feet bgs by Rice General, Inc. (Rice) using hand tools (**Figure 6**). The irrigation lines in the area were uncovered and preserved.

After the excavation was complete, confirmation soil samples were collected from the southern, eastern, western and northern sidewalls and at the bottom of the excavation. The confirmation samples were collected in new laboratory-provided 4-ounce jars, labeled, stored in coolers with ice, and transported to the laboratory under chain of custody procedures. The confirmation soil samples were analyzed for lead by Environmental Protection Agency (EPA) Method 6010B and OCPs by EPA Method 8081A. Analytical results for the confirmation samples are summarized in **Table 1** and **Table 2**. Laboratory analytical data are included in **Appendix A**.

Approximately three cubic yards of soil was removed from the six square foot area during excavation as identified on **Figure 6**. Rice backfilled the excavation using purchased clean sand and clean topsoil. The excavated soil was placed directly into eleven 55-gallon drums and temporarily stored on-site in properly labeled Department of Transportation-approved drums pending disposal profiling. Eleven drums containing non-hazardous soil were removed by Belshire Environmental Services, Inc. (BESI) on May 9, 2019. The drums were disposed of at Soil Safe in Adelanto, California. Drum disposal documentation is provided in **Appendix B**.

3.2 Preliminary Screening Levels

Analytical results for the confirmation soil samples were compared with risk-based screening levels to determine if additional excavation was required. The screening levels are referred to here and after as PSLs (preliminary screening levels). A detailed discussion regarding the screening levels used at the Site is presented in the PEA-E. The screening levels used for OCPs are the USEPA RSLs (2018). The screening level used for lead is 80 mg/kg.

3.3 Soil Excavation Analytical Results

Analytical results for the confirmation soil samples collected from the excavation sidewalls and bottom were compared to the PSLs to determine if additional excavation was required. The confirmation sampling for lead had a maximum detected concentration of 4.48J mg/kg (sample

SS-8-CSN) which is under the PSL of 80 mg/kg. The confirmation sampling for OCPs had a maximum detected 4,4'-DDE concentration of 177 micrograms per kilogram (µg/kg) [sample SS-8-CSE] which is under the PSL of 2,000 µg/kg. All confirmation samples were below their respective PSLs for lead and OCPs, and no additional excavation was necessary.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the PEA-E conducted in November/December 2018, a six square foot by two feet deep area was excavated in April 2019 to remove soil impacted by lead and 4,4'-DDE. Soil impacted with lead and 4,4'-DDE above PSLs was removed in the selected area as directed by LAUSD. A total of approximately three cubic yards of soil was excavated and lawfully disposed of. Confirmation sampling results indicate the soil removal was effective in removing the impacted soil. No further action is necessary with respect to the area subject to this technical memorandum.

5.0 REFFERENCES

DTSC, 2015. *Preliminary Endangerment Assessment Manual. A guidance manual for evaluating hazardous substance release sites.*

DTSC, 2018. *HERO HHRA Note Number 3, DTSC-Modified Screening Levels (DTSC-SLs).* January.

Parsons, 2019. *Preliminary Environmental Assessment – Equivalent Report*, February 13.

USEPA (US Environmental Protection Agency), 2018. *Regional Screening Levels for Chemical Contaminants at Superfund Sites*. May. Available online at https://www.epa.gov/risk/regional-screening-levels-rsls

If you have questions or comments regarding this document, please contact Justin King (Parsons) at 626-440-6133.

Sincerely,

Justin King
Project Manager

Reviewed by Peter Shair, PG 8362

PROFESSIONAL GEOLOGIST
PETER B. SHAIR
NO. 8362
Exp. 5/31/20
STATE OF CALIFORNIA

Attachments:

Table 1 – Analytical Results for Lead in Soil
Table 2 – Analytical Results for Organochlorine Pesticides in Soil
Figure 1 – Site Location
Figure 2 – Kennedy High School Site Map
Figure 3 – Soil and Step-Out Sample Locations Northwester Portion of Campus
Figure 4 – Excavation Detail Map Location SS-8
Appendix A – Certified Laboratory Analytical Report
Appendix B – Waste Manifest

TABLES

TABLE 1
ANALYTICAL RESULTS FOR LEAD IN SOIL
LAUSD Kennedy High School Shallow Soil Excavation

Sample ID	Sample Date	Lead
	Units	mg/kg
	Test Method	6010B
	Screening Level	80
SS-8-CSE	4/15/2019	2.75J
SS-8-CSW	4/15/2019	3.38J
SS-8-CSS	4/15/2019	ND
SS-8-CSN	4/15/2019	4.48J
SS-8-CSB	4/15/2019	3.76J
SS-8-CSB Dup	4/15/2019	4.25J

Notes:
ND = Not detected at or above the indicated practical quantitation limit
mg/kg = miligrams per kilogram
J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the method detection limit (MDL) and the practical quantiation limit (PQL).

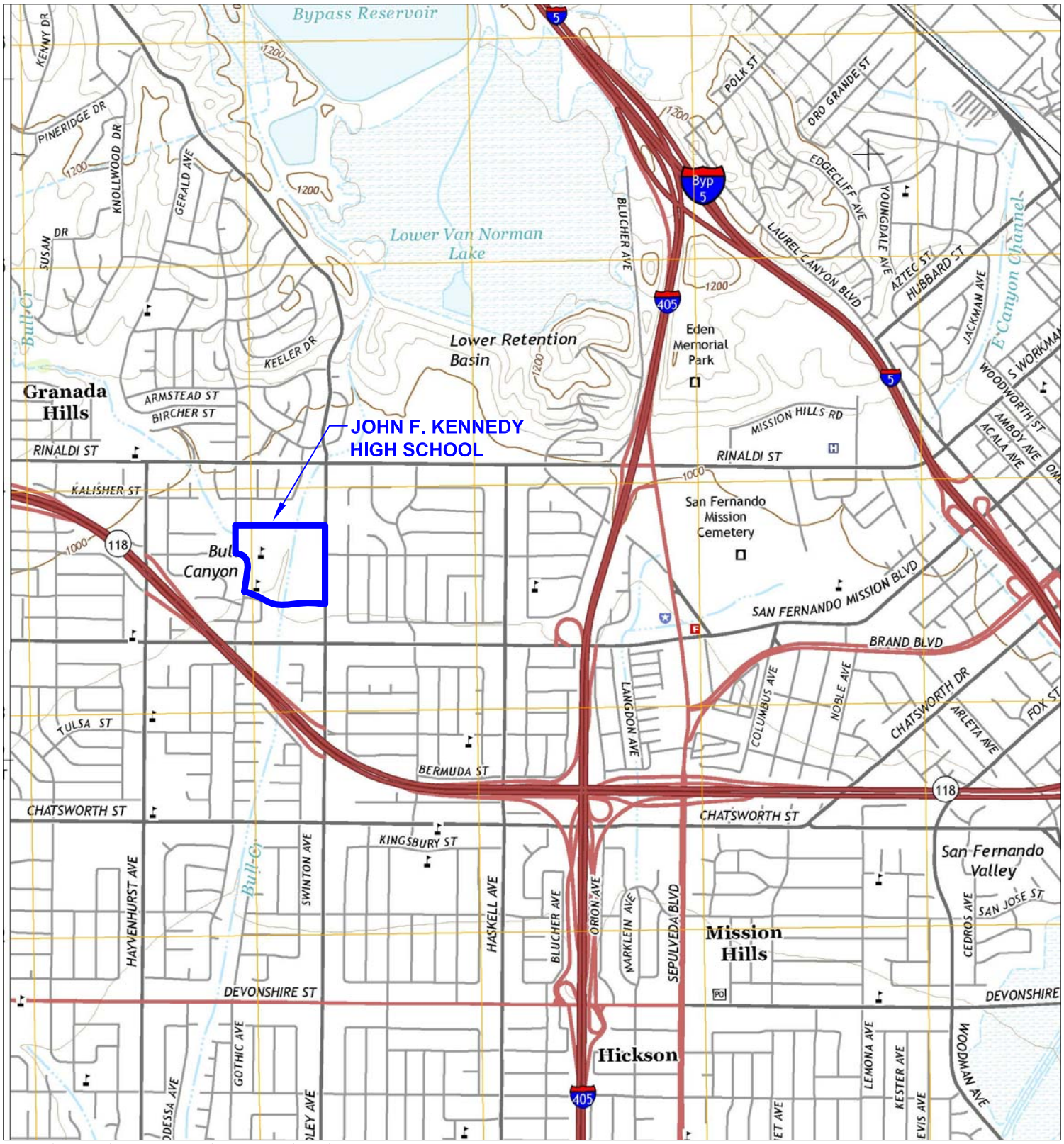
Lead screening level based on Department of Toxic Substances Control (DTSC) The Human and Ecological Risk Office (HERO) Human Health Risk (DTSC. 2013a. Human Health Risk Assessment (HHRA) Note Number 3. Office of Human and Ecological Risk. May 21, 2013.)

TABLE 2
ANALYTICAL RESULTS FOR ORGANOCHLORINE PESTICIDES IN SOIL
LAUSD Kennedy High School Shallow Soil Excavation Report

Sample ID	Sample Collection Date	4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane (total)	Endrin	Other OCPs
	RSL*	1900	2000	1900	440	1900	--
	Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
SS-8-CSE	4/15/2019	1.99J	177	5.18	1.54J	1.11J	ND
SS-8-CSW	4/15/2019	ND	10.5	3.31	ND	ND	ND
SS-8-CSS	4/15/2019	ND	6.72	2.69	ND	ND	ND
SS-8-CSN	4/15/2019	ND	36.8	2.07	ND	ND	ND
SS-8-CSB	4/15/2019	ND	39.3	3.36	ND	ND	ND
SS-8-CSB Dup	4/15/2019	1.66J	80.9	4.09	ND	ND	ND

Notes:
ND = Not detected at or above the indicated practical quantitation limit
µg/kg = micrograms per kilogram
J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the method detection limit (MDL) and the practical quantiation limit (PQL).
Samples analyzed by Environmental Protection Agency Method 8081A.
RSL = regional screening level
* = As recommended by DTSC (2013, 2014) guidance, the RSLs were used as screening values.
OCPs = Organochlorine Pesticides

FIGURES



Source: San Fernando Quadrangle (2015)
7.5 Minute Series USGS Map

N

1,000 0 2,000

Approximate Scale (ft)

Site Location

Figure 1

Site Location Map

LAUSD
John F. Kennedy High School
11254 Gothic Ave.,
Los Angeles, CA

PARSONS

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FIGURE 2

KENNEDY HIGH SCHOOL SITE MAP

Kennedy High School
11254 Gothic Avenue
Granada Hills, California

LEGEND

School Boundary

PARSONS

Coordinate System: WGS 1984 UTM Zone 11N
Image - LA County, LARIAC3, 2011

Feet
100 0 100 200

N

PATH: F:\GISCADD\projects\LAUSD_Kennedy\Mapfiles\LAUSD_Kennedy_overview_proposed_samples_fig3.mxd Date: 5/13/2019

FIGURE 3

SOIL AND STEP-OUT SOIL SAMPLE LOCATIONS (Northwestern Portion of Campus)

LAUSD - Kennedy High School
11254 Gothic Avenue
Granada Hills, California

LEGEND

- Soil Sample Location (Arsenic, Lead, OCPs)
- Soil Sample Location (Arsenic, Lead, OCPs, PCBs)
- Step-Out Soil Sample Location (Lead, OCPs)
- Shallow Soil Excavation Area

PARSONS

Coordinate System: WGS 1984 UTM Zone 11N
Image - LA County, LARIAC3, 2011

25 0 25 50 Feet

N

PATH: F:\GISCADD\projects\LAUSD_Kennedy\Mapfiles\Report\LAUSD_Kennedy_NW_proposed_stepout.mxd Date: 2/11/2019

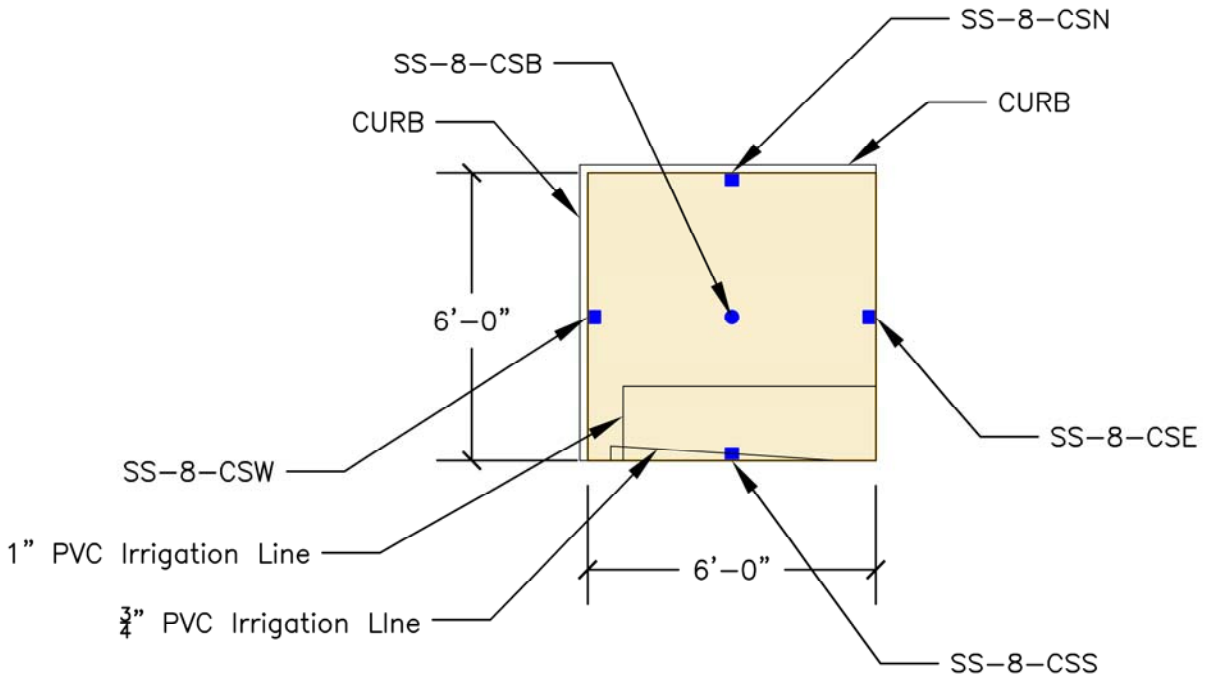
LEGEND

2.0 FOOT TOTAL DEPTH EXCAVATION LIMITS

SIDEWALL SAMPLE

BOTTOM SAMPLE

Inset from Figures 2 and 3



N

0 4

APPROXIMATE SCALE IN FEET

Figure 4

EXCAVATION and CONFIRMATION
SAMPLE DETAIL MAP
LOCATION SS-8
KENNEDY HIGH SCHOL

11254 Gothic Ave.
Granada Hills, CA

PARSONS

PASADENA, CA

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APPENDIX A
Certified Analytical Laboratory Reports

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Justin King

Number of Pages 9
Date Received 04/15/2019
Date Reported 04/26/2019

Job Number	Order Date	Client
97205	04/15/2019	PARSNS

Project ID: KENNEDY HS
Project Name: Kennedy HS Housekeeping
Site: LAUSD Kennedy High School

Enclosed please find results of analyses of 6 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

CHAIN OF CUSTODY RECORD

112822

AETL JOB No. 97205

Page 1 of 1

COMPANY: Parsons
PROJECT MANAGER: Justin King
COMPANY ADDRESS: 100 West Walnut St
PHONE: 626-440-6133
FAX:
PROJECT NAME: ~~LAUSD~~ Kennedy HS Housekeeping
PROJECT #:
SITE NAME AND ADDRESS: LAUSD Kennedy High School
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	lead by 6010B	CCR
1	SS-8-CSE	97205.01	4-15-19	1040	soil	1/4oz	NA	X	X
2	SS-8-CSW	97205.02	↓	1042	↓	↓	NA	X	X
3	SS-8-CSS	97205.03	↓	1044	↓	↓	NA	X	X
4	SS-8-CSN	97205.04	↓	1046	↓	↓	NA	X	X
5	SS-8-CSB	97205.05	↓	1048	↓	↓	NA	X	X
6	SS-8-CSBDUP	97205.06	↓	1050	↓	↓	NA	X	X
7									
8									
9									
10									
11									
12									
13									
14									
15									

ANALYSIS REQUESTED

TEST INSTRUCTIONS & COMMENTS

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	6	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name:
Date: 4-15-19 Time: 1345	Date: Time:	Date: Time:

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RECEIVED BY: 1	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: Time:	Date: Time:	Date: 4-15-19 Time: 1350

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: Parson
Project Name:
AETL Job Number: 97205
Date Received: 04/15/19 Received by: AJ / Sarkis
Carrier: ☐ AETL Courier ☒ Client ☐ GSO ☐ FedEx ☐ UPS
☐Others:

Samples were received in: ☒ Cooler (/) ☐ Other (Specify):
Inside temperature of shipping container No 1: 3.4°C, No 2: _____, No 3: _____
Type of sample containers: ☐ VOA, ☐ Glass bottles, ☐ ☒Wide mouth jars, ☐ ☐HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify): _____
How are samples preserved: ☐ None, ☐ Ice , ☒ Blue Ice, ☐ Dry Ice
☒ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH
☐ Other (Specify):

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?		✓	
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	1		

Explain all "No" answers for above questions:

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Justin King

Project ID: KENNEDY HS
Date Received 04/15/2019
Date Reported 04/26/2019

Job Number	Order Date	Client
97205	04/15/2019	PARSNS

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 6 samples with the following specification on 04/15/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
97205.01	SS-8-CSE	04/15/2019	Soil	1
97205.02	SS-8-CSW	04/15/2019	Soil	1
97205.03	SS-8-CSS	04/15/2019	Soil	1
97205.04	SS-8-CSN	04/15/2019	Soil	1
97205.05	SS-8-CSB	04/15/2019	Soil	1
97205.06	SS-8-CSB DUP	04/15/2019	Soil	1

Method ^ Submethod	*Req Date*	*Priority*	*TAT*	*Units*
(6010B.LEAD)	04/22/2019	2	Normal	mg/Kg
(8081A)	04/22/2019	2	Normal	ug/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

LAUSD Kennedy High School

Page: 2

Project ID: KENNEDY HS
Project Name: Kennedy HS Housekeeping

AETL Job Number	Submitted	Client
97205	04/15/2019	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB1

Our Lab I.D.			Method Blank	**97205.01**	**97205.02**	**97205.03**	**97205.04**
Client Sample I.D.				SS-8-CSE	SS-8-CSW	SS-8-CSS	SS-8-CSN
Date Sampled				04/15/2019	04/15/2019	04/15/2019	04/15/2019
Date Prepared			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	1.54J	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	1.99J	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	177	10.5	6.72	36.8
4,4'-DDT (DDT)	1.0	2.0	ND	5.18	3.31	2.69	2.07
Dieldrin	1.0	2.0	ND	1.83J	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	1.11J	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS Housekeeping

AETL Job Number	Submitted	Client
97205	04/15/2019	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	97205.01	97205.02	97205.03	97205.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		130	140	125	129	124
Tetrachloro-m-xylene	30-150		142	121	132	143	130

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ANALYTICAL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

LAUSD Kennedy High School

Page: **4**

Project ID: KENNEDY HS
Project Name: Kennedy HS Housekeeping

AETL Job Number	Submitted	Client
97205	04/15/2019	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB1

Our Lab I.D.			**97205.05**	**97205.06**			
Client Sample I.D.			SS-8-CSB	SS-8-CSB DUP			
Date Sampled			04/15/2019	04/15/2019			
Date Prepared			04/17/2019	04/17/2019			
Preparation Method			3550B	3550B			
Date Analyzed			04/17/2019	04/17/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aldrin	1.0	2.0	ND	ND			
Chlordane (Total)	1.0	2.0	ND	ND			
Chlordane (alpha)	1.0	2.0	ND	ND			
4,4'-DDD (DDD)	1.0	2.0	ND	1.66J			
4,4'-DDE (DDE)	1.0	2.0	39.3	80.9			
4,4'-DDT (DDT)	1.0	2.0	3.36	4.09			
Dieldrin	1.0	2.0	ND	ND			
Endosulfan 1	1.0	2.0	ND	ND			
Endosulfan 11	1.0	2.0	ND	ND			
Endosulfan sulfate	1.0	2.0	ND	ND			
Endrin	1.0	2.0	ND	ND			
Endrin aldehyde	1.0	2.0	ND	ND			
Endrin ketone	1.0	2.0	ND	ND			
Chlordane (gamma)	1.0	2.0	ND	ND			
Heptachlor	1.0	2.0	ND	ND			
Heptachlor epoxide	1.0	2.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND			
Methoxychlor	5.0	10.0	ND	ND			
Toxaphene	25.0	50.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS Housekeeping

AETL Job Number	Submitted	Client
97205	04/15/2019	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97205.05	97205.06			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		132	132			
Tetrachloro-m-xylene	30-150		144	134			

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

LAUSD Kennedy High School

Page: 6

Project ID: KENNEDY HS
Project Name: Kennedy HS Housekeeping

AETL Job Number	Submitted	Client
97205	04/15/2019	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0417192C3

Our Lab I.D.			Method Blank	97205.01	97205.02	97205.03	97205.04
Client Sample I.D.				SS-8-CSE	SS-8-CSW	SS-8-CSS	SS-8-CSN
Date Sampled				04/15/2019	04/15/2019	04/15/2019	04/15/2019
Date Prepared			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Lead	2.5	5.0	ND	2.75J	3.38J	ND	4.48J

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

LAUSD Kennedy High School

Page: **7**

Project ID: KENNEDY HS
Project Name: Kennedy HS Housekeeping

AETL Job Number	Submitted	Client
97205	04/15/2019	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0417192C3

Our Lab I.D.			**97205.05**	**97205.06**			
Client Sample I.D.			SS-8-CSB	SS-8-CSB DUP			
Date Sampled			04/15/2019	04/15/2019			
Date Prepared			04/17/2019	04/17/2019			
Preparation Method			3050B	3050B			
Date Analyzed			04/18/2019	04/18/2019			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Lead	2.5	5.0	3.76J	4.25J			

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QUALITY CONTROL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

LAUSD Kennedy High School

Page: 8

Project ID: KENNEDY HS
Project Name: Kennedy HS Housekeeping

AETL Job Number	Submitted	Client
97205	04/15/2019	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0417192C3; Dup or Spiked Sample: 97205.01; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	2.75	50.0	43.5	81.5	50.0	43.4	81.3	<1	75-125	<15

QC Batch No: 0417192C3; Dup or Spiked Sample: 97205.01; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	49.5	99.0	50.0	49.6	99.2	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

LAUSD Kennedy High School

Page: 9

Project ID: KENNEDY HS
Project Name: Kennedy HS Housekeeping

AETL Job Number	Submitted	Client
97205	04/15/2019	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB1; Dup or Spiked Sample: 97205.06; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/17/2019; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	23.7	119	20.0	23.7	119	<1	40-150	<40
4,4'-DDT (DDT)	4.09	50.0	35.7	63.2	50.0	38.3	68.4	7.90	40-150	<40
Dieldrin	0.876	50.0	63.9	126	50.0	64.6	127	<1	40-150	<40
Endrin	0.739	50.0	64.8	128	50.0	65.8	130	1.55	40-150	<40
Heptachlor	0.00	20.0	22.8	114	20.0	22.4	112	1.77	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	22.9	115	20.0	22.5	113	1.75	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	30.3	121	25.0	32.8	131	8.26	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	32.5	130	25.0	34.3	137	5.38	30-150	<40

QC Batch No: 041719EB1; Dup or Spiked Sample: 97205.06; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/17/2019; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Aldrin	20.0	23.6	118	20.0	23.8	119	<1	50-150	<40	
4,4'-DDT (DDT)	50.0	55.6	111	50.0	49.2	98.4	12.0	50-150	<40	
Dieldrin	50.0	63.1	126	50.0	63.8	128	1.57	50-150	<40	
Endrin	50.0	63.1	126	50.0	64.3	129	2.35	50-150	<40	
Heptachlor	20.0	23.9	120	20.0	23.8	119	<1	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	23.6	118	20.0	23.8	119	<1	50-150	<40	
Surrogates										
Decachlorobiphenyl	25.0	31.5	126	25.0	31.4	126	<1	30-150	<40	
Tetrachloro-m-xylene	25.0	34.1	136	25.0	33.7	135	<1	30-150	<40	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

APPENDIX B
Waste Manifest

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Generator and/or Consultant

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /			A07	AS-0357	9011

Generator's Name and Billing Address: L.A.U.S.D. - OEHS ATTN: ERIC LONGENECKER 333 S. BEAUDRY AVE., 21ST FLOOR LOS ANGELES, CA 90017	Generator's Phone #: 213-241-3199 Person to Contact: FAX#:	Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #: Person to Contact: FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)* LAUSD - KENNEDY HIGH SCHOOL 11254 GOTHIC AVENUE GRANADA HILLS, CA 91344	Site Phone #: Person to Contact: FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 862-8001 Person to Contact: JOE PROVANSAL FAX#: (760) 246-8004	
Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 306626	Transporter's Phone #: 949-460-5200 Person to Contact: LARRY MOOTHART FAX#: 949-460-5210	CAR000183913 450647 Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑	11 DM	SOIL			
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					

List any exception to items listed above: Scale Ticket #

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ❑ Consultant ❑ Andrew Modugno for LAUSD

Signature and date: Andrew Modugno — Month 05 Day 09 Year 19

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: EDUARDO GARCIA

Signature and date: [signature] — Month 7 Day 9 Year 19

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: J. PROVANSAL / BILL BISHOP / BARRY MEEK

Signature and date:

Please print or type.

GENERATOR/CONSULTATANTS COPY

Appendix F
Phase I Environmental Site Assessment, Preliminary Environmental Assessment Equivalent, and Electromagnetic Field Survey

Appendix

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Prepared for:

Los Angeles Unified School District
Office of Environmental Health and Safety
333 S. Beaudry Avenue, 21st Floor
Los Angeles, California 90017

PHASE I ENVIRONMENTAL SITE ASSESSMENT

KENNEDY HIGH SCHOOL

11254 GOTHIC AVENUE.

GRANADA HILLS, CALIFORNIA

APN: 2681-10-909/2681-10-910/2681-10-911

Prepared by:

Geosyntec consultants

engineers | scientists | innovators

2100 Main Street, Suite 150
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Project Number: HY1625

August 1, 2017

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1. INTRODUCTION

1.1 Terms of Reference

This Report documents the Phase I Environmental Site Assessment (ESA) performed by Geosyntec Consultants, Inc. (Geosyntec) for the property defined as Assessor Parcel Identification (API) 2681-010-909, 2681-010-910, and 2681-010-911 (Appendix A), located at 11254 Gothic Avenue, California (the Site). This Report was prepared by Geosyntec for the sole use of its client, Los Angeles Unified School District (LAUSD), for the purposes of assessing environmental conditions at the Site. This Report was prepared by Ms. Kylie Caesar and was peer-reviewed by Mr. Robert Kovacs, P.G., and Mr. Walt Grinyer, P.G., all of Geosyntec, in accordance with the review policy of the firm.

1.2 Overview and Purpose

Geosyntec has been retained by LAUSD to conduct a Phase I ESA of the eastern portion of the Site where the modernization of school facilities is planned for future construction hereafter referred to as the Site. The purpose of the Phase I ESA is to identify, to the extent feasible pursuant to the processes described in American Society Testing and Materials (ASTM) Standard E 1527-13, *Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process* the following:

- "Recognized Environmental Conditions" (RECs),
- historical recognized environmental conditions ("HRECs"), and/or
- controlled recognized environmental conditions ("CRECs") at the Site and potential impacts from nearby facilities.

For the purpose of this report, and as defined by ASTM Standard E1527-13, a REC is, "*… the presence or likely presence of any hazardous substance or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.*"

A HREC is "… *a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by*

a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

A CREC is a REC *"... results from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."*

1.3 Scope of Work and Limitations

Geosyntec prepared this Report in general conformance with the scope and limitations of the ASTM Standard E 1527-13, *Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process*. This Report was prepared in accordance with the scope of work, terms, and conditions described in Geosyntec's proposal dated May 26, 2017. A listing of the ASTM Standard E 1527-13 elements included and excluded from the scope of work are presented in Table 1-1. The primary Phase I ESA work tasks included:

- Site document review;
- records review;
- Site reconnaissance; and
- Interviews with Site personnel.

A description of these activities and the analysis of the data collected are presented in the remaining sections of this Report. The conclusions contained in this Report are based solely on the analysis of the conditions as observed by Geosyntec personnel and as reported by regulatory agencies and other named sources at the time the Phase I ESA process was performed. This Report is not, nor should it be construed as, a regulatory compliance audit.

Geosyntec reporting and documentation with respect to the site reconnaissance are based on observations of the Site conditions on 22 June 2017. No warranty, expressed or implied, is made regarding the professional opinions expressed in this Report or concerning the completeness of the data presented to us. If actual conditions are found

to differ from those described in this Report, or if new information regarding the Site is obtained, Geosyntec should be notified and additional recommendations, if required, will be provided. Geosyntec is not liable for any use of the information contained in this Report by persons or parties other than LAUSD.

1.4 Report Organization

The remainder of this report is organized into the following sections:

- Section 2, *Site and Vicinity Description*, provides details of the Site location, topography, background information on the regional geology and hydrogeology, School development history, and current land use;
- Section 3, *Records Review*, presents the results of environmental database searches, review of available regulatory and local agency environmental records, review of available Site documents, and a review of historical aerial photographs and topographic maps;
- Section 4, *Site Reconnaissance and Interviews*, presents a summary of environmental conditions observed during the Site reconnaissance and information obtained from Site personnel interviews;
- Section 5, *Summary of Findings and Opinions*, presents the findings and opinions of the Phase I ESA based on the results of the records review, Site reconnaissance, and interviews; and
- Section 6, *Signature and Qualifications*, presents the qualifications and signature of the environmental professional who supervised the preparation of this Report.

References, tables, figures, and appendices are included in separate sections at the end of this Report.

2. SITE AND VICINITY DESCRIPTION

2.1 General

This section provides general information regarding the Site, including:

- location;
- topography;
- geology and hydrogeology;
- Site development history; and
- current Site use.

The information presented in this section was developed based on: (i) a review of relevant reference documents; (ii) interviews and documentation provided by the property manager; (iii) information provided by LAUSD; and (iv) observations from historical topographic maps and aerial photographs. A list of documents used by Geosyntec to prepare the information presented in this section is included in the Reference section of this Report.

2.2 Site Location

The Site is located at 11254 Gothic Avenue, Granada, California, between Gothic Avenue and Woodley Avenue and south of Simonds Street. A map showing the location of the Site is presented as Figure 2-1. The Site consist of three parcels that are near rectangular with total usable lot size of approximately 27.7 acres (Figure 2-2 and Appendix A). The Site is comprised of a high school and an adult continuation high school. The Site is generally bounded to the north by Simonds Street and a high-tension power transmission easement with single and multi-family dwellings beyond, single family dwellings to the east and west and commercial shopping center to the south with San Fernando Mission Boulevard beyond (Figure 2-2).

2.3 Topography

Available topographic maps published by the United States Geologic Survey (USGS) suggest the regional topography at the Site is approximately 960 feet above mean sea level (MSL). The general topographical gradient for the Site vicinity appears to dip in a southerly direction (EDR, 2017).

2.4 Geology

The Site is located in the San Fernando Valley, which is part of the Transverse Range geomorphic province in California. The San Fernando Valley is a broad syncline that is approximately 10 miles wide by 20 miles long and lies within the western San Gabriel Mountains and the eastern Santa Monica Mountains [Bailey and Jahns 1954]. The syncline occurs in Pleistocene and Miocene sediments and is structurally deeper toward the north end of the valley. The Los Angeles Reservoir also known as Van Norman Lakes Reservoir is located approximately 1.5 miles north of the Site. Shale, sandstone and conglomerate bedrock outcrops of the Saugus Formation, Towsley Formation and Monterey Formation exist to the north.

The Site is situated near the San Fernando Fault Zone, which is a complex zone of faulting trending primarily west to east. The Mission Wells Fault is located approximately 1.5 miles north of the Site. Surface rupture was documented along this fault during the 1971 San Fernando earthquake. The Mission Hills Fault is located approximately 2,500 feet north of the Site. Faulting and folding have created a series of barriers and gaps between the Sylmar Groundwater Basin to the north of the fault and the San Fernando Groundwater Basin to the south of the fault [California State Water Rights Board 1962].

2.5 Hydrogeology

The Site is located within the San Fernando Basin, which comprises 112,000 acres of the Upper Los Angeles River Area (ULARA), [Watermaster 2001]. The basin is bounded to the east and northeast by the San Rafael Hills, Verdugo Mountains and San Gabriel Mountains. To the northwest and the west, the basin is bounded by the Santa Susana Mountains and Simi Hills and to the south by the Santa Monica Mountains. The major stream system in the basin is the Los Angeles River and its tributaries located along the southwest edge of the basin.

Based on Plate 9 of the ULARA Watermaster report dated May 2001, groundwater beneath the Site is estimated at approximately 250 feet below ground surface or greater.

2.6 Site Development History

The Site is in the area of Granada Hills located in San Fernando Valley. This area of the San Fernando Valley was historically used as farm land and orchards in the early 1900's. The city of Granada Hills was founded in 1926 as Granada and later renamed Granada Hills in 1942.

Based on available reviewed aerial photos and topographic maps the Site was used for agricultural activities until around 1952. The western half of the Site was developed as single-family residences between 1952 and 1963. The remainder of the Site was used for agricultural activities. The school was constructed within the current property limits between 1969 and 1970 (EDR, 2017).

2.7 Document Review – LAUSD Provided Documentation

2.7.1 LAUSD-Provided Documentation

Geosyntec requested copies of environmental documents, if any, and information available for the Site from LAUSD. In response to this request, LAUSD completed the User Questionnaire for the Site (Appendix B).

2.8 Current Site Use

The Site is currently used as a high school and an adult continuation high school. The school area consists of 24 permanent structures, 25 portable buildings, two baseball fields, a combination track and field/football field, five tennis courts, six basketball courts, and two parking lots.

The school property was observed to be occupied by the school during the property visit on 22 June 2017. LAUSD/City of Los Angeles has occupied the property since the 1970's.

3. RECORDS REVIEW

3.1 Record Review Approach

A records review was conducted to aid in identifying potential RECs in connection with the Site and surrounding properties. The records reviewed included a review of:

- Los Angeles Public Health Investigator
- Department of Toxic Substances Control (DTSC) records;
- City of Los Angeles Fire Department (Central) – Haz Mat Division records;
- City of Los Angeles Fire Department (Central) – Plan Check/Underground Tank Division records;
- Cal Fire – Office of the State Fire Marshal records;
- City of Los Angeles Public Works – Industrial Waste records;
- City of Los Angeles Building Department records;
- South Coast Air Quality Management District (SCAQMD) records;
- Regional Water Quality Control Board (RWQCB) – Los Angeles Region records;
- select historical aerial photographs;
- select historical topographic maps; and
- available historical Sanborn maps.

The scope of the records review for this Phase I ESA are described in the Geosyntec proposal dated 26 May 2016 and is summarized in Table 1-1. The database search results pertinent to the Site are summarized in Section 3.2. The results of other agency records requests are summarized in Sections 3.3 through 3.7.

3.2 Database Records Review

3.2.1 General

The database search report was obtained from Environmental Data Resources, Inc. (EDR) and is presented as Appendix C (EDR, 2017). The report documents findings of various governmental database searches regarding properties with known or suspected releases of hazardous materials or petroleum hydrocarbons in the vicinity of the Site. The searches were performed using the Site boundary from which the designated ASTM 1527-13 search radii for Phase I ESA searches were measured (i.e. ¼ mile, ½ mile and 1 mile

radii). A listing and description of the databases searched is included with the EDR report.

3.2.2 Site Listings

The Site was identified in the EDR database search in one database listing (EDR, 2017). The Site was listed as small quantity generator of regulated waste. The Site occupant was listed as City of Los Angeles / Los Angeles Unified School District located at 11254 Gothic Avenue, Granada Hills. No violations were reported (EDR, 2017).

The Site was listed on the HAZNET database by one occupant of the Property. The HAZNET database indicated the Site as containing household waste, waste oil, mixed oil and laboratory waste. No violations were reported (EDR, 2017). The occupants included:

- Los Angeles Sanitation was listed 2000 through 2004. Generated waste included; household waste, waste oil, mixed oil and laboratory waste.
- Los Angeles Unified School District was listed in 2000 through 2015. Waste generated included off-speciation, aged, or surplus organics and asbestos containing waste.

3.2.3 Site Vicinity Listings

Seventeen (17) off-property facilities were identified in the database search (EDR, 2017) within the 1-mile search radius. Each listing was reviewed to evaluate its potential to impact the Site and to be considered a REC. A summary of identified off-property facilities in proximity to the Site is presented in Table 3-2.

The majority of the facilities identified in the databases were listed due to their status as active or inactive handlers and/or generators of hazardous waste. Four of the 17 listings were located upgradient of the Site and 13 of the 17 listings were downgradient of the Site. For these facilities, no violations were associated with these listings. Several listings were due to drycleaner or gasoline service station site use. These facilities are listed in Table 3-2. Based on the identified information, the off-property facilities have limited potential to impact the Site.

3.2.4 EDR Orphan Facilities

No orphan sites were found.

3.3 Los Angeles County – Public Health Investigator

Geosyntec's subcontractor Environmental Support Services (ESS) has contacted Los Angeles County – Public Health Investigator requesting file information pertaining to the Site. Specifically, Mr. Samuel Kaddis, Health Investigator was contacted via email. As of the date of this Report, a response to the request has not been received. If records are identified after the issue date of this document an amendment will be prepared with the documents provided by the agency.

3.4 California Department of Toxic Substances Control (DTSC)

Geosyntec's subcontractor ESS has contacted the Cypress and Chatsworth offices of DTSC. Specifically, Ms. Johnson and Ms. Barrio with DTSC Cypress office and Mr. Glenn Castillo and Mr. Robert Hardison with DTSC Chatsworth office were contacted for file information pertaining to the Site. Ms. Johnson stated that there are no DTSC files or information concerning the Site and Mr. Hardison (Chatsworth office) informed Geosyntec that no records for the Site were found.

3.5 City of Los Angeles Fire Department (Central) – Haz Mat Division

Geosyntec's subcontractor ESS has contacted the City of Los Angeles Fire Department (Central) – Haz Mat Division requesting file information pertaining to the Site. ESS reviewed the "Certified Unified Program Agency (CUPA)- Active Hazardous Materials Inventory and CUPA- Inactive Hazardous Materials Inventory" and found that "LAUSD-Kennedy High School" at 11254 Gothic Avenue, Granada Hills, CA was listed. Their records show a Hazardous Waste and Hazardous Materials Management Program permit has been issued for the Site and that no citations have been issued for the past 5 years.

3.6 City of Los Angeles Fire Department (Central) – Plan Check/Under Ground Tank Division)

Geosyntec's subcontractor ESS has contacted City of Los Angeles Fire Department (Central) – Plan Check/Under Ground Tank Division requesting file information on records concerning the storage of hazardous materials/waste and underground storage tanks for the Site. ESS reviewed the Active CUPA Regulated Facilities, Inactive CUPA Regulated Facilities and Underground Storage Tank (UST) Historical Files Lists and found no listing of the Site.

3.7 Cal Fire – Office of the State Fire Marshal

Geosyntec's subcontractor ESS has contacted the Cal Fire – Office of the State Fire Marshal information on records concerning the storage of hazardous materials/waste pipelines and underground storage tanks for the Site. Ms. Anne Henigan, with the department, stated that there is one jurisdictional pipeline within 1,500 feet of the Site. This pipeline is Torrance Valley Pipeline M-70 (OSFM Pipeline ID 0192) and is a 16-inch crude oil pipeline. The pipeline runs North/South along Woodley Avenue and they did not have any records of spills within 1,500 feet of the Site.

3.8 City of Los Angeles Public Works – Industrial Waste

Geosyntec's subcontractor ESS has contacted Mr. Dennis Acevedo with the City of Los Angeles Public Works – Industrial Waste office for any information concerning industrial waste discharge permits or violations for the Site. The agency has responded that they did have records for the Site. Their records show an Industrial Wastewater Discharge permit has been issued for the Site and that no citations have been issued for the past 5 years.

3.9 City of Los Angeles Building Department

Geosyntec's subcontractor ESS has contacted the City of Los Angeles Building Department and requested building records for the Site. The Building Department provided available building records for the Site address. The building records for the area date back to 1905. The available records are included in Appendix D.

3.10 South Coast Air Quality Management District (SCAQMD)

Geosyntec's subcontractor ESS has contacted the SCAQMD requesting file information pertaining to the Site. Ms. Melonie Foster, with the department, informed ESS that her department did not have any records for the Site.

3.11 Regional Water Quality Control Board – Los Angeles Region

Geosyntec's subcontractor ESS has contacted the RWQCB requesting file information pertaining to the Site. Clarita Quidilla stated that her department has no records for the Site. Geosyntec has reviewed the GeoTracker database for active remediation sites listed in the Site vicinity. GeoTracker did not indicate active remediation sites in the Site vicinity.

3.12 Aerial Photograph Review

Historical aerial photographs of the Site from 1928, 1938, 1947, 1952, 1964, 1969, 1972, 1977, 1981, 1989, 1994, 2002, 2005, 2009, 2010, and 2012 were obtained from EDR (EDR, 2017). Copies of these aerial photographs are included in Appendix E. The following presents a summary of the aerial photographs reviewed:

1928: The Site appears to be used for agricultural activities including grassland and orchards. Two creeks appear to meet near the southern limit of the Site boundary.

1938: No change from 1928 image.

1947: Same as above with a farm house appearing along the northeastern boundary of the Site.

1952: Same as above with the eastern half of the Site orchards converted to row crops.

1964: The area around the Site had been redeveloped for residential housing. The Site now appears to have been subdivided with the western half of the Site converted to residential single-family dwellings and the eastern half of the Site left fallow with the farm house still present.

1969: The Site had been regraded. The residential dwelling and farm house had been removed. Residual building foundations appear to have been left over near the southwestern corner of the Site.

1972: The current school buildings and associated sport fields and parking lots appear at the Site.

1977: The Site and surrounding area appear similar to the 1972 aerial photograph.

1981: The Site and surrounding area appear similar to the 1977 aerial photograph.

1989: The Site and surrounding area appear similar to the 1981 aerial photograph.

1994: The Site and surrounding area appear similar to the 1989 aerial photograph.

2002: The Site and surrounding area appear similar to the 1994 aerial photograph with additions of a new structure along the eastern boundary of the Site.

2005: The Site and surrounding area appear similar to the 2002 aerial photograph with two new structures near the center and north boundary of the Site.

2009: The Site and surrounding area appear similar to the 2005 aerial photograph.

2010: The Site and surrounding area appear similar to the 2009 aerial photograph.

2012: The Site and surrounding area appear similar to the 2010 aerial photograph.

3.13 Topographic Map Review

Historical USGS topographic maps were obtained from EDR from 1900, 1903, 1927, 1928, 1940, 1941, 1943, 1945, 1947, 1952, 1953, 1966, 1969, 1972, 1988, 1995, and 2012 (EDR, 2017). A copy of these USGS topographic maps is included in Appendix F. The following presents a summary of the USGS topographic maps reviewed:

1900/1903: The approximate location of the Site was identified. The Site and its vicinity appear largely undeveloped with the exception of sparse roads and structures. Two creeks appear to meet near the southern limit of the Site boundary.

1927/1927: The Site and surrounding structures are visible. There are two new structures on the Site and increased commercial and industrial development (e.g., greater number of structures, roads, etc.) is visible in the larger Site vicinity. The San Fernando Reservoir is now visible to the north.

1940/1941: The Site now appears to contain no structures. Further increase in commercial, industrial, and residential development in the larger Site vicinity.

1943/1945: The Site appears similar to the 1941 topographic map.

1947: The Site now contains two structures to the northwest of the site. The larger Site vicinity appears similar to the 1945 topographic map.

1952/1953: The Site now contains three buildings with the largest located to the northeast of the site. Increased commercial/industrial development (e.g., greater number of structures, roads, etc.) is visible in the larger Site vicinity.

1966/1969: The Site now contains one structure located in the northeast of the site. Two larger structures appear directly south of the Site. Residential housing track appear

west of the creek. Increased commercial/industrial development (e.g., greater number of structures, roads, etc.) is visible in the larger Site vicinity.

1972: The Site now contains two buildings being larger than in previous topographic maps. The Site is now recognized as a school and is labeled "J F K High School." Increased commercial/industrial development (e.g., greater number of structures, roads, etc.) are visible in the larger Site vicinity.

1988: Two new field outlines are now visible within the Site boundaries. The Site appears similar to the 1972 topographic map.

1995: The Site appears similar to the 1988 topographic map.

2012: Structures are no longer visible on this version of the map.

3.14 Sanborn Map Review

A Historical Sanborn Map Report was ordered from EDR who searched the complete holdings of the Sanborn Library LLC collection. There were no fire insurance maps covering the Site found. This evaluation is supported by material in Appendix G.

3.15 Environmental School Checklist

Based on the available maps and records for the Site, Geosyntec completed the LAUSD-OEHS Environmental School Checklist (Appendix H). The following comments were noted on the Checklist.

- There is a high-voltage transmission corridor located approximately 100 feet north of the site boundary.
- The site is located over confluence of two creeks.
- There is a cell tower approximately 155 feet south of the site boundary.
- There is a 16-inch crude oil pipeline located along Woodley Avenue along the eastern site boundary.

Available Department of Oil, Gas and Geothermal Resources and Seismic Hazard Zones map are included in Appendix I. The school site is outside the seismic hazard zones indicated on the San Fernando Quadrangle Seismic Hazard Zones Map.

4. SITE RECONNAISSANCE AND INTERVIEWS

4.1 Approach

Geosyntec performed a Site reconnaissance and interviewed the LAUSD Environmental Assessment Coordinator, Mr. Andrew Modugno, to assess present Site conditions and to identify and evaluate evidence of potential RECs at the Site. During the Site reconnaissance, Mr. Modugno accompanied Geosyntec. The Site reconnaissance was performed on 22 June 2017 and was documented using photographs (Appendix J). Figure 2-2 shows the approximate locations of specific features identified during the Site reconnaissance.

In preparation for the Site reconnaissance, Geosyntec reviewed available environmental documents (see Section 3) to obtain information indicating potential RECs in connection with the Site. In addition, Mr. Modugno provided information on past and current Site operations.

4.2 General

The Site is comprised of a high school, an adult continuation school, and surrounding asphalt-paved parking lots, with a total lot size of approximately 27.4 acres. The school area consists of 24 permanent structures, 25 portable buildings, two baseball fields, a combination track and field/football field, five tennis courts, six basketball courts, and two parking lots. The buildings are one story slab on grade buildings with an exception of (2) two-story buildings located in the western portion of the site.

The Site is bordered by Simonds Street to the north, Gothic Avenue to the West, Woodley Avenue to the east and the southern side of the Site is bordered by Donmetz Street as well as commercial properties. The surface topography of the Site was observed to be generally flat. The Site includes a below-grade waterway that connects to the Van Norman Lakes Reservoir to the Los Angeles River. Primary access to the Site is from Gothic Avenue to the west of the Site.

4.3 Site Features

During the Site reconnaissance, Geosyntec observed minor storage and/or use of hazardous substances, chemicals, or petroleum products, in addition to small container-sized quantities of household items. Site features are detailed below:

- Paint – approximately 50 one-gallon cans of latex paint inside the school storage shed used for maintenance;

- Assorted Janitorial Cleaning Fluids – small quantities of Windex (less than five gallons each) in the buildings, small quantities of bleach (less than five gallons each) in the buildings, and larger volumes of Super Polymer 85 Hard Floor Care (approximately 20 five-gallon buckets);

- Bactericide Fluids – approximately 20 five-gallon buckets of Chemquest 215 a microbial bactericide, fungicide was observed in the chilled water generating plant area of the Site;

- During Site visit based on the warning labels posted on the pipelines, asbestos containing insulation materials were encountered over chilled water pipelines;

- Diesel-fueled generator – one diesel-fueled generator with an integrated fuel tanks was located in the north-central portion of the Site. No major stains were observed around the generator;

- Cooling Plant – portable cooling plant units were observed adjacent to the backup generator;

- Storage Containers – located around school buildings on the exterior, five secured metal storage containers were observed. The storage containers are used for school supplies and paper goods;

- Clarifier – located north side of the school building close to Simmons Street. No major stains were observed around the clarifier;

- Transformer – one pad-mounted transformer located in the south-central portion of the campus. No major stains were observed around the transformer;

- Borings – several backfilled boreholes were observed throughout the Site. Borings were reportedly completed by geotechnical consultant as part of preliminary geotechnical site investigation.

Evidence of minor water leaks and spills were observed during the Site reconnaissance in the chilled water generation plant (Appendix J).

4.4 Hazardous Substance Containers

Small quantities of cleaning and microbial bactericide chemicals described above in Section 4.3 were observed to be stored either inside the building and in the metal storage container located just outside of the school building. The materials were observed to be within the original manufacturers' containers, which were observed to be in good condition and no evidence of a release or a threatened release was observed.

4.5 Storage Tanks

No evidence of existing or former aboveground or underground storage tanks was observed at the Site during the site reconnaissance.

4.6 Polychlorinated Biphenyls

One pad-mounted transformer was observed outside the school building (shown on Figure 2-2). The transformers and exterior of the electrical equipment appeared to be in good operating condition. Based on the age of the building, it is unlikely that the transformer contained polychlorinated biphenyls.

4.7 Pesticides

No evidence of the storage or use of pesticides was observed at the Site during the site reconnaissance.

4.8 Solid Waste

A trash storage area was observed during the site reconnaissance. The area was located in the northern portion of the site and was comprised of multiple dumpsters.

4.9 Septic Tanks

No evidence of a septic tank was observed on the Site during the site reconnaissance. The Site is connected to the city sewer system.

4.10 Drainage Culverts

Asphalt and concrete cover at the Site drains by a combination of sheet flow and storm drains. The Site is located over two creeks. The creeks are channeled under the Site in

enclosed culverts. No evidence of a hazardous material release or significant staining was observed on the asphalt and concrete surface covers.

4.11 Sumps and Wells

No evidence of sumps or wells were observed during the Site reconnaissance.

4.12 Interior Observations

The main access to the campus is through an administration building located in the western portion of the Site. The school building was constructed slab on grade two story with stair and elevator access to second floors. The ground and second floors consisted of office space, class rooms, electrical room, storage room and restrooms. There were janitorial storage areas and electrical rooms containing electrical panels observed on each floor. Each floor contained restrooms.

4.13 Exterior Observations

No evidence of pits, ponds, or lagoons were observed at the Site. As described in Section 4.10 the site is located at the confluence of two creeks. The creeks are channeled under the Site in enclosed culverts.

No evidence of stressed vegetation or stained soil were observed at the Site during the Site reconnaissance. Employee vehicles were parked on the property in the asphalt-paved parking lots located north of the buildings. These parking areas were observed to be reasonably well maintained, although some areas showed evidence of minor surface distress (e.g., cracking, subsidence/settlement). No evidence of significant leaks or spills related to vehicular use/parking was observed at the property during the Site reconnaissance.

4.14 Interviews

Mr. Modugno answered questions regarding the history of the Site during the Site reconnaissance on 22 June 2017. The questions asked were similar to the ones asked in the questionnaire. Mr. Modugno also completed a questionnaire regarding the Site history (Appendix B). Mr. Modugno did not provide any information regarding potential RECs at the Site. However, he indicated that there are high voltage lines to the North of the Site, a creek channel that runs under the Site, and that the Site is in a moderate-risk radon zone. California Geological Survey Radon Potential map is included in Appendix K.

5. SUMMARY OF FINDINGS AND OPINIONS

Geosyntec has performed a Phase I ESA of the property located at 11254 Gothic Avenue, Granada Hills, California. Geosyntec performed the Phase I ESA in general accordance with the scope and limitations of the ASTM Phase I Practice and Geosyntec's scope of work. This assessment identify one RECs in connection with the Site, as defined by ASTM 1527-13. The REC included the following:

- During Site visit based on the warning labels posted on the pipelines, asbestos containing insulation materials were encountered over chilled water pipelines.

The following presents a summary of additional Phase I ESA findings:

- Occupants of the Site ranging from 1928 to present included: agricultural operations, single family dwellings, which were succeeded by LAUSD operations.

- The Site was listed on the HAZNET database for small quantity waste generation by LAUSD. No violations were reported (EDR, 2017). No visual observations of spills or leaks were observed in conjunction with these listings.

- Storage or use of hazardous substances or petroleum products observed at the Site during the Site reconnaissance included approximately 50 one-gallon can of latex paint located in the storage shed. The school building floors contained small quantities (generally less than five gallons) of household cleaning chemicals such as Windex, Super Polymer 85 Hard Floor Care. The materials were observed to be within the original manufacturers' containers, which were observed to be in good condition and no evidence of a release or a threatened release was observed.

- Diesel backup generator is present at Site, the diesel fuel tank should be periodically inspected for leaks and spills.

- A review of historical aerial photographs and topographical maps indicate that the Site has been developed for agricultural use since early 1920s and likely utilized for agricultural purposes prior to the 1920s (and likely earlier). Between 1952 and 1962 the western part of the Site was developed for single family housing. By 1969 the western part of the Site was cleared and the school was constructed between 1969 and 1972. Lead based paint use was banned in the United States

between 1971 and 1978. The school buildings built in 1971 are considered to be a HREC due to potential historic use of lead based paint and asbestos.

- Based on California Geological Survey Radon Potential Zones map the Site is in moderate risk radon zone. The map is included in Appendix K.

6. SIGNATURE AND QUALIFICATIONS

This Phase I ESA (Report) was prepared in general conformance with the scope and limitations of the ASTM *Standard E 1527-13, Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process*. This Report was prepared in accordance with the scope of work, terms, and conditions described in Geosyntec's proposal dated 26 May 2017. A listing of the ASTM Standard E 1527-013 elements included and excluded from the scope of work is presented in Table 1-1.

The conclusions contained in this Report are based solely on the analysis of the conditions as observed by Geosyntec personnel and as reported by regulatory agencies and other named sources at the time the Phase I ESA process was performed. This Report is not, nor should it be construed as, a regulatory compliance audit. Geosyntec reporting and documentation with respect to the Site reconnaissance are based on observations of the Site conditions on 22 June 2017.

No warranty, expressed or implied, is made regarding the professional opinions expressed in this Report or concerning the completeness of the data presented to us. If actual conditions are found to differ from those described in this Report, or if new information regarding the Site is obtained, Geosyntec should be notified and additional recommendations, if required, will be provided. Geosyntec is not liable for any use of the information contained in this Report by persons or parties other than LAUSD.

I declare that, to the best of my professional knowledge and belief, I meet the definition of *environmental professional* as defined in §312.10 of 40 CFR 312.

Robert Kovacs

SIGNATURE

Robert Kovacs
NAME

Senior Geologist
TITLE

8/1/2017
DATE

7. REFERENCES

Bailey, T., and R.H. Jahns. Geology of Southern California: Transverse Range Province, Bulletin 170, Department of Natural Resources, Division of Mines, page 85.

California State Water Rights Board. 1962. Report of Referee: The City of Los Angeles vs. City of San Fernando et al. Bulletin 118

California Department of Toxic Substances Control, EnviroStor Website (EnviroStor), 2014. Website accessed 18 February 2014.

California State Water Resources Control Board, GeoTracker Website (GeoTracker), 2014. Website accessed 18 February 2014.

California Geological Survey, 2017, Indoor Radon Potential Map http://maps.conservation.ca.gov/cgs/radon.

Environmental Data Resources, Inc. (EDR), 2017 11254 Gothic Avenue, Granada Hills, CA, Inquiry Number: 4971797.2s. 20 June 2017.

Upper Los Angeles River Area Watermaster. 2001. Watermaster Service in the Upper Los Angeles River Area Los Angeles County California for 1999 to 2000 Water Year. May 2001

TABLES

TABLE 1-1

DETAILED SCOPE ELEMENTS PER ASTM E-1527-05
PHASE I ENVIRONMENTAL SITE ASSESSMENT
11254 GOTHIC AVENUE, GRANADA HILLS, CALIFORNIA
(July 2017)

SCOPE ELEMENT	ASTM E-1527-05 Reference	INCLUDED
RECORDS REVIEW	**8.0**	**- -**
Standard Environmental Record Sources (radii of search 0.5/1.0 miles)	**8.2.1**	**- -**
Federal NPL site list	8.2.1	Yes
Federal Delisted NPL site list	8.2.1	Yes
Federal CERCLIS list	8.2.1	Yes
Federal CERCLIS NFRAP site list	8.2.1	Yes
Federal RCRA CORRACTS facilities list	8.2.1	Yes
Federal RCRA non-CORRACTS TSD facilities list	8.2.1	Yes
Federal RCRA generators list	8.2.1	Yes
Federal institutional control/engineering control registries	8.2.1	Yes
Federal ERNS list	8.2.1	Yes
State and tribal lists of hazardous waste sites identified for investigation or remediation: State- and tribal-equivalent NPL	8.2.1	Yes
State and tribal lists of hazardous waste sites identified for investigation or remediation: State- and tribal-equivalent CERCLIS	8.2.1	Yes
State and tribal landfill and/or solid waste disposal site lists	8.2.1	Yes
State and tribal leaking storage tank lists	8.2.1	Yes
State and tribal registered storage tank lists	8.2.1	Yes
State and tribal institutional control/engineering control registries	8.2.1	Yes
State and tribal voluntary cleanup sites	8.2.1	Yes
State and tribal Brownfield sites	8.2.1	Yes
Additional Environmental Record Sources	**8.2.2**	**- -**
Types of Records	8.2.2	- -
Local Brownfield Lists	8.2.2	Yes
Local Lists of Landfill/Solid Waste Disposal Sites	8.2.2	Yes
Local Lists of Hazardous Waste/Contaminated Sites	8.2.2	Yes
Local Lists of Registered Storage Tanks	8.2.2	Yes
Local Land Records (for activity and use limitations)	8.2.2	No
Records of Emergency Release Reports (42 U.S.C. 11004)	8.2.2	No
Records of Contaminated Public Wells	8.2.2	No

SCOPE ELEMENT	ASTM E-1527-05 Reference	INCLUDED
Sources	8.2.2	- -
Department of Health/Environmental Division	8.2.2	Yes
City Fire Department	8.2.2	Yes
Planning Department	8.2.2	No
Building Permit/Inspection Department	8.2.2	No
Local/Regional Pollution Control Agency	8.2.2	No
Local/Regional Water Quality Agency	8.2.2	No
Local Electric Utility Companies (for records relating to PCBs)	8.2.2	No
Physical Setting Sources	**8.2.3**	**- -**
Mandatory Standard Physical Setting Source	8.2.3	- -
USGS – Current 7.5 Minute Topographic Map (or equivalent)	8.2.3	Yes
Discretionary and Non-Standard Physical Setting Sources	8.2.3	- -
USGS and/or State Geological Survey – Groundwater Maps	8.2.3	No
USGS and/or State Geological Survey – Bedrock Geology Maps	8.2.3	No
USGS and/or State Geological Survey – Surficial Geology Maps	8.2.3	No
Soil Conservation Service – Soil Maps	8.2.3	No
Other Physical Setting Sources that are reasonably credible	8.2.3	No
Standard Historical Sources	**8.3.4**	**- -**
Aerial Photographs (review of one source of air photo)	8.3.4.1	Yes
Fire Insurance Maps (such as Sanborn maps)	8.3.4.2	Yes
Property Tax Files	8.3.4.3	No
Recorded Land Title Records	8.3.4.4	No
USGS Topographic Maps (other than requirement of 8.2.3)	8.3.4.5	No
Local Street Directories	8.3.4.6	Yes
Building Department Records	8.3.4.7	No
Zoning/Land Use Records	8.3.4.8	No
Other Historical Sources	8.3.4.9	No
SITE RECONNAISSANCE	**9.0**	- -
General Site Setting	**9.4.1**	**- -**
Current Use(s) of the Property	9.4.1.1	Yes
Past Use(s) of the Property	9.4.1.2	Yes
Current Uses of Adjoining Properties	9.4.1.3	Yes
Past Uses of Adjoining Properties	9.4.1.4	Yes
Current or Past Uses in the Surrounding Area	9.4.1.5	Yes
Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions	9.4.1.6	Yes
General Description of Structures	9.4.1.7	Yes
Roads	9.4.1.8	Yes
Potable Water Supply	9.4.1.9	Yes
Sewage Disposal System	9.4.1.10	Yes

SCOPE ELEMENT	ASTM E-1527-05 Reference	INCLUDED
Interior and Exterior Observations	**9.4.2**	**- -**
Current Use(s) of the Property	9.4.2.1	Yes
Past Use(s) of the Property	9.4.2.2	Yes
Hazardous Substances and Petroleum Products in Connection with Identified Uses	9.4.2.3	Yes
Storage Tanks	9.4.2.4	Yes
Odors	9.4.2.5	Yes
Pools of Liquid	9.4.2.6	Yes
Drums	9.4.2.7	Yes
Hazardous Substance and Petroleum Products Containers (not necessarily in connection with identified uses)	9.4.2.8	Yes
Unidentified Substance Containers	9.4.2.9	Yes
PCBs	9.4.2.10	Yes
Interior Observations	**9.4.3**	**- -**
Heating/Cooling	9.4.3.1	Yes
Stains or Corrosion	9.4.3.2	Yes
Drains and Sumps	9.4.3.3	Yes
Exterior Observations	**9.4.4**	**- -**
Pits, Ponds or Lagoons	9.4.4.1	Yes
Stained Soil or Pavement	9.4.4.2	Yes
Stressed Vegetation	9.4.4.3	Yes
Solid Waste	9.4.4.4	Yes
Waste Water	9.4.4.5	Yes
Wells	9.4.4.6	Yes
Septic Systems	9.4.4.7	Yes
INTERVIEWS WITH (PAST AND) PRESENT OWNERS AND OCCUPANTS	**10.0**	**YES**
INTERVIEWS WITH STATE AND/OR LOCAL GOVERNMENT OFFICIALS	**11.0**	**- -**
State and/or Local Agency Officials	**11.5.1**	**- -**
Local Fire Department that Serves the Property	11.5.1.1	No
State and/or Local Health Agency or Local/Regional Office of State Health Agency Serving the Area in Which the Property is Located	11.5.1.2	No
State and/or Local Agency or Local/Regional Office of State Agency having Jurisdiction over Hazardous Waste Disposal or Other Environmental Matters in the Area in which the Property is Located	11.5.1.3	No
Local Agencies Responsible for the Issuance of Building Permits or Groundwater Use Permits that Document the Presence of AULs which may Identify a Recognized Environmental Condition in the Area in which the Property is Located.	11.5.1.4	No
EVALUATION AND REPORT PREPARATION	**12.0**	**YES**
NON-SCOPE CONSIDERATIONS	**13.0**	**- -**
Asbestos-Containing Building Materials	13.1.5.1	No
Radon	13.1.5.2	Yes
Lead-Based Paint	13.1.5.3	No
Lead in Drinking Water	13.1.5.4	No

SCOPE ELEMENT	ASTM E-1527-05 Reference	INCLUDED
Wetlands	13.1.5.5	No
Regulatory Compliance	13.1.5.6	No
Cultural and Historical Resources	13.1.5.7	No
Industrial Hygiene	13.1.5.8	No
Health and Safety	13.1.5.9	No
Ecological Resources	13.1.5.10	No
Endangered Species	13.1.5.11	No
Indoor Air Quality	13.1.5.12	No
Biological Agents	13.1.5.13	No
Mold	13.1.5.14	No

Table 3-1
Identified On-Site Facilities from EDR Database
11254 Gothic Avenue, Granada Hills, California

Geosyntec consultants

TENANT/COMPANY	ADDRESS	DATABASE ACRONYMS	RATIONALE / STATUS
CITY OF LA / BUREAU	11254 GOTHIC AVE	HAZNET	Generated manifested waste . Wastes generated included household waste, waste oil and mixed oil, laboratory waste chemicals.
CITY OF LOS ANGELES	11254 GOTHIC AVE	HAZNET	Small quantity generator. No violations on record.
LAUSD KENNEDY HIGH SCHOOL	11254 GOTHIC AVE	RCRA-SQG, FINDS, ECHO	Small quantity generator. No violations on record.
CITY OF LOS ANGELES	11254 GOTHIC AVE	HAZNET	Small quantity generator. No violations on record.
CITY OF LOS ANGELES	11254 GOTHIC AVE	HAZNET	Small quantity generator. No violations on record.
LAUSD/ KENNEDY HS	11254 GOTHIC AVE	HAZNET	Small quantity generator. No violations on record.

Notes:
HAZNET Hazardous Waste Information System
RCRA-SQG
FINDS
ECHO

Table 3-2
Identified Off-Site Facilities From EDR Database
11254 Gothic Avenue, Granada Hills, California

Geosyntec consultants

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DISTANCE (FT.)/ DIRECTION	STATUS
B7	ADDAMS CONTINUATION	16341 DONMETZ ST	FINDS, ECHO	Lower	3, 0.001,	No violations reported
B8	LAUSD/ ADDAMS CONTINUATION	16341 DONMETZ ST	HAZNET	Lower	3, 0.001,	Generated manifested waste . Wastes generated included organic soils and asbestos containing waste.
B9	ADDAMS CONTINUATION	16341 DONMETZ ST	RCRA-LQG	Lower	3, 0.001,	Large quantity generator. Lead waste.
10	ACTION RS INC	11315 GOTHIC AVE	EDR Hist Auto	Higher	91, 0.017, NW	Engine repair shop
11	WOODLEY 1 HOUR PHOTO	11139 WOODLEY AVE	RCRA-SQG, FINDS, ECHO	Lower	188, 0.036, SE	Small quantity generator. No violations on record.
12	FEARLESS 5 INC	11247 DEBRA AVE	EDR Hist Auto	Higher	227, 0.043, West	Gasoline service station
13	IN TUNE CYCLES INC	11415 COLLETT AVE	EDR Hist Auto	Higher	540, 0.102, NE	Automotive repair station.
14	VICTORS CHEVRON	16455 MCKEEVER ST	EDR Hist Auto	Higher	558, 0.106, West	Gasoline service station
C15	GRANADA HILLS CLEANE	16285 SAN FERNANDO M	EDR Hist Cleaner	Lower	558, 0.106, SSE	Drycleaner
C16	GRANADA HILLS CLEANE	16285 SAN FERNANDO M	DRYCLEANERS, HAZNET	Lower	558, 0.106, SSE	Drycleaner. Generated manifested waste. Waste included halogenated compounds.
C17	GRANADA HILLS CLEANE	16285 SAN FERNANDO M	DRYCLEANERS	Lower	558, 0.106, SSE	Drycleaner
C18	GRANADA HILLS CLEANE	16233 SAN FERNANDO R	RCRA-SQG, FINDS, ECHO, EMI, LA Co. Site Mitigation	Lower	576, 0.109, SSE	Drycleaner, small quantity generator. No violations on record.
C19	SHANE CLEANERS INC	16233 SAN FRNNDO MSS	EDR Hist Cleaner	Lower	576, 0.109, SSE	Drycleaner
D20	MY CLEANERS	16159 S F MISSION	EDR Hist Cleaner	Lower	660, 0.125, SE	Drycleaner
D21	ASATOUR TERZIAN DBA	16156 SAN FERNANDO M	SWEEPS UST, CA FID UST, DRYCLEANERS	Lower	741, 0.140, SE	Drycleaner
D22	GRANADA HILLS TRANSM	11050 WOODLEY AVE #F	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	845, 0.160, SE	Small quantity generator. Waste generated includes, benzene and chlorinated solvents. No violations on record.
D23	H AND R AUTOMOTIVE	11050 WOODLEY AVE UN	RCRA-SQG, FINDS, ECHO	Lower	845, 0.160, SE	Small quantity generator. No violations on record.

Notes:

CA FID UST	California Facility Inventory Database for Underground Storage Tanks
EDR	Environmental Data Resources, Inc
EMI	Emissions Inventory Data
ENE	east-northeast
ENVIROSTOR	The Department of Toxic Substances Control's Site Mitigation and Brownfields Reuse Program's database
FINDS	Facility Index System/Facility Registry System
HAZNET	Hazardous Waste Information System
HIST CORTESI	Historical Hazardous Waste and Substances Site List
HIST UST	Historical Underground Storage Tank
LAT.	latitude
LONG.	longitude
LUST	Leaking Underground Storage Tank
NE	northeast
NNE	north-northeast
NNW	north-northwest
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
NW	northwest
PRP	Potentially Responsible Party
RAATS	Resource Conservation and Recovery Act Administrative Action Tracking System
RCRA NonGen/NLF	Resource Conservation and Recovery Act-Non Generator
RCRA-LQG	Resource Conservation and Recovery Act-Large Quantity Generator
RCRA-SQG	Resource Conservation and Recovery Act-Small Quantity Generator
RCRA-TSDF	Resource Conservation and Recovery Act-Toxic Substances Disposal Facility
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank
ROD	Record of Decision
SE	southeast
SSE	south-southeast
SWEEPS	Statewide Environmental Evaluation and Planning System
UST	Underground Storage Tank
WNW	west-northwest

Table 3-3
Orphan Facilities Summary
11254 Gothic Avenue, Granada Hills, California

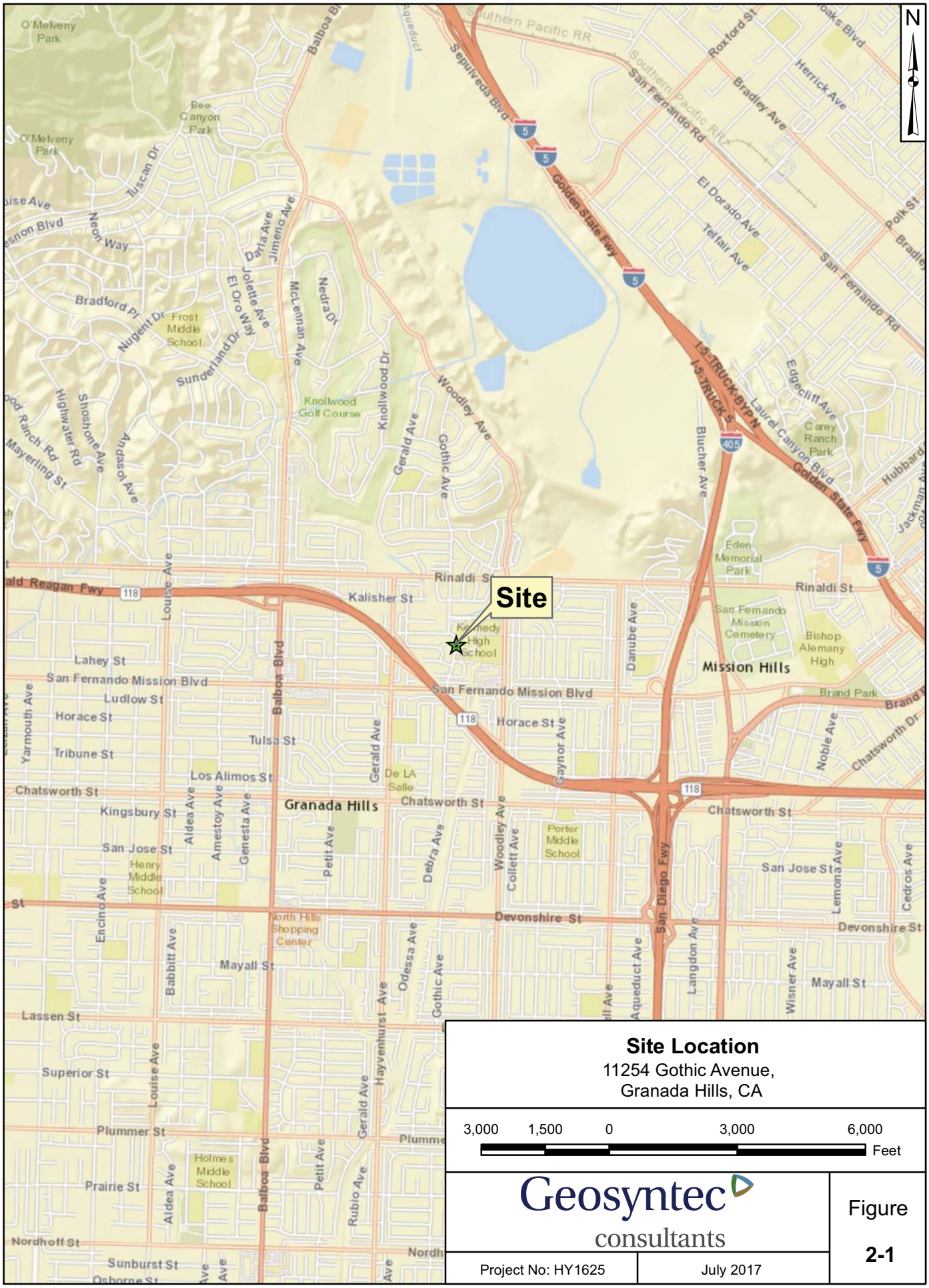
Geosyntec consultants

SOURCE	EDR ID	SITE NAME	ADDRESS	DATABASE ACRONYM	STATUS
EDR	NA	NA	NA	NA	No Sites were identified

Notes:

EDR	Environmental Data Resources, Inc
NA	Not Applicable

FIGURES



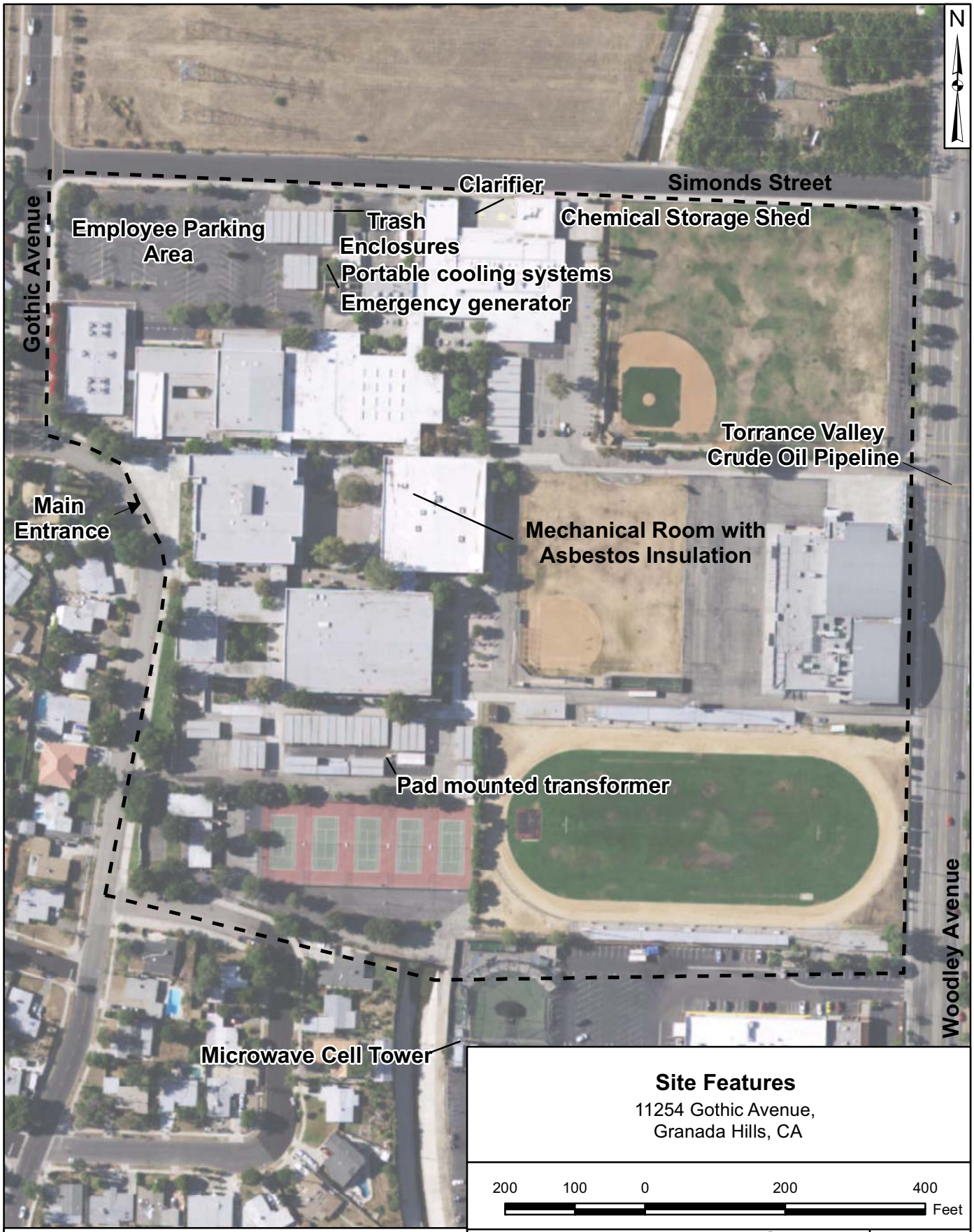
Site Location
11254 Gothic Avenue,
Granada Hills, CA

Geosyntec consultants

Project No: HY1625 | July 2017

Figure 2-1

S:\GIS\HY1625\Project\SiteMap.mxd cc 7/18/2017



Site Features

11254 Gothic Avenue,
Granada Hills, CA

200 100 0 200 400 Feet

Legend

Site Boundary

Crude Oil Pipeline

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Geosyntec consultants

Project No: HY1625 | July 2017

Figure 2-2

S:\GIS\HY1625\Project\SiteFeatures.mxd cc 7/19/2017

APPENDIX A

ASSESSOR INFORMATION

Parcel Details

- Property records are kept at the North District Office
- How frequently is this site updated?
  (and other FAQs)

Property Information

Assessor's ID No:	2681-010-909
Address:	11254 GOTHIC AVE LOS ANGELES CA 91344
Property Type:	Other
Region / Cluster:	02 / 02900
Tax Rate Area (TRA):	00016

- View Assessor Map
- View Index map

Recent Sales Information

Latest Sale Date:

Indicated Sale Price:

Search for Recent Sales

2016 Roll Values

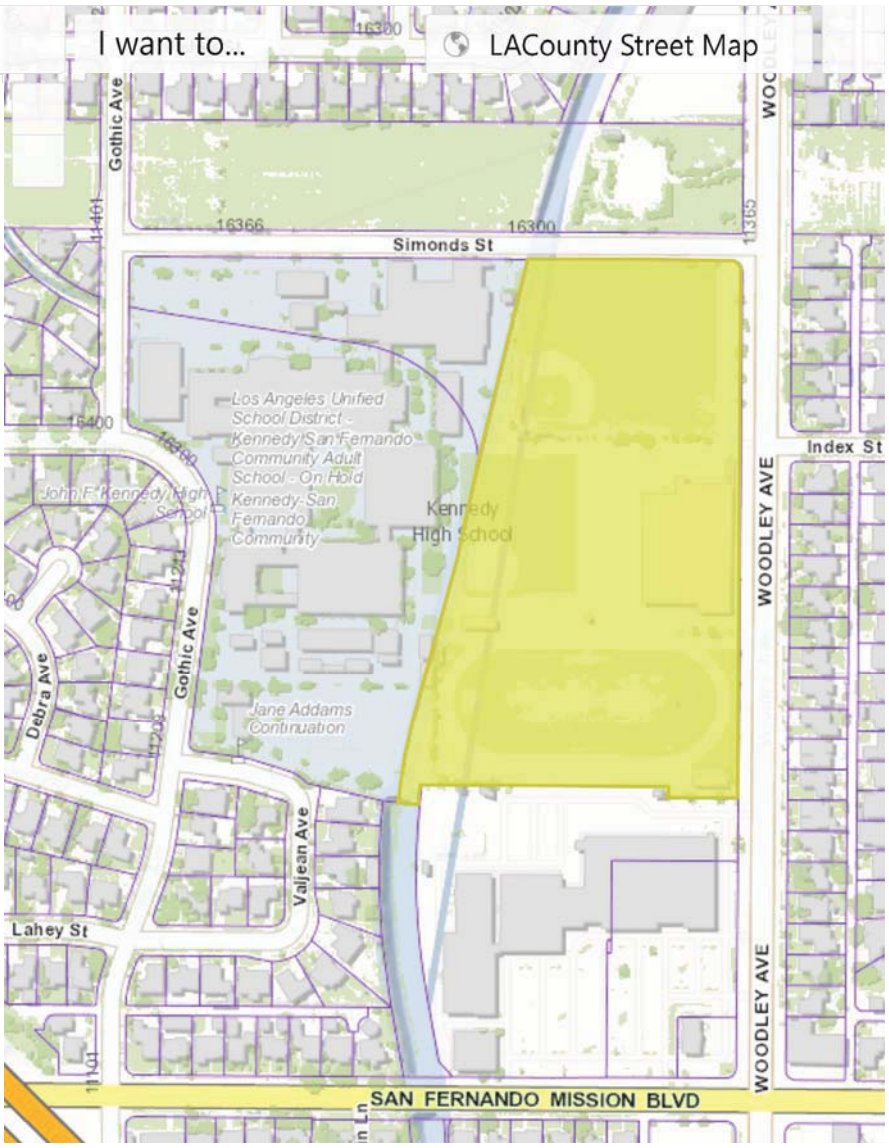
Recording Date:	00/00/1972
Land:	$0
Improvements:	$0
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0
Personal Property Exemption:	$0
Fixture Exemptions:	$0

- 2016 Annual taxes
- Property tax payment FAQs
- Estimate supplemental taxes

Property Boundary Description

TRACT NO 23563 LOT 1

Building Description



Parcel Details

- Property records are kept at the North District Office
- How frequently is this site updated? (and other FAQs)

Property Information

Assessor's ID No:	2681-010-910
Address:	11254 GOTHIC AVE LOS ANGELES CA 91344
Property Type:	Other
Region / Cluster:	02 / 02900
Tax Rate Area (TRA):	00016

- View Assessor Map
- View Index map

Recent Sales Information

Latest Sale Date:

Indicated Sale Price:

Search for Recent Sales

2016 Roll Values

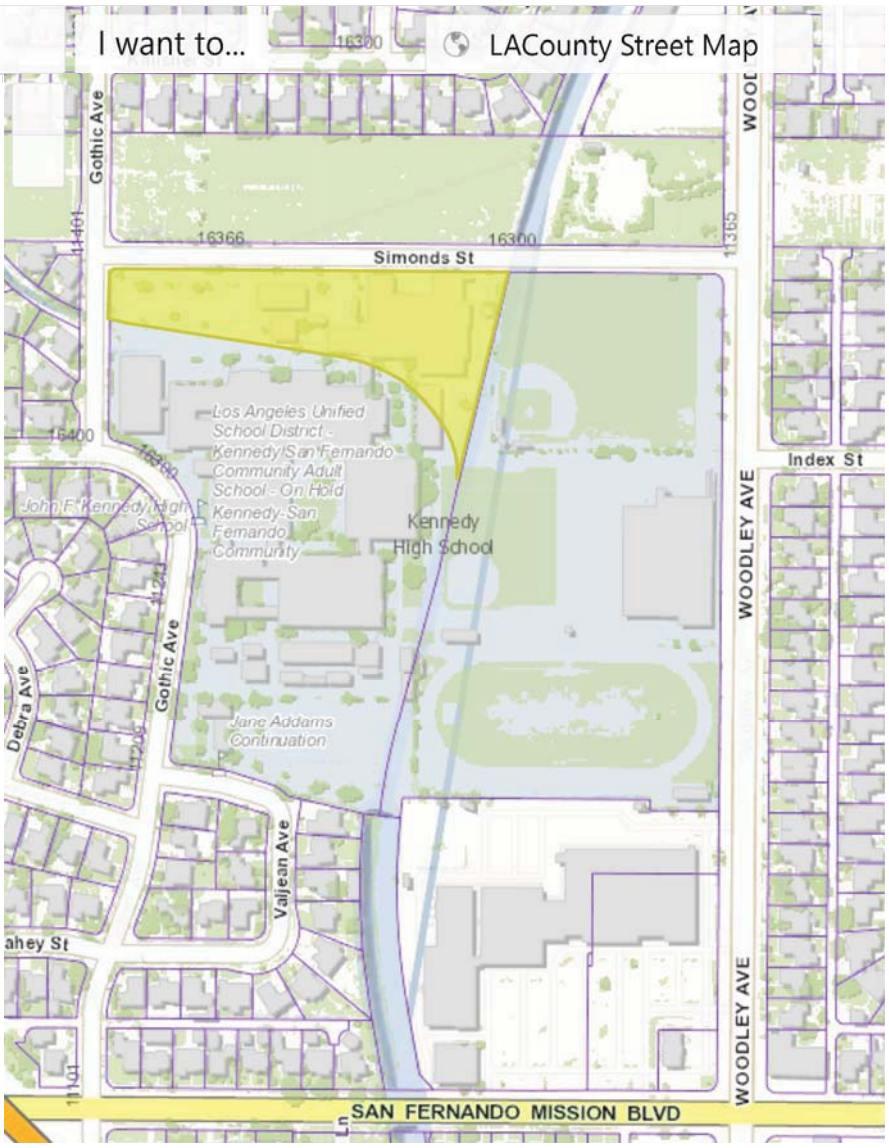
Recording Date:	00/00/1972
Land:	$0
Improvements:	$0
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0
Personal Property Exemption:	$0
Fixture Exemptions:	$0

- 2016 Annual taxes
- Property tax payment FAQs
- Estimate supplemental taxes

Property Boundary Description

TRACT NO 23563 LOT 2

Building Description



Parcel Details

- Property records are kept at the North District Office
- How frequently is this site updated? (and other FAQs)

Property Information

Assessor's ID No:	2681-010-911
Address:	11254 GOTHIC AVE LOS ANGELES CA 91344
Property Type:	Other
Region / Cluster:	02 / 02900
Tax Rate Area (TRA):	00016

- View Assessor Map
- View Index map

Recent Sales Information

Latest Sale Date:

Indicated Sale Price:

Search for Recent Sales

2016 Roll Values

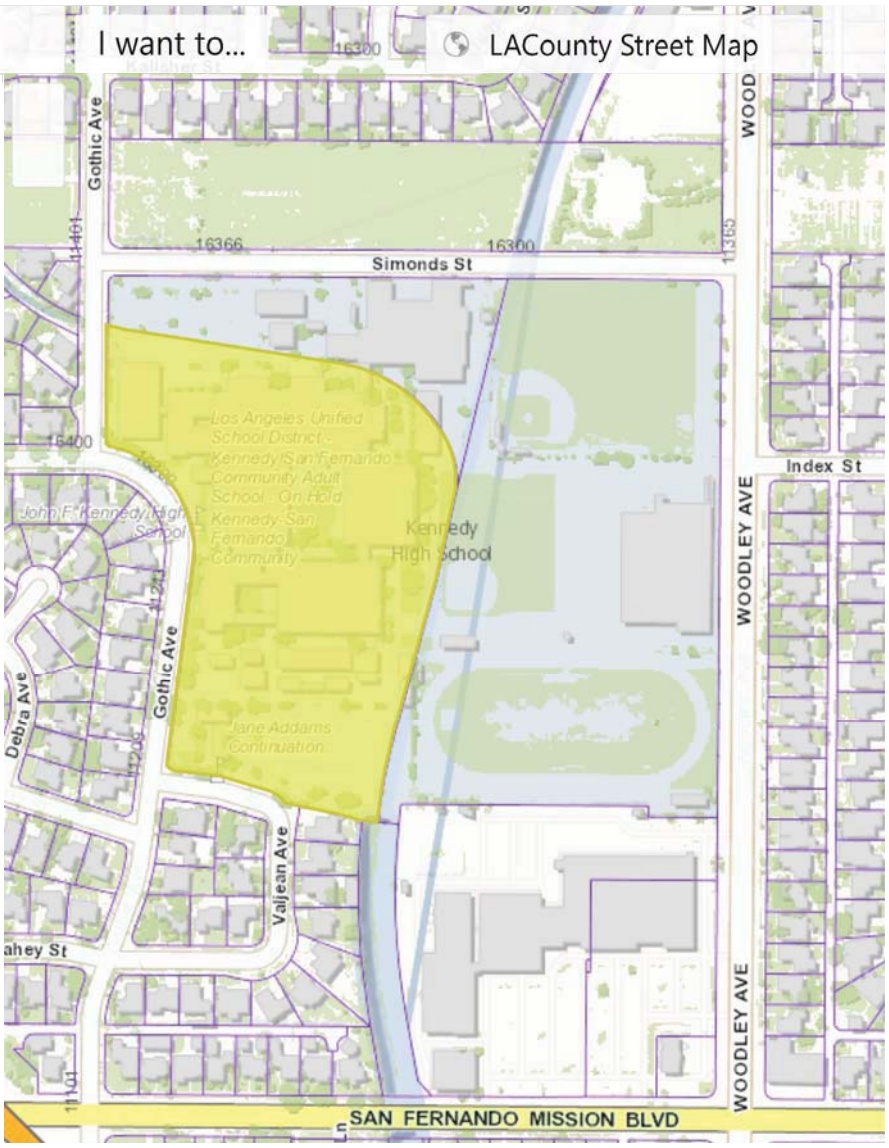
Recording Date:	00/00/1972
Land:	$0
Improvements:	$0
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0
Personal Property Exemption:	$0
Fixture Exemptions:	$0

- 2016 Annual taxes
- Property tax payment FAQs
- Estimate supplemental taxes

Property Boundary Description

TRACT NO 23563 LOT 3

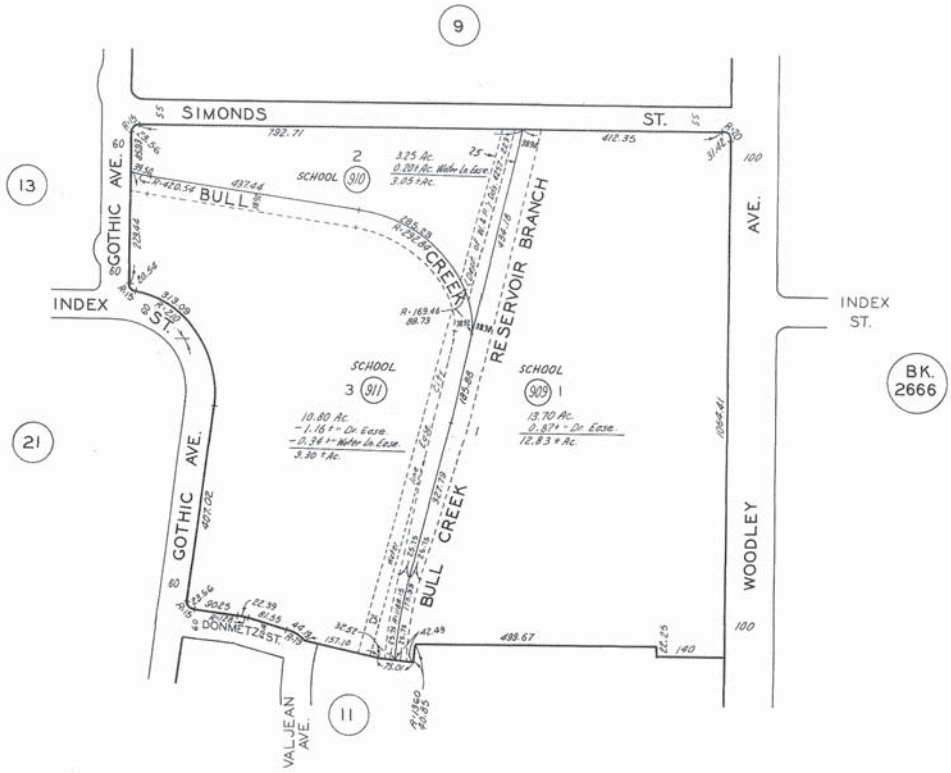
Building Description



2681	10
SCALE 1" = 200'	

1996

711221620
720201
710920054
960925030030Q3-B1



CODE
16

FOR PREV. ASSM'T SEE:
2681 - 10 TO 13, 22, & 23

TRACT NO. 23563 M.B. 812 - 60 - 62

ASSESSOR'S MAP
COUNTY OF LOS ANGELES, CALIF.

SCALE 1" = 400'

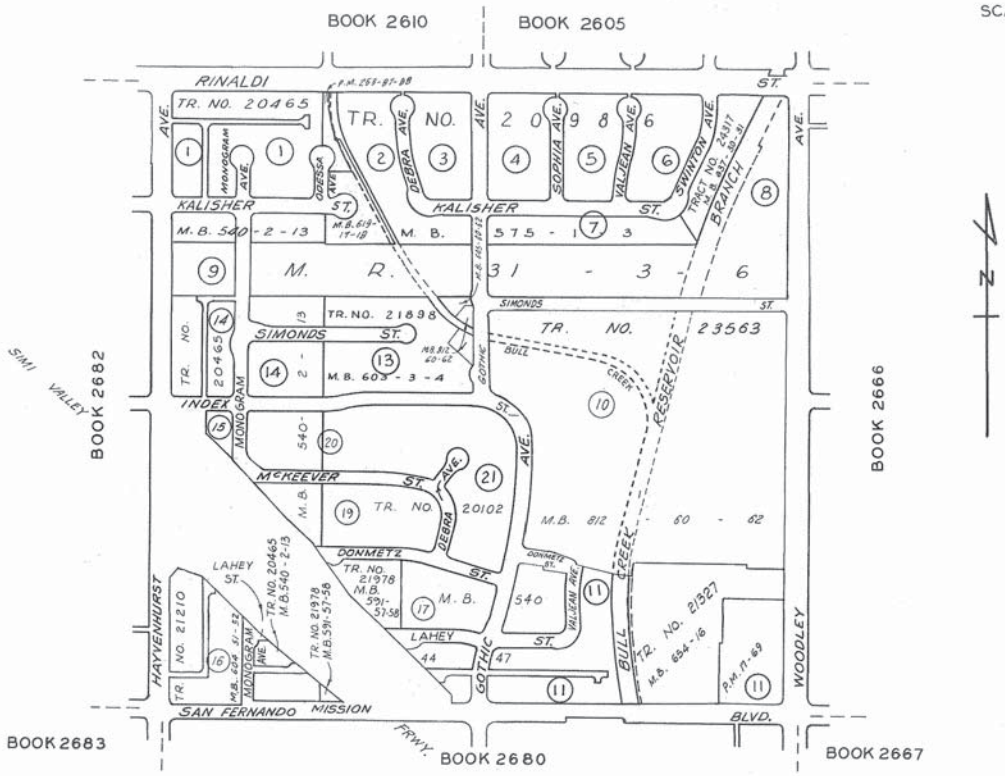
REVISED
11-22-57 830504
8-28-58
9-19-58
1-5-59
4-7-59
9-11-59
11-11-59
6-15-60
10-9-61
3-1-62
12-31-63
1-31-64
680528
680712
680726
680816
680823
681021
681216
690219
691210
700514
700805
710202
711008
711221
721121
730315
730627
740131
750523
840523
860311

1993

920825

INDEX - 2681

SCALE 1 IN. = 400 FT.



CITY OF LOS ANGELES

ASSESSOR'S MAP
COUNTY OF LOS ANGELES, CALIF.

APPENDIX B

QUESTIONNAIRE

Geosyntec consultants

USER QUESTIONNAIRE

THIS PAGE TO BE COMPLETED BY CLIENT/USER AND PROVIDED TO GEOSYNTEC

This questionnaire is provided to the client pursuant to guidance in ASTM E1527-13. In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must provide the following information (if available) to the environmental professional. Geosyntec requests that this information be provided at the start of this project to ensure the information can be accounted for and the project can be completed on schedule and budget. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

(1.) Environmental cleanup liens that are filed or recorded against the Site (40 CFR 312.25).

Are you aware of any environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law? Are you aware of any cleanup activities immediately adjacent to the Site? (Please answer all subsequent questions in the context of 'Site-related' and 'Immediately adjacent to Site related, to the best of your knowledge)

NO - UNKNOWN FOR SITE

NO - UNKNOWN FOR ADJACENT PROPERTIES

(2.) Activity and land use limitations (AULs) that are in place on the Site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

UNKNOWN

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the user of this Phase I ESA do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

High Voltage Lines North of Site. Creek Channel Under Site. Site is Located in Moderate Radon Zone.

Name of Person Completing Form: Andrew Modugno

Signature of Person Completing Form: Andrew Modugno

Date of Form Completion: 6/12/17

USER QUESTIONNAIRE

THIS PAGE TO BE COMPLETED BY CLIENT/USER AND PROVIDED TO GEOSYNTEC

(4.) Relationship of the purchase price to the fair market value of the Site if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this Site reasonably reflect the fair market value of the Site? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Site?

N/A

Name of Person Completing Form: Andrew Medugno

Signature of Person Completing Form: [signature]

Date of Form Completion: 6/19/17

USER QUESTIONNAIRE

THIS PAGE TO BE COMPLETED BY CLIENT/USER AND PROVIDED TO GEOSYNTEC

(5.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

Are you aware of commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user:

(a.) Do you know the past uses of the Site? Probably Farm Land

(b.) Do you know of specific chemicals that are present or once were present at the Site? Unknown

(c.) Do you know of spills or other chemical releases that have taken place at the Site? Unknown

(d.) Do you know of any environmental cleanups that have taken place at the Site? Unknown

(6.) The degree of obviousness of the presence of likely presence of contamination at the Site, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the user of this ESA, based on your knowledge and experience related to the Site are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

Unknown Site has Shops Including Photography Lab and machine Shop area. Chemistry / Biology Classrooms

NOTE 1: For the purposes of this Phase I ESA, the "user" is defined as follows: *The user is the party seeking to use ASTM E1527-13 to complete an environmental site assessment of the site. A user may include, without limitation, a potential purchaser of site, a potential tenant of site, an owner of site, a lender, or a site manager. The user has specific obligations for completing a successful application of this practice as outlined in EPA's All Appropriate Inquiry Rule.*

NOTE 2: In the case of a "yes" answer to any of the above questions, Geosyntec requests the client provide additional elaboration or documentation where applicable to fully explain the answer.

Name of Person Completing Form: Andrew Modugno
Signature of Person Completing Form: Andrew Modugno
Date of Form Completion: 6/19/17

USER QUESTIONNAIRE - ADDITIONAL INFORMATION

THIS PAGE TO BE COMPLETED BY CLIENT/USER AND PROVIDED TO GEOSYNTEC

Please note that in addition to answering the above questions (and providing the additional elaboration or documentation where applicable [such as in the case of a "yes" answer to any of the questions in the "User Questionnaire" provided on the previous page]), certain other information should be collected by the user, if available, and provided to the environmental professional selected by Geosyntec to conduct the Phase I ESA. This information is intended to assist the environmental professional but is not necessarily required to qualify for one of the LLPs. From ASTM E1527-13, the information includes (an expanded list is provided in Geosyntec's scope of work in the associated proposal):

(a) the reason why the Phase I ESA is required

Completion of Site Modernization

(b) the type of Site and type of Site transaction, for example, sale, purchase, exchange, etc.

N/A

(c) the complete and correct address for the Site (a map or other documentation showing Site location and boundaries is helpful)

See Attached Info

(d) the scope of services desired for the Phase I ESA (including whether any parties to the property transaction may have a required standard scope of services on whether any considerations beyond the requirements of ASTM E1527-13 are to be considered)

Radon information

(e) identification of all parties who will rely on the Phase I ESA report

LAUSD

(f) identification of the Site contact and how the contact be reached

Andrew Modugno (213) 241-3433

(g) any special terms and conditions which must be agreed upon by the environmental professional

No

(h) any other knowledge or experience with the Site that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports, documents, correspondence, etc., concerning the Site and its environmental condition)

None Available

Name of Person Completing Form: Andrew Modugno
Signature of Person Completing Form: [signature]
Date of Form Completion: 6/19/17

APPENDIX C

EDR RADIUS MAP AND DIRECTORY LIST

John F Kennedy High School
11254 Gothic Avenue
Granada Hills, CA 91344

Inquiry Number: 4971797.2s
June 20, 2017

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	33
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-12
Physical Setting Source Map Findings	A-14
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

11254 GOTHIC AVENUE
GRANADA HILLS, CA 91344

COORDINATES

Latitude (North):	34.2750340 - 34˚ 16' 30.12''
Longitude (West):	118.4877270 - 118˚ 29' 15.81''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	363047.2
UTM Y (Meters):	3793458.0
Elevation:	966 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5636833 SAN FERNANDO, CA
Version Date:	2012
Northwest Map:	5630759 OAT MOUNTAIN, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140531, 20140514
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
11254 GOTHIC AVENUE
GRANADA HILLS, CA 91344

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CITY OF LA / BUREAU	11254 GOTHIC AVE	HAZNET		TP
A2	CITY OF LOS ANGELES	11254 GOTHIC AVE	HAZNET		TP
A3	LAUSD KENNEDY HIGH S	11254 GOTHIC AVE	RCRA-SQG, FINDS, ECHO		TP
A4	CITY OF LOS ANGELES	11254 GOTHIC AVE	HAZNET		TP
A5	CITY OF LOS ANGELES	11254 GOTHIC AVE	HAZNET		TP
A6	LAUSD/ KENNEDY HS	11254 GOTHIC AVE	HAZNET		TP
B7	ADDAMS CONTINUATION	16341 DONMETZ ST	FINDS, ECHO	Lower	3, 0.001,
B8	LAUSD/ ADDAMS CONTIN	16341 DONMETZ ST	HAZNET	Lower	3, 0.001,
B9	ADDAMS CONTINUATION	16341 DONMETZ ST	RCRA-LQG	Lower	3, 0.001,
10	ACTION RS INC	11315 GOTHIC AVE	EDR Hist Auto	Higher	91, 0.017, NW
11	WOODLEY 1 HOUR PHOTO	11139 WOODLEY AVE	RCRA-SQG, FINDS, ECHO	Lower	188, 0.036, SE
12	FEARLESS 5 INC	11247 DEBRA AVE	EDR Hist Auto	Higher	227, 0.043, West
13	IN TUNE CYCLES INC	11415 COLLETT AVE	EDR Hist Auto	Higher	540, 0.102, NE
14	VICTORS CHEVRON	16455 MCKEEVER ST	EDR Hist Auto	Higher	558, 0.106, West
C15	GRANADA HILLS CLEANE	16285 SAN FERNANDO M	EDR Hist Cleaner	Lower	558, 0.106, SSE
C16	GRANADA HILLS CLEANE	16285 SAN FERNANDO M	DRYCLEANERS, HAZNET	Lower	558, 0.106, SSE
C17	GRANADA HILLS CLEANE	16285 SAN FERNANDO M	DRYCLEANERS	Lower	558, 0.106, SSE
C18	GRANADA HILLS CLEANE	16233 SAN FERNANDO R	RCRA-SQG, FINDS, ECHO, EMI, LA Co. Site Mitigation	Lower	576, 0.109, SSE
C19	SHANE CLEANERS INC	16233 SAN FRNNDO MSS	EDR Hist Cleaner	Lower	576, 0.109, SSE
D20	MY CLEANERS	16159 S F MISSION	EDR Hist Cleaner	Lower	660, 0.125, SE
D21	ASATOUR TERZIAN DBA	16156 SAN FERNANDO M	SWEEPS UST, CA FID UST, DRYCLEANERS	Lower	741, 0.140, SE
D22	GRANADA HILLS TRANSM	11050 WOODLEY AVE #F	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	845, 0.160, SE
D23	H AND R AUTOMOTIVE	11050 WOODLEY AVE UN	RCRA-SQG, FINDS, ECHO	Lower	845, 0.160, SE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
CITY OF LA / BUREAU 11254 GOTHIC AVE GRANADA HILLS, CA 91344	HAZNET GEPAID: CAH777001294	N/A
CITY OF LOS ANGELES 11254 GOTHIC AVE GRANADA HILLS, CA 91344	HAZNET GEPAID: CAH777001464	N/A
LAUSD KENNEDY HIGH S 11254 GOTHIC AVE GRANADA HILLS, CA 91344	RCRA-SQG EPA ID:: CAD982024804 FINDS Registry ID:: 110002780429 ECHO	CAD982024804
CITY OF LOS ANGELES 11254 GOTHIC AVE GRANADA HILLS, CA 91344	HAZNET GEPAID: CAH777001427	N/A
CITY OF LOS ANGELES 11254 GOTHIC AVE GRANADA HILLS, CA 91344	HAZNET GEPAID: CAH777001580	N/A
LAUSD/ KENNEDY HS 11254 GOTHIC AVE GRANADA HILLS, CA 91344	HAZNET GEPAID: CAD982024804	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ..... Federal Facility Site Information listing
SEMS ..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR ..... EnviroStor Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Solid Waste Information System

State and tribal leaking storage tank lists

LUST ..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
SLIC ..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST ..... Underground Storage Tank Listing
UST ..... Active UST Facilities
AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP ..... Voluntary Cleanup Program Properties
INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ..... Waste Management Unit Database
SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN ..... San Gabriel Valley Areas of Concern
US HIST CDL ..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites ..... Historical Calsites Database
SCH ..... School Property Evaluation Program
CDL ..... Clandestine Drug Labs
Toxic Pits ..... Toxic Pits Cleanup Act Sites
US CDL ..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST ..... Hazardous Substance Storage Container Database

Local Land Records

LIENS ..... Environmental Liens Listing
LIENS 2 ..... CERCLA Lien Information
DEED ..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System

CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
LOS ANGELES CO. HMS	HMS: Street Number List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing

EXECUTIVE SUMMARY

MWMP ..... Medical Waste Management Program Listing
NPDES ..... NPDES Permits Listing
PEST LIC ..... Pesticide Regulation Licenses Listing
PROC ..... Certified Processors Database
Notify 65 ..... Proposition 65 Records
LA Co. Site Mitigation ..... Site Mitigation List
UIC ..... UIC Listing
WASTEWATER PITS ..... Oil Wastewater Pits Listing
WDS ..... Waste Discharge System
WIP ..... Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ..... Recovered Government Archive Solid Waste Facilities List
RGA LUST ..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ADDAMS CONTINUATION	16341 DONMETZ ST	0 - 1/8 (0.001 mi.)	B9	18

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WOODLEY 1 HOUR PHOTO	***11139 WOODLEY AVE***	***SE 0 - 1/8 (0.036 mi.)***	***11***	***20***
GRANADA HILLS CLEANE	***16233 SAN FERNANDO R***	***SSE 0 - 1/8 (0.109 mi.)***	***C18***	***24***
GRANADA HILLS TRANSM	***11050 WOODLEY AVE #F***	***SE 1/8 - 1/4 (0.160 mi.)***	***D22***	***28***
H AND R AUTOMOTIVE	***11050 WOODLEY AVE UN***	***SE 1/8 - 1/4 (0.160 mi.)***	***D23***	***31***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASATOUR TERZIAN DBA Comp Number: 6797	***16156 SAN FERNANDO M***	***SE 1/8 - 1/4 (0.140 mi.)***	***D21***	***27***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASATOUR TERZIAN DBA Facility Id: 19054538 Status: I	***16156 SAN FERNANDO M***	***SE 1/8 - 1/4 (0.140 mi.)***	***D21***	***27***

Other Ascertainable Records

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/04/2017 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ADDAMS CONTINUATION	***16341 DONMETZ ST***	***0 - 1/8 (0.001 mi.)***	***B7***	***17***

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 03/19/2017 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ADDAMS CONTINUATION	***16341 DONMETZ ST***	***0 - 1/8 (0.001 mi.)***	***B7***	***17***

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 03/09/2017 has revealed that there are 3 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRANADA HILLS CLEANE EPA Id: CAL000403978	***16285 SAN FERNANDO M***	***SSE 0 - 1/8 (0.106 mi.)***	***C16***	***23***
GRANADA HILLS CLEANE EPA Id: CAC002799477	16285 SAN FERNANDO M	SSE 0 - 1/8 (0.106 mi.)	C17	24
ASATOUR TERZIAN DBA EPA Id: CAC002728554	***16156 SAN FERNANDO M***	***SE 1/8 - 1/4 (0.140 mi.)***	***D21***	***27***

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2015 has revealed that there is 1

HAZNET site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LAUSD/ ADDAMS CONTIN GEPAID: CAL000008019	16341 DONMETZ ST	0 - 1/8 (0.001 mi.)	B8	18

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 4 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ACTION RS INC	11315 GOTHIC AVE	NW 0 - 1/8 (0.017 mi.)	10	20
FEARLESS 5 INC	11247 DEBRA AVE	W 0 - 1/8 (0.043 mi.)	12	22
IN TUNE CYCLES INC	11415 COLLETT AVE	NE 0 - 1/8 (0.102 mi.)	13	22
VICTORS CHEVRON	16455 MCKEEVER ST	W 0 - 1/8 (0.106 mi.)	14	22

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

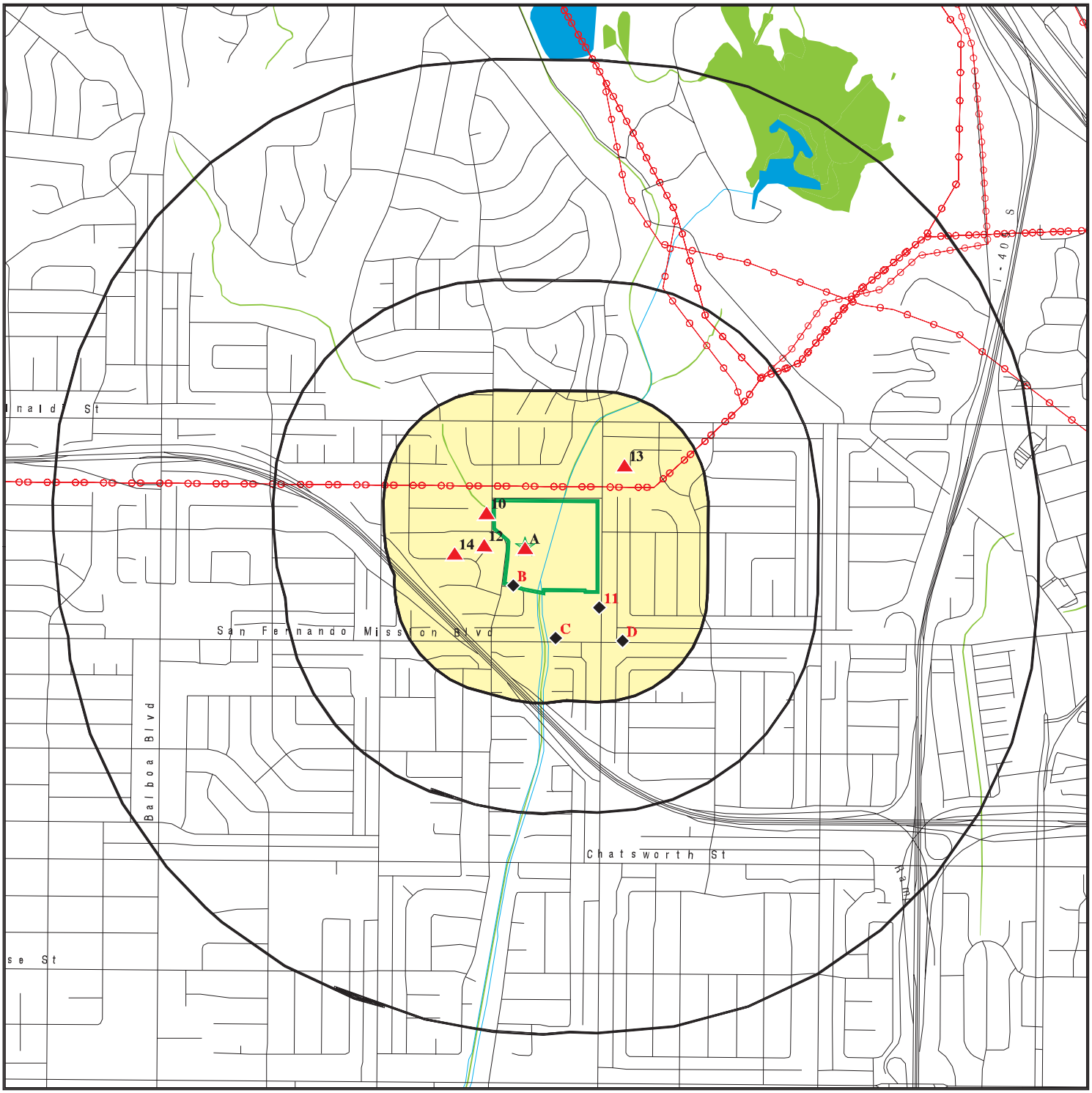
A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 3 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRANADA HILLS CLEANE	16285 SAN FERNANDO M	SSE 0 - 1/8 (0.106 mi.)	C15	22
SHANE CLEANERS INC	16233 SAN FRNNDO MSS	SSE 0 - 1/8 (0.109 mi.)	C19	27
MY CLEANERS	16159 S F MISSION	SE 0 - 1/8 (0.125 mi.)	D20	27

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 4971797.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: John F Kennedy High School	CLIENT: GeoSyntec Consultants
ADDRESS: 11254 Gothic Avenue Granada Hills CA 91344	CONTACT: Kylie Caesar
LAT/LONG: 34.275034 / 118.487727	INQUIRY #: 4971797.2s
	DATE: June 20, 2017 3:09 pm

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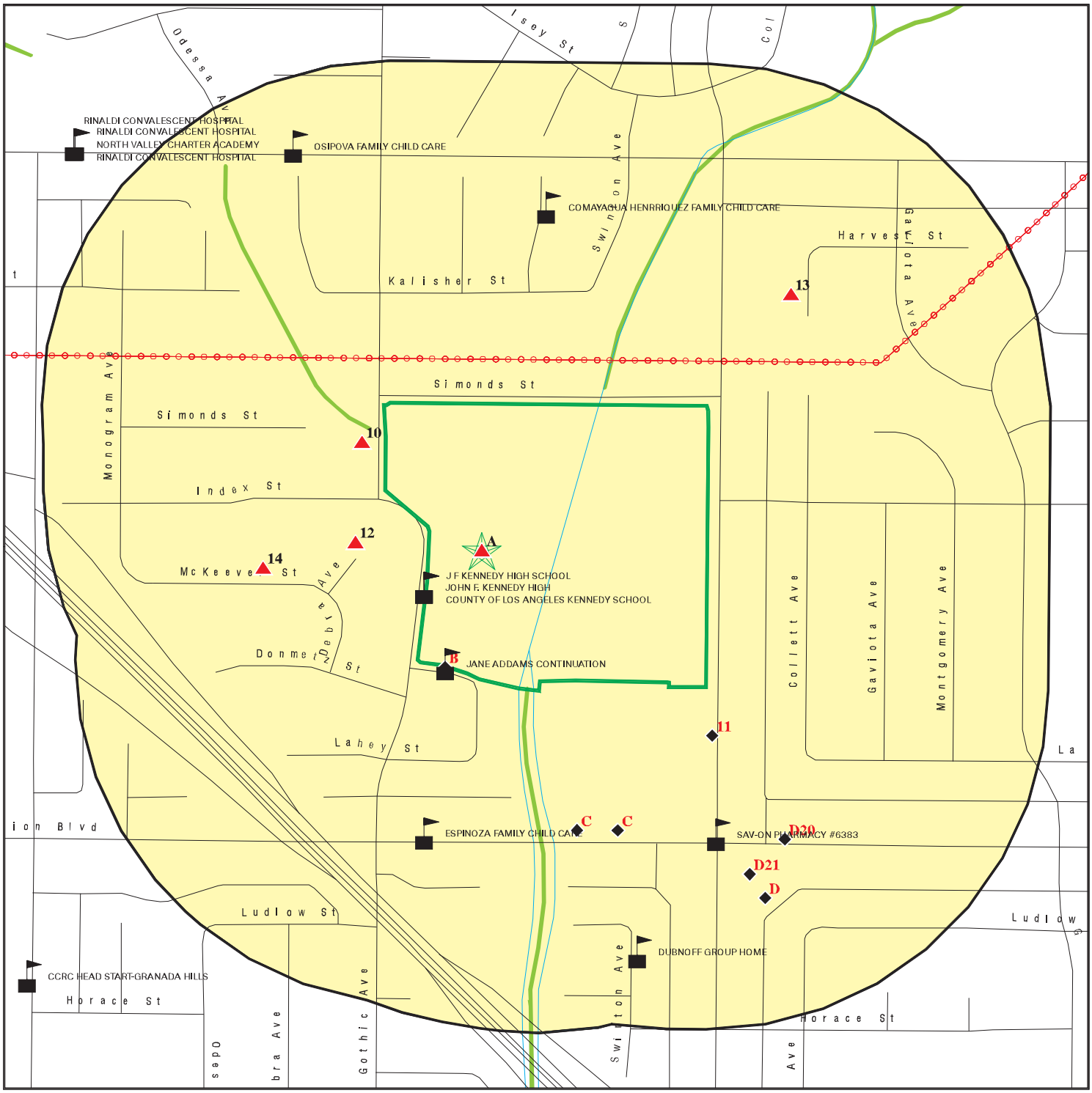
DETAIL MAP - 4971797.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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	DATE: June 20, 2017 3:13 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250	1	2	2	NR	NR	NR	5
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	1	NR	NR	NR	1
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001	1	1	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001	1	1	NR	NR	NR	NR	2
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		2	1	NR	NR	NR	3
EMI	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	5	1	NR	NR	NR	NR	6
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		4	NR	NR	NR	NR	4
EDR Hist Cleaner	0.125		3	NR	NR	NR	NR	3
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		8	15	5	0	0	0	28

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property | **CITY OF LA / BUREAU OF SANITATION** | **HAZNET** | **S113021370**
11254 GOTHIC AVE | **N/A**
GRANADA HILLS, CA 91344

Site 1 of 6 in cluster A

Actual: 966 ft.

HAZNET:

envid:	S113021370
Year:	2001
GEPAID:	CAH777001294
Contact:	WAYNE OMOKAWA
Telephone:	2134738226
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 900130000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Treatment, Tank
Tons:	0.21
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113021370
Year:	2001
GEPAID:	CAH777001294
Contact:	WAYNE OMOKAWA
Telephone:	2134738226
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 900130000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Treatment, Tank
Tons:	1.2
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113021370
Year:	2001
GEPAID:	CAH777001294
Contact:	WAYNE OMOKAWA
Telephone:	2134738226
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 900130000
Gen County:	Not reported
TSD EPA ID:	WAD991281767
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Recycler
Tons:	10.89
Cat Decode:	Not reported
Method Decode:	Not reported

CITY OF LA / BUREAU OF SANITATION (Continued) **S113021370**

Facility County: Los Angeles

envid: S113021370
Year: 2001
GEPAID: CAH777001294
Contact: WAYNE OMOKAWA
Telephone: 2134738226
Mailing Name: Not reported
Mailing Address: 433 S SPRING ST STE 500
Mailing City,St,Zip: LOS ANGELES, CA 900130000
Gen County: Not reported
TSD EPA ID: WAD991281767
TSD County: Not reported
Waste Category: Household waste
Disposal Method: Treatment, Incineration
Tons: 4.53
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113021370
Year: 2001
GEPAID: CAH777001294
Contact: WAYNE OMOKAWA
Telephone: 2134738226
Mailing Name: Not reported
Mailing Address: 433 S SPRING ST STE 500
Mailing City,St,Zip: LOS ANGELES, CA 900130000
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Household waste
Disposal Method: Recycler
Tons: 8.28
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

A2 **CITY OF LOS ANGELES - DPW - BUREAU SANIT** **HAZNET** **S113021458**
Target **11254 GOTHIC AVE** **N/A**
Property **GRANADA HILLS, CA 91344**

Site 2 of 6 in cluster A

Actual: 966 ft.

HAZNET:
envid: S113021458
Year: 2004
GEPAID: CAH777001464
Contact: VIJAY DESAI
Telephone: 2134737763
Mailing Name: Not reported
Mailing Address: 433 S SPRING ST STE 500
Mailing City,St,Zip: LOS ANGELES, CA 900130000
Gen County: Not reported
TSD EPA ID: CAD050806850

CITY OF LOS ANGELES - DPW - BUREAU SANIT (Continued) **S113021458**

TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Transfer Station
Tons:	Not reported
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113021458
Year:	2004
GEPAID:	CAH777001464
Contact:	VIJAY DESAI
Telephone:	2134737763
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 900130000
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Transfer Station
Tons:	18.4
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113021458
Year:	2004
GEPAID:	CAH777001464
Contact:	VIJAY DESAI
Telephone:	2134737763
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 900130000
Gen County:	Not reported
TSD EPA ID:	UTD981552177
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Recycler
Tons:	8.12
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113021458
Year:	2004
GEPAID:	CAH777001464
Contact:	VIJAY DESAI
Telephone:	2134737763
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 900130000
Gen County:	Not reported
TSD EPA ID:	UTD981552177
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Treatment, Incineration

CITY OF LOS ANGELES - DPW - BUREAU SANIT (Continued) **S113021458**

Tons:	13.82
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113021458
Year:	2004
GEPAID:	CAH777001464
Contact:	VIJAY DESAI
Telephone:	2134737763
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 900130000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	10.42
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

A3 Target Property **LAUSD KENNEDY HIGH SCHOOL** **RCRA-SQG** **1000378565**
11254 GOTHIC AVE **FINDS** **CAD982024804**
GRANADA HILLS, CA 91344 **ECHO**

Site 3 of 6 in cluster A

Actual: 966 ft.

RCRA-SQG:

Date form received by agency:	08/20/1987
Facility name:	LAUSD KENNEDY HIGH SCHOOL
Facility address:	11254 GOTHIC AVE GRANADA HILLS, CA 91344
EPA ID:	CAD982024804
Mailing address:	1425 S SAN PEDRO ST RM 215 LOS ANGELES, CA 90015
Contact:	ENVIRONMENTAL MANAGER
Contact address:	11254 GOTHIC AVE GRANADA HILLS, CA 91344
Contact country:	US
Contact telephone:	(213) 742-7371
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED

LAUSD KENNEDY HIGH SCHOOL (Continued) **1000378565**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LAUSD
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002780429

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

LAUSD KENNEDY HIGH SCHOOL (Continued) **1000378565**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000378565
Registry ID:	110002780429
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002780429

A4 Target Property **CITY OF LOS ANGELES - DPW - BUREAU SANIT** **HAZNET** **S113021430**
11254 GOTHIC AVE **N/A**
GRANADA HILLS, CA 91344

Site 4 of 6 in cluster A

Actual: 966 ft.

HAZNET:

envid:	S113021430
Year:	2002
GEPAID:	CAH777001427
Contact:	VIJAY DESAI
Telephone:	2134737763
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 90013
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	7.92
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113021430
Year:	2002
GEPAID:	CAH777001427
Contact:	VIJAY DESAI
Telephone:	2134737763
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 90013
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	0.87
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113021430
Year:	2002
GEPAID:	CAH777001427
Contact:	VIJAY DESAI
Telephone:	2134737763

CITY OF LOS ANGELES - DPW - BUREAU SANIT (Continued) **S113021430**

Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 90013
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Disposal, Other
Tons:	1
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A5 Target Property **CITY OF LOS ANGELES - DPW - BUREAU SANIT** **HAZNET** **S113021531**
11254 GOTHIC AVE **N/A**
GRANADA HILLS, CA 91344

Site 5 of 6 in cluster A

Actual: 966 ft.

HAZNET:

envid:	S113021531
Year:	2005
GEPAID:	CAH777001580
Contact:	JAMES H LEE
Telephone:	2134738224
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 900130000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Transfer Station
Tons:	2.62
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113021531
Year:	2005
GEPAID:	CAH777001580
Contact:	JAMES H LEE
Telephone:	2134738224
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 900130000
Gen County:	Not reported
TSD EPA ID:	WAD991281767
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Not reported
Tons:	29.92
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113021531
Year:	2005

CITY OF LOS ANGELES - DPW - BUREAU SANIT (Continued) **S113021531**

GEPAID:	CAH777001580
Contact:	JAMES H LEE
Telephone:	2134738224
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 900130000
Gen County:	Not reported
TSD EPA ID:	CAH111000981
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Not reported
Tons:	12.5
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113021531
Year:	2005
GEPAID:	CAH777001580
Contact:	JAMES H LEE
Telephone:	2134738224
Mailing Name:	Not reported
Mailing Address:	433 S SPRING ST STE 500
Mailing City,St,Zip:	LOS ANGELES, CA 900130000
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Transfer Station
Tons:	7.65
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A6
Target
Property

LAUSD/ KENNEDY HS
11254 GOTHIC AVE
GRANADA HILLS, CA 91344

HAZNET **S113012717**
N/A

Site 6 of 6 in cluster A

Actual:
966 ft.

HAZNET:

envid:	S113012717
Year:	2015
GEPAID:	CAD982024804
Contact:	PAT SCHAENEN
Telephone:	2132413921
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE FL 28
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Laboratory waste chemicals
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3775
Cat Decode:	Laboratory waste chemicals
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

LAUSD/ KENNEDY HS (Continued) **S113012717**

	(H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	S113012717
Year:	2015
GEPAID:	CAD982024804
Contact:	PAT SCHAENEN
Telephone:	2132413921
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE FL 28
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Laboratory waste chemicals
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.045
Cat Decode:	Laboratory waste chemicals
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	S113012717
Year:	2015
GEPAID:	CAD982024804
Contact:	PAT SCHAENEN
Telephone:	2132413921
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE FL 28
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Laboratory waste chemicals
Disposal Method:	Neutralization Only
Tons:	0.005
Cat Decode:	Laboratory waste chemicals
Method Decode:	Neutralization Only
Facility County:	Los Angeles

envid:	S113012717
Year:	2013
GEPAID:	CAD982024804
Contact:	SOE AUNG
Telephone:	2137455939
Mailing Name:	Not reported
Mailing Address:	333 S BEAUNDRY AVE 28TH FLR
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.075
Cat Decode:	Not reported

LAUSD/ KENNEDY HS (Continued) **S113012717**

Method Decode: Not reported
Facility County: Not reported

envid: S113012717
Year: 2013
GEPAID: CAD982024804
Contact: SOE AUNG
Telephone: 2137455939
Mailing Name: Not reported
Mailing Address: 333 S BEAUNDRY AVE 28TH FLR
Mailing City,St,Zip: LOS ANGELES, CA 900170000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
23 additional CA_HAZNET: record(s) in the EDR Site Report.

B7 **ADDAMS CONTINUATION HIGH SCHOOL** **FINDS** **1011918382**
16341 DONMETZ ST **ECHO** **N/A**
< 1/8 **GRANADA HILLS, CA 91344**
0.001 mi.
3 ft. **Site 1 of 3 in cluster B**

Relative:
Lower

Actual:
960 ft.

FINDS:

Registry ID: 110037381632

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1011918382
Registry ID: 110037381632
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110037381632

B8 **LAUSD/ ADDAMS CONTINUATION** **HAZNET** **S113024425**
16341 DONMETZ ST **N/A**
< 1/8 **GRANADA HILLS, CA 91344**
0.001 mi.
3 ft. **Site 2 of 3 in cluster B**

Relative:
Lower

Actual:
960 ft.

HAZNET:

envid:	S113024425
Year:	2005
GEPAID:	CAL000008019
Contact:	YI HWA KIM DEPUTY DIRECTOR
Telephone:	2137435086
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE 20TH FLR
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	0
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113024425
Year:	1993
GEPAID:	CAL000008019
Contact:	LOS ANGELES USD
Telephone:	2137435086
Mailing Name:	Not reported
Mailing Address:	1449 S SAN PEDRO ST
Mailing City,St,Zip:	LOS ANGELES, CA 900153119
Gen County:	Not reported
TSD EPA ID:	CAD067786749
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	0.84279999999
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

B9 **ADDAMS CONTINUATION HIGH SCHOOL** **RCRA-LQG** **1010783776**
16341 DONMETZ ST **CAR000191288**
< 1/8 **GRANADA HILLS, CA 91344**
0.001 mi.
3 ft. **Site 3 of 3 in cluster B**

Relative:
Lower

Actual:
960 ft.

RCRA-LQG:

Date form received by agency:	04/09/2008
Facility name:	ADDAMS CONTINUATION HIGH SCHOOL
Facility address:	16341 DONMETZ ST GRANADA HILLS, CA 91344
EPA ID:	CAR000191288
Mailing address:	333 S BEAUDRY AVE LAUSD OEHS 20TH FL LOS ANGELES, CA 90017
Contact:	SOE AUNG
Contact address:	333 S BEAUDRY AVE LAUSD OEHS 20TH FL

ADDAMS CONTINUATION HIGH SCHOOL (Continued) **1010783776**

	LOS ANGELES, CA 90017
Contact country:	US
Contact telephone:	213-241-3904
Contact email:	SOE.AUNG@LAUSD.NET
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	ADDAMS CONTINUATION HIGH SCHOOL
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	District
Owner/Operator Type:	Operator
Owner/Op start date:	11/14/1989
Owner/Op end date:	Not reported

Owner/operator name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Owner/operator address:	333 S BEAUDRY AVE
	LOS ANGELES, CA 90017
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	11/14/1989
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

ADDAMS CONTINUATION HIGH SCHOOL (Continued) **1010783776**

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

---

10 NW < 1/8 0.017 mi. 91 ft. | **ACTION RS INC**
11315 GOTHIC AVE
GRANADA HILLS, CA 91344 | **EDR Hist Auto** | **1020952098**
N/A

Relative: Higher

Actual: 974 ft.

EDR Hist Auto

Year:	Name:	Type:
1996	ACTION RS INC	Engine Repair
1997	ACTION RS INC	Engine Repair
1998	ACTION RS INC	Engine Repair
1999	ACTION RS INC	Engine Repair
2000	ACTION RS INC	Engine Repair
2001	ACTION RS INC	Engine Repair
2002	ACTION RS INC	Engine Repair
2003	ACTION RS INC	Engine Repair
2004	ACTION RS INC	Engine Repair
2005	ACTION RS INC	Engine Repair
2006	ACTION RS INC	Engine Repair
2007	ACTION RS INC	Engine Repair
2008	ACTION RS INC	Engine Repair
2009	ACTION RS INC	Engine Repair
2010	ACTION RS INC	Engine Repair
2011	ACTION RS INC	Engine Repair
2012	ACTION RS INC	Engine Repair
2013	ACTION RS INC	Engine Repair
2014	ACTION RS INC	Engine Repair

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11 SE < 1/8 0.036 mi. 188 ft. | **WOODLEY 1 HOUR PHOTO**
11139 WOODLEY AVE
GRANADA HILLS, CA 91344 | **RCRA-SQG**
FINDS
ECHO | **1000596825**
CAD983608084

Relative: Lower

Actual: 961 ft.

RCRA-SQG:

Date form received by agency:	10/10/1991
Facility name:	WOODLEY 1 HOUR PHOTO
Facility address:	11139 WOODLEY AVE GRANADA HILLS, CA 91344
EPA ID:	CAD983608084
Mailing address:	WOODLEY AVE GRANADA HILLS, CA 91344
Contact:	CHERYL WILCOX
Contact address:	11139 WOODLEY AVE GRANADA HILLS, CA 91344
Contact country:	US
Contact telephone:	(818) 368-3686
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous

WOODLEY 1 HOUR PHOTO (Continued) **1000596825**

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	TIFFANY MISEROY AVE
Owner/operator address:	11139 WOODLEY AVE GRANADA HILLS, CA 91344
Owner/operator country:	Not reported
Owner/operator telephone:	(818) 368-3686
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002862607

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000596825
Registry ID:	110002862607
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002862607

12
West
< 1/8
0.043 mi.
227 ft.

FEARLESS 5 INC
11247 DEBRA AVE
GRANADA HILLS, CA 91344

EDR Hist Auto **1021681223**
N/A

Relative:
Higher

Actual:
970 ft.

EDR Hist Auto

Year:	Name:	Type:
2011	FEARLESS 5 INC	Gasoline Service Stations
2012	FEARLESS 5 INC	Gasoline Service Stations
2013	FEARLESS 5 INC	Gasoline Service Stations
2014	FEARLESS 5 INC	Gasoline Service Stations

13
NE
< 1/8
0.102 mi.
540 ft.

IN TUNE CYCLES INC
11415 COLLETT AVE
GRANADA HILLS, CA 91344

EDR Hist Auto **1020279097**
N/A

Relative:
Higher

Actual:
976 ft.

EDR Hist Auto

Year:	Name:	Type:
2009	IN TUNE CYCLES INC	Automotive Repair Shops, NEC, NEC
2010	IN TUNE CYCLES INC	Automotive Repair Shops, NEC, NEC

14
West
< 1/8
0.106 mi.
558 ft.

VICTORS CHEVRON
16455 MCKEEVER ST
GRANADA HILLS, CA 91344

EDR Hist Auto **1020424472**
N/A

Relative:
Higher

Actual:
970 ft.

EDR Hist Auto

Year:	Name:	Type:
2002	VICTORS CHEVRON	Gasoline Service Stations, NEC
2003	VICTORS CHEVRON	Gasoline Service Stations, NEC
2004	VICTORS CHEVRON	Gasoline Service Stations, NEC
2005	VICTORS CHEVRON	Gasoline Service Stations, NEC

C15
SSE
< 1/8
0.106 mi.
558 ft.

GRANADA HILLS CLEANERS
16285 SAN FERNANDO MSN BL
GRANADA HILLS, CA 91344

EDR Hist Cleaner **1019997764**
N/A

Site 1 of 5 in cluster C

Relative:
Lower

Actual:
954 ft.

EDR Hist Cleaner

Year:	Name:	Type:
2014	GRANADA HILLS CLEANERS	Drycleaning Plants, Except Rugs

C16 SSE < 1/8 0.106 mi. 558 ft. | **GRANADA HILLS CLEANERS**
16285 SAN FERNANDO MISSION BLVD.
GRANADA HILLS, CA 91344 | **DRYCLEANERS** **HAZNET** | **S117572403** **N/A**

Site 2 of 5 in cluster C

Relative: Lower

Actual: 954 ft.

DRYCLEANERS:

EPA Id:	CAL000403978
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	01/26/2015
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Owner Name:	MIKE YOUSEFIAN
Owner Address:	16285 SAN FERNANDO MISSION BLVD.
Owner Address 2:	Not reported
Owner Telephone:	8183660012
Contact Name:	MIKE YOUSEFIAN
Contact Address:	12450 JACQUELINE PL
Contact Address 2:	Not reported
Contact Telephone:	8183660012
Mailing Name:	Not reported
Mailing Address 1:	16285 SAN FERNANDO MISSION BLVD.
Mailing Address 2:	Not reported
Mailing City:	GRANADA HILLS
Mailing State:	CA
Mailing Zip:	91344
Owner Fax:	Not reported
Region Code:	3

HAZNET:

envid:	S117572403
Year:	2015
GEPAID:	CAL000403978
Contact:	MIKE YOUSEFIAN
Telephone:	8183660012
Mailing Name:	Not reported
Mailing Address:	16285 SAN FERNANDO MISSION BLVD.
Mailing City,St,Zip:	GRANADA HILLS, CA 91344
Gen County:	Los Angeles
TSD EPA ID:	NED981723513
TSD County:	99
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.4
Cat Decode:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Decode:	Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County:	Los Angeles

C17 SSE < 1/8 0.106 mi. 558 ft. | **GRANADA HILLS CLEANERS** | **DRYCLEANERS** | **S117572378**
16285 SAN FERNANDO MISSION BLVD. | **N/A**
GRANADA HILLS, CA 91344

Site 3 of 5 in cluster C

Relative: Lower

Actual: 954 ft.

DRYCLEANERS:

EPA Id:	CAC002799477
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	01/09/2015
Facility Active:	No
Inactive Date:	04/10/2015
Facility Addr2:	Not reported
Owner Name:	MIKE YOUSEFIAN
Owner Address:	16285 SAN FERNANDO MISSION BLVD.
Owner Address 2:	Not reported
Owner Telephone:	8183660012
Contact Name:	MIKE YOUSEFIAN
Contact Address:	16285 SAN FERNANDO MISSION BLVD.
Contact Address 2:	Not reported
Contact Telephone:	8183660012
Mailing Name:	Not reported
Mailing Address 1:	16285 SAN FERNANDO MISSION BLVD.
Mailing Address 2:	Not reported
Mailing City:	GRANADA HILLS
Mailing State:	CA
Mailing Zip:	91344
Owner Fax:	Not reported
Region Code:	3

C18 SSE < 1/8 0.109 mi. 576 ft. | **GRANADA HILLS CLEANERS** | **RCRA-SQG** | **1000306978**
16233 SAN FERNANDO RD | **FINDS** | **CAD982059008**
GRANADA HILLS, CA 91344 | **ECHO**
EMI
Site 4 of 5 in cluster C | **LA Co. Site Mitigation**

Relative: Lower

Actual: 956 ft.

RCRA-SQG:

Date form received by agency:	07/15/1993
Facility name:	GRANADA HILLS CLEANERS
Facility address:	16233 SAN FERNANDO RD GRANADA HILLS, CA 91344
EPA ID:	CAD982059008
Contact:	VAHIR YOUSEFIAN
Contact address:	16233 SAN FERNANDO RD GRANADA HILLS, CA 91344
Contact country:	US
Contact telephone:	(818) 366-0012
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

GRANADA HILLS CLEANERS (Continued) **1000306978**

Owner/Operator Summary:

Owner/operator name:	VAHIR YOUSEFIAN
Owner/operator address:	16223 SAN FERNANDO RD GRANADA HILLS, CA 91344
Owner/operator country:	Not reported
Owner/operator telephone:	(818) 366-0012
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002790524

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

GRANADA HILLS CLEANERS (Continued) **1000306978**

ECHO:

Envid:	1000306978
Registry ID:	110002790524
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002790524

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	37689
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	78232
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

LA Co. Site Mitigation:

Facility ID:	FA0023310
Site ID:	SD0000210
Jurisdiction:	State
Case ID:	RO0000215
Abated:	No
Assigned To:	Kim Clark
Entered Date:	02/13/2007
Abated Date:	Not reported

C19 SSE < 1/8 0.109 mi. 576 ft. — **SHANE CLEANERS INC**, **16233 SAN FRNNDO MSSN BLV**, **GRANADA HILLS, CA 91344** — **EDR Hist Cleaner** — **1020086032** / **N/A**

Site 5 of 5 in cluster C

Relative: Lower

Actual: 956 ft.

EDR Hist Cleaner

Year:	Name:	Type:
2005	SHANE CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2006	SHANE CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2007	SHANE CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2008	SHANE CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2009	SHANE CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2010	SHANE CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2011	SHANE CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2012	SHANE CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2013	SHANE CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2014	SHANE CLEANERS INC	Drycleaning Plants, Except Rugs, NEC

D20 SE < 1/8 0.125 mi. 660 ft. — **MY CLEANERS**, **16159 S F MISSION**, **GRANADA HILLS, CA 91344** — **EDR Hist Cleaner** — **1009126301** / **N/A**

Site 1 of 4 in cluster D

Relative: Lower

Actual: 956 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1970	MY CLEANERS	Not reported

D21 SE 1/8-1/4 0.140 mi. 741 ft. — **ASATOUR TERZIAN DBA REGAL CLEANERS**, **16156 SAN FERNANDO MISSION BLVD**, **GRANADA HILLS, CA 91344** — **SWEEPS UST**, **CA FID UST**, **DRYCLEANERS** — **S101586853** / **N/A**

Site 2 of 4 in cluster D

Relative: Lower

Actual: 955 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	6797
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

CA FID UST:

Facility ID:	19054538
Regulated By:	UTNKI

ASATOUR TERZIAN DBA REGAL CLEANERS (Continued) **S101586853**

Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	16156 SAN FERNANDO MISSION BL
Mailing Address 2:	Not reported
Mailing City,St,Zip:	GRANADA HILLS 913440000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

DRYCLEANERS:

EPA Id:	CAC002728554
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	05/01/2013
Facility Active:	No
Inactive Date:	07/31/2013
Facility Addr2:	Not reported
Owner Name:	ASATOUR TERZIAN
Owner Address:	16156 SAN FERNANDO MISSION BLVD
Owner Address 2:	Not reported
Owner Telephone:	8188316915
Contact Name:	ASATOUR TERZIAN
Contact Address:	16156 SAN FERNANDO MISSION BLVD
Contact Address 2:	Not reported
Contact Telephone:	8188316915
Mailing Name:	Not reported
Mailing Address 1:	16156 SAN FERNANDO MISSION BLVD
Mailing Address 2:	Not reported
Mailing City:	GRANADA HILLS
Mailing State:	CA
Mailing Zip:	91344
Owner Fax:	Not reported
Region Code:	3

D22 **GRANADA HILLS TRANSMISSION** **RCRA-SQG** **1004675482**
SE **11050 WOODLEY AVE #F** **FINDS** **CAR000073403**
1/8-1/4 **GRANADA HILLS, CA 91344** **ECHO**
0.160 mi. **HAZNET**
845 ft. **Site 3 of 4 in cluster D**

Relative:
Lower

Actual:
954 ft.

RCRA-SQG:

Date form received by agency:	05/05/2000
Facility name:	GRANADA HILLS TRANSMISSION
Facility address:	11050 WOODLEY AVE #F GRANADA HILLS, CA 91344
EPA ID:	CAR000073403
Mailing address:	11050 WOODLEY AVE #B GRANADA HILLS, CA 91344

GRANADA HILLS TRANSMISSION (Continued) **1004675482**

Contact: DAN POLOSKI
Contact address: 11050 WOODLEY AVE #B
GRANADA HILLS, CA 91344
Contact country: US
Contact telephone: (818) 832-1087
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: DAN POLOSKI
Owner/operator address: 11050 WOODLEY AVE #B
GRANADA HILLS, CA 91344
Owner/operator country: Not reported
Owner/operator telephone: (818) 832-1087
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

Violation Status: No violations found

GRANADA HILLS TRANSMISSION (Continued) **1004675482**

FINDS:

Registry ID: 110002937207

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004675482
Registry ID: 110002937207
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002937207

HAZNET:
envid: 1004675482
Year: 2001
GEPAID: CAR000073403
Contact: --
Telephone: 8128321087
Mailing Name: Not reported
Mailing Address: 11050 WOODLEY AVE #F
Mailing City,St,Zip: GRANADA HILLS, CA 913440000
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.24
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1004675482
Year: 2000
GEPAID: CAR000073403
Contact: --
Telephone: 8128321087
Mailing Name: Not reported
Mailing Address: 11050 WOODLEY AVE #F
Mailing City,St,Zip: GRANADA HILLS, CA 913440000
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported

GRANADA HILLS TRANSMISSION (Continued) **1004675482**

Facility County: Los Angeles

D23 SE 1/8-1/4 0.160 mi. 845 ft.

H AND R AUTOMOTIVE
11050 WOODLEY AVE UNIT 2
GRANADA HILLS, CA 91344

RCRA-SQG 1000596688
FINDS CAD983606641
ECHO

Site 4 of 4 in cluster D

Relative: Lower

Actual: 954 ft.

RCRA-SQG:

Date form received by agency:	04/07/1993
Facility name:	H AND R AUTOMOTIVE
Facility address:	11050 WOODLEY AVE UNIT 2 GRANADA HILLS, CA 91344
EPA ID:	CAD983606641
Mailing address:	11050 WOODLEY AVE GRANADA HILLS, CA 91344
Contact:	HARAND VARTANIAN
Contact address:	11050 WOODLEY AVE UNIT 2 GRANADA HILLS, CA 91344
Contact country:	US
Contact telephone:	(818) 832-0052
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	VARTANIAN HARAND
Owner/operator address:	11050 WOODLEY AVE GRANADA HILLS, CA 91344
Owner/operator country:	Not reported
Owner/operator telephone:	(818) 832-0052
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

H AND R AUTOMOTIVE (Continued) **1000596688**

Violation Status: No violations found

FINDS:

Registry ID: 110002861528

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000596688
Registry ID: 110002861528
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002861528

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/05/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 06/08/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/05/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/09/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 06/08/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/08/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 93

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 101

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 101

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/11/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 57

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/14/2017
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 01/03/2017
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/02/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 01/13/2017
Date Data Arrived at EDR: 01/17/2017
Date Made Active in Reports: 05/31/2017
Number of Days to Update: 134

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 54

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 67

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 77

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/06/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 37

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 105

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/06/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/06/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program
DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/04/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 35

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/19/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 64

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 42

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 09/23/2016
Date Made Active in Reports: 10/24/2016
Number of Days to Update: 31

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 118

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2017
Date Data Arrived at EDR: 02/17/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 97

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/11/2017
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 04/26/2017
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/13/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/06/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 107

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 87

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/03/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 31

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 21

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 37

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/07/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 94

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/23/2017
Date Data Arrived at EDR: 02/24/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 77

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/26/2017
Number of Days to Update: 65

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/24/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 73

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/06/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 40

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 111

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/20/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 57

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/09/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 77

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 71

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/18/2017
Date Data Arrived at EDR: 01/20/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 41

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 111

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 66

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/17/2017
Date Data Arrived at EDR: 04/18/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 14

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/17/2017
Date Data Arrived at EDR: 01/18/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 112

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/10/2017
Date Data Arrived at EDR: 01/13/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 110

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/03/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 71

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 03/31/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 27

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/23/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 02/21/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 76

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 54

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 96

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/07/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 85

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/09/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 111

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/18/2017
Date Data Arrived at EDR: 04/20/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 1

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/19/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 98

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/08/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 105

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/09/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/05/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/28/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 62

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/21/2017
Date Data Arrived at EDR: 03/23/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 47

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/21/2017
Date Data Arrived at EDR: 02/21/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 91

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 33

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 14

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/23/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 89

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/10/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 75

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 67

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 47

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 03/01/2017
Date Data Arrived at EDR: 03/30/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 54

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 01/24/2017
Date Made Active in Reports: 05/18/2017
Number of Days to Update: 114

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List
Cupa facilities

Date of Government Version: 01/05/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 104

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/18/2017
Number of Days to Update: 113

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 01/05/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 104

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/25/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 34

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 103

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 89

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2017
Date Data Arrived at EDR: 03/15/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/31/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 27

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 01/03/2017
Number of Days to Update: 96

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/11/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/12/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

JOHN F KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
GRANADA HILLS, CA 91344

TARGET PROPERTY COORDINATES

Latitude (North):	34.275034 - 34˚ 16’ 30.12’’
Longitude (West):	118.487727 - 118˚ 29’ 15.82’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	363047.2
UTM Y (Meters):	3793458.0
Elevation:	966 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5636833 SAN FERNANDO, CA
Version Date:	2012
Northwest Map:	5630759 OAT MOUNTAIN, CA
Version Date:	2012

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

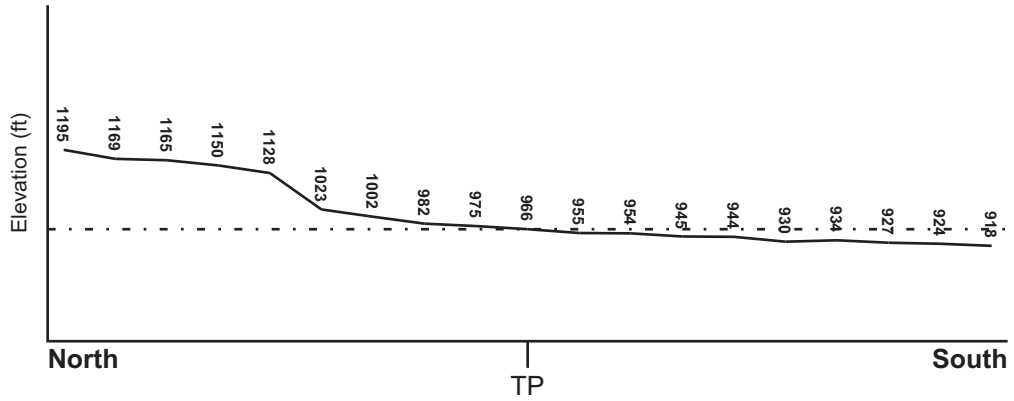
TOPOGRAPHIC INFORMATION

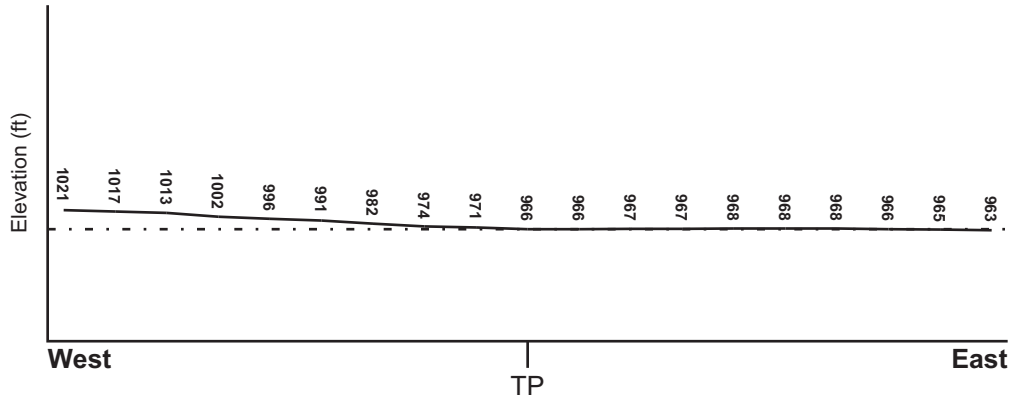
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 966 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1075F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1045F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

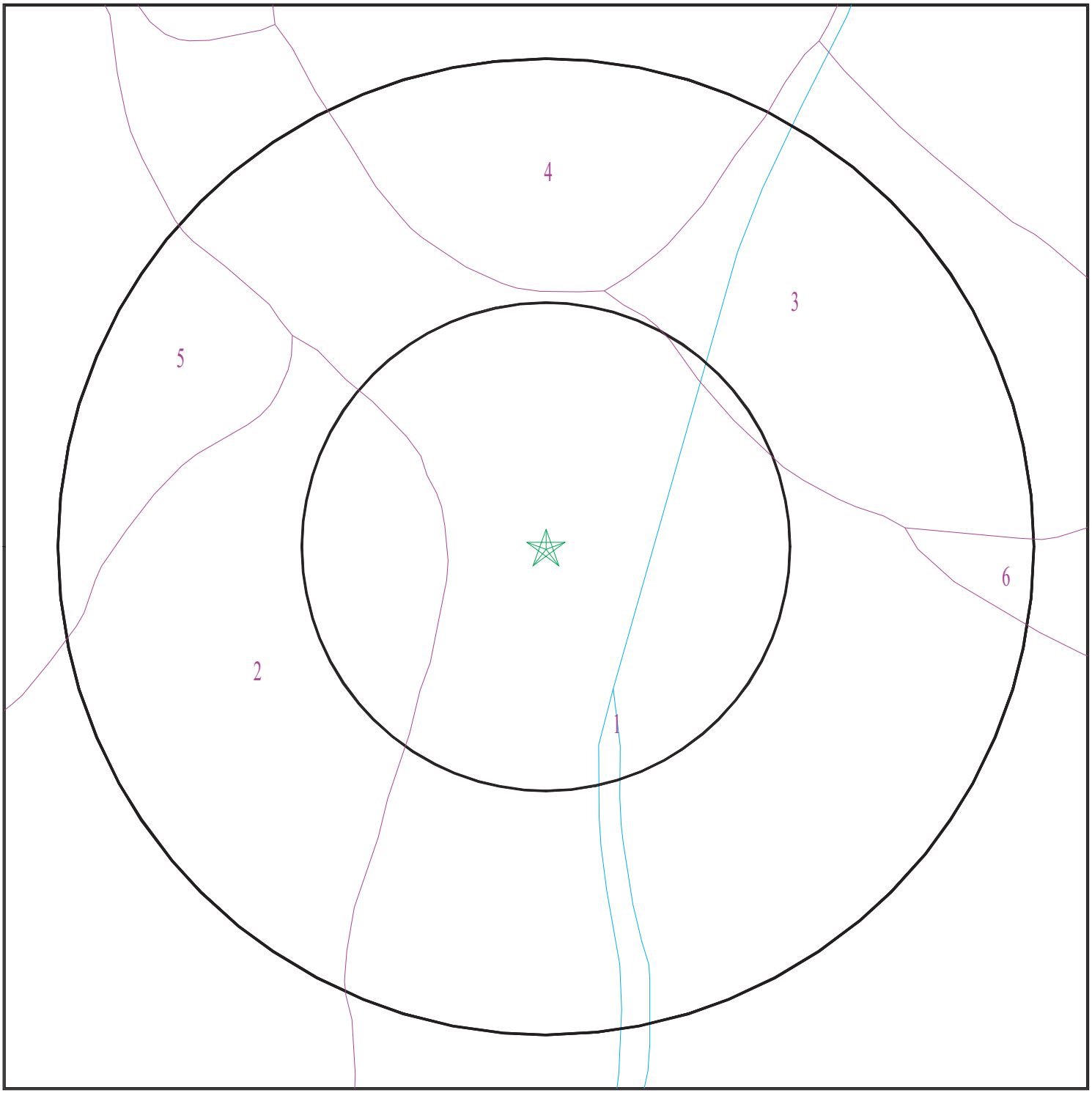
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4971797.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME: John F Kennedy High School ADDRESS: 11254 Gothic Avenue Granada Hills CA 91344 LAT/LONG: 34.275034 / 118.487727	CLIENT: GeoSyntec Consultants CONTACT: Kylie Caesar INQUIRY #: 4971797.2s DATE: June 20, 2017 3:15 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Conejo

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	35 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.1
2	35 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: Cropley

Soil Surface Texture: clay

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	35 inches	64 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: Anacapa

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	24 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.6
2	24 inches	48 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9
3	48 inches	72 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9

Soil Map ID: 4

Soil Component Name: Chualar

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.8 Min: 6.1
2	18 inches	70 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1

Soil Map ID: 5

Soil Component Name: Danville

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	24 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	24 inches	50 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
3	50 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

Soil Map ID: 6

Soil Component Name: Capistrano

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	40 inches	72 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 6.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADW60000005645	1/2 - 1 Mile SW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

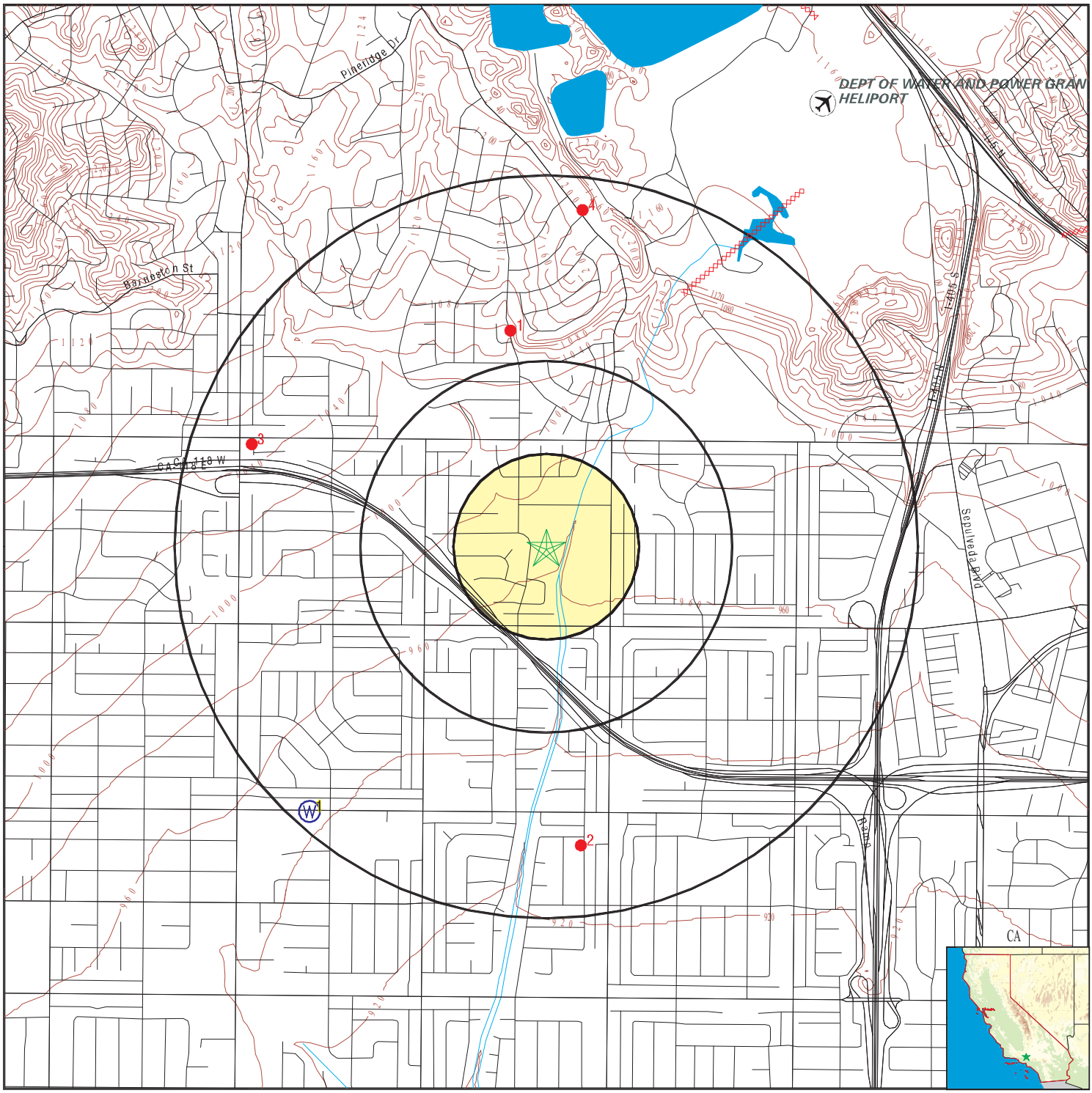
MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000280718	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	CAOG11000280889	1/2 - 1 Mile South
3	CAOG11000280734	1/2 - 1 Mile WNW
4	CAOG11000280744	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 4971797.2s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME: John F Kennedy High School	CLIENT: GeoSyntec Consultants
ADDRESS: 11254 Gothic Avenue Granada Hills CA 91344	CONTACT: Kylie Caesar INQUIRY #: 4971797.2s
LAT/LONG: 34.275034 / 118.487727	DATE: June 20, 2017 3:14 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
1 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW60000005645**

Objectid:	5645
Latitude:	34.264697
Longitude:	-118.498858
Site code:	342647N1184989W001
State well numbe:	02N15W18D001S
Local well name:	'4803B'
Well use id:	1
Well use descrip:	Observation
County id:	19
County name:	Los Angeles
Basin code:	'4-12'
Basin desc:	San Fernando Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000005645

Map ID Direction Distance	Database	EDR ID Number

1
North
1/2 - 1 Mile

OIL_GAS **CAOG11000280718**

District nun:	2	Api number:	03705385
Blm well:	N	Redrill can:	No
Dryhole:	Y	Well status:	P
Operator name:	Exeter Oil Company, Ltd.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	6
Township:	02N	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Exeter-Elerath	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000280718		

2
South
1/2 - 1 Mile

OIL_GAS **CAOG11000280889**

District nun:	2	Api number:	03705961
Blm well:	N	Redrill can:	No
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	18
Township:	02N	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Coffman	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000280889		

3
WNW
1/2 - 1 Mile

OIL_GAS **CAOG11000280734**

District nun:	2	Api number:	03705423
Blm well:	N	Redrill can:	No
Dryhole:	Y	Well status:	P
Operator name:	J. Paul Getty		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	6
Township:	02N	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Foothill Orchards	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000280734		

4
North **OIL_GAS** **CAOG11000280744**
1/2 - 1 Mile

District nun:	2	Api number:	03705449
Blm well:	N	Redrill can:	No
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	6
Township:	02N	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Panorama	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000280744		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91344	175	28

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 91344

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.367 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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John F Kennedy High School
11254 Gothic Avenue
Granada Hills, CA 91344

Inquiry Number: 4971797.5
June 21, 2017

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	X	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	X	X	-
	Haines Company	X	X	X	-
2003	Haines & Company	-	-	-	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1990	PACIFIC BELL WHITE PAGES	-	-	-	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1981	Pacific Telephone	-	-	-	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1976	R.L. Polk & Co Publishers	-	-	-	-
1975	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co.	-	-	-	-
1950	Pacific Telephone	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

11254 Gothic Avenue
Granada Hills, CA 91344

FINDINGS DETAIL

Target Property research detail.

Gothic Ave

11254 Gothic Ave

Year	Uses	Source
2014	KENNEDY SAN FRNANDO ADULT SCHL	EDR Digital Archive
	KEY CLUB INTERNATIONAL	EDR Digital Archive
	LOS ANGELES UNIFIED SCHOOL DST	EDR Digital Archive
2010	EL PROYECTO DEL BARRIO KNNEDY	EDR Digital Archive
	JOHN F KENNEDY SR HIGH SCHOOL	EDR Digital Archive
	KENNEDY SAN FRNANDO ADULT SCHL	EDR Digital Archive
	KEY CLUB INTERNATIONAL	EDR Digital Archive
	LOS ANGELES UNIFIED SCHL DIST	EDR Digital Archive

GOTHIC AVE

11254 GOTHIC AVE

Year	Uses	Source
2004	CMNTYADLTSC	Haines Company
	KENNEDY SANFRNDO	Haines Company
	KENNEDYHIGH	Haines Company
	SCHOOL	Haines Company
1995	Kennedy San Fernando Community Adult School	Pacific Bell
1991	Kennedy John F High School Day High School	Pacific Bell
	Kennedy San Fernando Community Adult School	Pacific Bell
1985	Continuation School	Pacific Bell
	Day High School	Pacific Bell
	Kennedy San Fernando Community Adult School	Pacific Bell
1980	KENNEDY JOHN F HIGH SCHOOL	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	Adult Evening School	Pacific Telephone
	Continuation School	Pacific Telephone
	Day High School	Pacific Telephone
1962	SHUTZ ALEX	Pacific Telephone
1956	SHUTZ ALEX	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

DEBRA AVE

11201 DEBRA AVE

Year	Uses	Source
2004	RUIZ Maria	Haines Company
	SPENA Francisco	Haines Company

11208 DEBRA AVE

Year	Uses	Source
2004	SSIMPSON Edna	Haines Company
	ROACH M	Haines Company
1985	Roach Marge	Pacific Bell
	Roach Michael Bl	Pacific Bell

Debra Ave

11211 Debra Ave

Year	Uses	Source
2010	RIVERA CARLOS R	EDR Digital Archive

DEBRA AVE

11211 DEBRA AVE

Year	Uses	Source
2004	RIVERACarlos	Haines Company
1985	Hurley Kevin	Pacific Bell
1975	Haynes Richard	Pacific Telephone

Debra Ave

11212 Debra Ave

Year	Uses	Source
2010	IACAFE	EDR Digital Archive

FINDINGS

DEBRA AVE

11212 DEBRA AVE

Year	Uses	Source
2004	ORAHIMTOOLA	Haines Company
	Rahimtoola	Haines Company
1985	Rahimtoola Rahimtoola	Pacific Bell
1975	Baker Robt	Pacific Telephone

11216 DEBRA AVE

Year	Uses	Source
2004	0 ZAMORA Amelia	Haines Company
1991	Jones Jas H	Pacific Bell
1975	Jones Jas H	Pacific Telephone

11217 DEBRA AVE

Year	Uses	Source
2004	BRITTINGHAM Ray	Haines Company
1975	Brittingham Ray	Pacific Telephone

Debra Ave

11226 Debra Ave

Year	Uses	Source
2010	CAMPISE GUS PLASTERING	EDR Digital Archive

DEBRA AVE

11226 DEBRA AVE

Year	Uses	Source
2004	CAMPISE Gasper S	Haines Company
1985	Campise Julia	Pacific Bell
	Campisi A	Pacific Bell
	Campisi D	Pacific Bell
	Campise Gasper S	Pacific Bell
1975	Campise Gasper S	Pacific Telephone

11238 DEBRA AVE

Year	Uses	Source
2004	SOTOLuis	Haines Company
1991	Wright Gary	Pacific Bell

FINDINGS

Year	Uses	Source
1985	Wright Gary	Pacific Bell

11241 DEBRA AVE

Year	Uses	Source
2004	MILLER Anna	Haines Company
1991	Miler Geo	Pacific Bell
1985	Miller Geo	Pacific Bell
1975	Bollar Rexford	Pacific Telephone

11244 DEBRA AVE

Year	Uses	Source
2004	SECHARRI Jesus	Haines Company

Debra Ave

11247 Debra Ave

Year	Uses	Source
2014	FEARLESS 5 INC	EDR Digital Archive
2010	FEARLESS 5 INC	EDR Digital Archive

DEBRA AVE

11247 DEBRA AVE

Year	Uses	Source
2004	ADAMSJeana	Haines Company
1991	Frame Daryl K	Pacific Bell

Debra Ave

11250 Debra Ave

Year	Uses	Source
2014	LOVEL	EDR Digital Archive

DEBRA AVE

11250 DEBRA AVE

Year	Uses	Source
2004	OSANDOVALHeliodoro	Haines Company

FINDINGS

Donmetz St

16341 Donmetz St

Year	Uses	Source
2014	LOS ANGELES UNIFIED SCHOOL DST	EDR Digital Archive
2010	LOS ANGELES UNIFIED SCHL DIST	EDR Digital Archive

DONMETZ ST

16341 DONMETZ ST

Year	Uses	Source
2004	SCHOOL	Haines Company
	ADDAMSJANE HIGH	Haines Company

16400 DONMETZ ST

Year	Uses	Source
2004	no info	Haines Company

16408 DONMETZ ST

Year	Uses	Source
2004	0 FUNKJabin	Haines Company

16416 DONMETZ ST

Year	Uses	Source
1985	Martinez Ruben	Pacific Bell
	Martinez Ruben	Pacific Bell
1975	Martinez Ruben	Pacific Telephone

16418 DONMETZ ST

Year	Uses	Source
2004	SALGUEROWaldemar	Haines Company
	TUCKER Olirer	Haines Company

16422 DONMETZ ST

Year	Uses	Source
2004	CABALLERO Raul	Haines Company
1975	Tenenbaum Theodore	Pacific Telephone

16423 DONMETZ ST

Year	Uses	Source
2004	VEGA Daniel	Haines Company
1975	Gainer Hazel	Pacific Telephone

FINDINGS

GOTHIC AVE

11142 GOTHIC AVE

Year	Uses	Source
2004	WILHITE Manhde	Haines Company
	SUR Veronica	Haines Company
1995	Sur Veronica	Pacific Bell
1991	Sur Veronica	Pacific Bell
1985	Johnson Henry Jr	Pacific Bell
	Johnson Henry Jr	Pacific Bell
1980	JOHNSON HENRY JR	Pacific Telephone
1975	Johnson Henry Jr	Pacific Telephone

11148 GOTHIC AVE

Year	Uses	Source
2004	IBARRAYesenia	Haines Company
	a LOEZA Manolo	Haines Company
1991	Fassio Sherry	Pacific Bell
	Fassionola Products	Pacific Bell
1985	Lagasse R L	Pacific Bell
1980	WAHL B C	Pacific Telephone
1975	Lindgreen Inge	Pacific Telephone
	Lindgreen Wilmar	Pacific Telephone

11154 GOTHIC AVE

Year	Uses	Source
2004	REED Alice M	Haines Company
1995	Reed Alice M	Pacific Bell
1991	Reed Alice M	Pacific Bell
1985	Reed Alice M	Pacific Bell
	Reed Allen p Cty	Pacific Bell
1980	REED ALICE M	Pacific Telephone
1975	Reed Alice M	Pacific Telephone
1970	OLIVER ALFRED	Pacific Telephone
	OLIVER ALFRED	Pacific Telephone
1956	KRAUITZ MICHAEL F JR	Pacific Telephone

11201 GOTHIC AVE

Year	Uses	Source
2004	OPOWER Eileen	Haines Company

FINDINGS

Year	Uses	Source
1962	POWER WM C	Pacific Telephone

11206 GOTHIC AVE

Year	Uses	Source
1956	SWIND WM E	Pacific Telephone

11209 GOTHIC AVE

Year	Uses	Source
2004	FAZON Brian	Haines Company
1995	Barlis Felimon	Pacific Bell
1985	Burns Ernest J Jr	Pacific Bell
	Burns Mercedes	Pacific Bell
1980	BURNS ERNEST J JR	Pacific Telephone
1975	Burns Ernest J Jr	Pacific Telephone
1970	BURNS ERNEST J JR	Pacific Telephone
	BURNS ERNEST J JR	Pacific Telephone

11212 GOTHIC AVE

Year	Uses	Source
1962	WARMAN F S	Pacific Telephone

11217 GOTHIC AVE

Year	Uses	Source
2004	PEREZAr luro	Haines Company
1991	Perez Arturo	Pacific Bell
1980	BOYCE DEBRA	Pacific Telephone
	EMES JOYCE	Pacific Telephone
	YATES ROXANNE	Pacific Telephone
1975	Tande Sherman	Pacific Telephone
1970	TANDE SHERMAN	Pacific Telephone
	TANDE SHERMAN	Pacific Telephone
1962	BERGMAN NORMAN	Pacific Telephone
1956	REO DOMINIC	Pacific Telephone

11218 GOTHIC AVE

Year	Uses	Source
1962	LIDDY CLIFFORD M	Pacific Telephone
1956	LIDDY CLIFFORD M GRANADA HILLS	Pacific Telephone

FINDINGS

11223 GOTHIC AVE

Year	Uses	Source
2004	MENSAHDean	Haines Company
1985	Depas Jose Fermin	Pacific Bell
1980	OLIPHANT JOHN R	Pacific Telephone
1962	CUMMINS DOROTHY L	Pacific Telephone
1956	KING WM S	Pacific Telephone

11224 GOTHIC AVE

Year	Uses	Source
1956	LEBOWITZ HARRY	Pacific Telephone

11229 GOTHIC AVE

Year	Uses	Source
2004	SPIEDRA Podiro	Haines Company
	BETANCOURTMsria	Haines Company
1985	Verdugo Lydia M	Pacific Bell
	Verdugo M & C	Pacific Bell
	Verdugo Rosie	Pacific Bell
1975	Weiss Bl H	Pacific Telephone
1956	PIERCE FRANK D	Pacific Telephone

11237 GOTHIC AVE

Year	Uses	Source
2004	OVANDO Carlos	Haines Company
1962	HOZENDORF GLENN F	Pacific Telephone
1956	SECOR ROBT L	Pacific Telephone

11240 GOTHIC AVE

Year	Uses	Source
1962	MURPHY RUTH B	Pacific Telephone

11243 GOTHIC AVE

Year	Uses	Source
1962	PASSALACQUA BARBARA	Pacific Telephone

11249 GOTHIC AVE

Year	Uses	Source
2004	FORD Lily	Haines Company
1985	Mazon Adolfo & Evangelina	Pacific Bell
1980	SHELL C	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	Murphy Ruth B	Pacific Telephone
1970	MURPHY RUTH B	Pacific Telephone
	MURPHY RUTH B	Pacific Telephone
1956	MURPHY RUTH B	Pacific Telephone

11261 GOTHIC AVE

Year	Uses	Source
2004	MAXIMO Maria	Haines Company
1975	Head David A	Pacific Telephone
1962	THOMAS EDW H	Pacific Telephone

11300 GOTHIC AVE

Year	Uses	Source
1956	LAMPSON F K	Pacific Telephone

Gothic Ave

11301 Gothic Ave

Year	Uses	Source
2010	CARMEN ESCALANTE	EDR Digital Archive

GOTHIC AVE

11301 GOTHIC AVE

Year	Uses	Source
2004	CMNTYADLTSC	Haines Company
	ESCALANTE Elvidia	Haines Company
	BARRAGAN Oscar	Haines Company
1995	Escalante Elvidta	Pacific Bell
1962	MONTEITH CHASTEEN	Pacific Telephone

11309 GOTHIC AVE

Year	Uses	Source
2004	GAMEZ Francsco	Haines Company
	MIGUELGabriela	Haines Company
1980	IMPETT E R	Pacific Telephone
1975	Impett E R	Pacific Telephone
1970	MOLINARI JOHN B	Pacific Telephone
	MOLINARI JOHN B	Pacific Telephone
1962	MOLINARI JOHN B	Pacific Telephone

FINDINGS

11312 GOTHIC AVE

Year	Uses	Source
1962	FERA VETO F	Pacific Telephone

Gothic Ave

11315 Gothic Ave

Year	Uses	Source
2014	ACTION RS INC	EDR Digital Archive
	BARBECUE RUSTLERS CATERING	EDR Digital Archive
2010	BARBECUE RUSTLERS CATERING	EDR Digital Archive
	ACTION RS INC	EDR Digital Archive

GOTHIC AVE

11315 GOTHIC AVE

Year	Uses	Source
2004	RIVERAB	Haines Company
1995	Rivera B	Pacific Bell
1991	Rivera Belen	Pacific Bell
	Rivera Ben	Pacific Bell
	Rivera Blvd Pac	Pacific Bell
	Rivera B	Pacific Bell
1985	Rivera Bl	Pacific Bell
1980	RIVERA B	Pacific Telephone

11341 GOTHIC AVE

Year	Uses	Source
2004	CAMACHORaul	Haines Company
	MORSILLOGOMEZ	Haines Company
	CARMEN	Haines Company
1980	JOHNSTON ERIC	Pacific Telephone
1975	Neiss Robt	Pacific Telephone
1970	NUTTALL GORDON	Pacific Telephone
	NUTTALL GORDON	Pacific Telephone

11345 GOTHIC AVE

Year	Uses	Source
2004	GUTIERREZHugo	Haines Company
1991	Harrod John	Pacific Bell
	Harrold Joey	Pacific Bell

FINDINGS

Year	Uses	Source
1991	Harrold L	Pacific Bell

INDEX ST

16317 INDEX ST

Year	Uses	Source
1962	NEWELL HAROLD	Pacific Telephone

16327 INDEX ST

Year	Uses	Source
1962	ENGLE I J	Pacific Telephone

16333 INDEX ST

Year	Uses	Source
1962	CONWAY JOS L	Pacific Telephone
1956	GRAY WALTER H REV	Pacific Telephone

16338 INDEX ST

Year	Uses	Source
1962	YOUNKIN JAS A	Pacific Telephone

16343 INDEX ST

Year	Uses	Source
1956	PRICE THOS L	Pacific Telephone

16346 INDEX ST

Year	Uses	Source
1962	BELLMAN HOWARD C	Pacific Telephone

16351 INDEX ST

Year	Uses	Source
1962	JAMESON BILLY J	Pacific Telephone

16364 INDEX ST

Year	Uses	Source
2004	SEBASTIAN Anthony	Haines Company
1985	Palazzolo M A	Pacific Bell
	Palazzolo Jos	Pacific Bell
	Palazzolo Bosco	Pacific Bell
1980	PALAZZOLO SEBASTIAN A	Pacific Telephone
1975	Palazzolo Sebastian A	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	PALAZZOLO SEBASTIAN A	Pacific Telephone
	PALAZZOLO SEBASTIAN A	Pacific Telephone
1962	PALAZZOLO SEBASTIAN A	Pacific Telephone
1956	PALAZZOLO SEBASTIAN A	Pacific Telephone

16400 INDEX ST

Year	Uses	Source
2004	ARELLANOJubo	Haines Company
1962	KIMURA BENJ T GRANADA HILLS	Pacific Telephone
1956	NEWELL DOUGLAS	Pacific Telephone

16408 INDEX ST

Year	Uses	Source
1985	Orlando P	Pacific Bell
	Orlando N W	Pacific Bell
1980	ORLANDO N W	Pacific Telephone
1975	Orlando N W	Pacific Telephone
1970	ORLANDO N W	Pacific Telephone
	ORLANDO N W	Pacific Telephone
1962	ORLANDO N W	Pacific Telephone
1956	GROB F RICHARD REV	Pacific Telephone

16415 INDEX ST

Year	Uses	Source
2004	SCHO Sung	Haines Company
1985	Moffettd J	Pacific Bell
	Moffett Harold & Vicki	Pacific Bell
	Moffettl	Pacific Bell
1962	SAVOCA JOS O	Pacific Telephone

Index St

16416 Index St

Year	Uses	Source
2014	BASELINE CONSTRUCTION INC	EDR Digital Archive
	GSAS ENTERPRISE INC	EDR Digital Archive
2010	BASELINE CONSTRUCTION INC	EDR Digital Archive

FINDINGS

INDEX ST

16416 INDEX ST

Year	Uses	Source
2004	OWILLETTAndrea	Haines Company
	TEIFEL Martin	Haines Company
	GIULIANA Ignaana	Haines Company
1985	Schambers Fred	Pacific Bell
	Schambera Tim	Pacific Bell
	Schambers Clark	Pacific Bell
	Schambera Sam	Pacific Bell
1980	MCPHERSON KENNETH	Pacific Telephone
1975	Mc Pherson Kenneth	Pacific Telephone
1962	LITTLETON THEO	Pacific Telephone

16421 INDEX ST

Year	Uses	Source
2004	MARROQUINOscar	Haines Company
1970	BEDSOLE RICHARD W	Pacific Telephone
	BEDSOLE RICHARD W	Pacific Telephone
1962	RICKS CONNIE J	Pacific Telephone

16426 INDEX ST

Year	Uses	Source
2004	FPERRINChnstly	Haines Company
1962	NEZHNI NATHAN N	Pacific Telephone
1956	KASTNER WOODROW A	Pacific Telephone

Index St

16429 Index St

Year	Uses	Source
2010	PAVILION WIDE CORP	EDR Digital Archive

INDEX ST

16429 INDEX ST

Year	Uses	Source
2004	no info	Haines Company
1985	De Haven David G & Shandi	Pacific Bell
1980	DEHAVEN DAVID G & SHANDI	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	HESKETT JEAN	Pacific Telephone
	HESKETT JEAN	Pacific Telephone
1962	HESKETT GORDON M	Pacific Telephone

16430 INDEX ST

Year	Uses	Source
2004	SSILVAOswan	Haines Company
1980	LUTHER GEO	Pacific Telephone
1975	Luther George G	Pacific Telephone
1970	LUTHER GEO G	Pacific Telephone
	LUTHER GEO G	Pacific Telephone
1962	LUTHER GEO G	Pacific Telephone
1956	LUTHER GEO G	Pacific Telephone

Index St

16434 Index St

Year	Uses	Source
2010	FELIPE MAGANA PLUMBING	EDR Digital Archive

INDEX ST

16434 INDEX ST

Year	Uses	Source
2004	OGRINDSTAFF Forest C	Haines Company
1980	GRINDSTAFF F C	Pacific Telephone
1975	Grindstaff F C	Pacific Telephone
1956	GRINDSTAFF FOREST C JR	Pacific Telephone

16435 INDEX ST

Year	Uses	Source
2004	ABRADBURYGary	Haines Company
1991	Mugavero Paul	Pacific Bell
1985	Farrell La Vonne	Pacific Bell
1980	FARRELL LAVONNE	Pacific Telephone
1975	Dozier Claude	Pacific Telephone
1970	KUHN ROBT C	Pacific Telephone
	KUHN ROBT C	Pacific Telephone
1962	ROWLEY ROBT E	Pacific Telephone

FINDINGS

VALJEAN AVE

11141 VALJEAN AVE

Year	Uses	Source
1985	De La Vega Federico	Pacific Bell

11144 VALJEAN AVE

Year	Uses	Source
2004	SGURIOSONick	Haines Company
1975	Ault Russell S	Pacific Telephone
1970	AULT RUSSELL S	Pacific Telephone
	AULT RUSSELL S	Pacific Telephone
1962	SMEDLEY D D	Pacific Telephone
1956	SMEDLEY D D	Pacific Telephone

Valjean Ave

11149 Valjean Ave

Year	Uses	Source
2010	RHIVER MANAGEMENT SERVICES	EDR Digital Archive

VALJEAN AVE

11149 VALJEAN AVE

Year	Uses	Source
2004	RHIVERJ	Haines Company
	RHIVER M	Haines Company
1995	Cedro MF	Pacific Bell
1962	COPELAND CHAS B	Pacific Telephone
1956	AUSTIN SIMON V	Pacific Telephone

11152 VALJEAN AVE

Year	Uses	Source
2004	SLEGASPIGabriela	Haines Company
1980	ESTRADA DORA	Pacific Telephone
1975	Estrada Dora	Pacific Telephone
1970	WILLIAMS JACK C	Pacific Telephone
	WILLIAMS GEO K	Pacific Telephone
	WILLIAMS JACK C	Pacific Telephone
	WILLIAMS GEO K	Pacific Telephone
1962	MCGONAGLE RICHARD	Pacific Telephone

FINDINGS

Year	Uses	Source
1956	MCGONAGLE RICHARD	Pacific Telephone

11157 VALJEAN AVE

Year	Uses	Source
1956	SMITH PAUL S	Pacific Telephone

11160 VALJEAN AVE

Year	Uses	Source
1962	WILES JAS T	Pacific Telephone
1956	MARTIN GEO E	Pacific Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
11254 Gothic Avenue	2006, 2003, 2001, 2000, 1999, 1996, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
11141 VALJEAN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11142 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11144 VALJEAN AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11148 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11149 VALJEAN AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11149 Valjean Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11152 VALJEAN AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11154 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11157 VALJEAN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11160 VALJEAN AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11201 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11201 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11206 GOTHIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11208 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11209 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11211 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11211 Debra Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11212 Debra Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11212 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11212 GOTHIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11216 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11217 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11217 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11218 GOTHIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11223 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11224 GOTHIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11226 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11226 Debra Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11229 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11237 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11238 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11240 GOTHIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11241 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11243 GOTHIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11244 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11247 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11247 Debra Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11249 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11250 DEBRA AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11250 Debra Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11261 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11300 GOTHIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11301 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11301 Gothic Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11309 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11312 GOTHIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11315 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1992, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11315 Gothic Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11341 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11345 GOTHIC AVE	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16317 INDEX ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
16327 INDEX ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16333 INDEX ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16338 INDEX ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16341 DONMETZ ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16341 Donmetz St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16343 INDEX ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16346 INDEX ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16351 INDEX ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16364 INDEX ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16400 DONMETZ ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16400 INDEX ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
16408 DONMETZ ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16408 INDEX ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16415 INDEX ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16416 DONMETZ ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16416 INDEX ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16416 Index St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16418 DONMETZ ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16421 INDEX ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16422 DONMETZ ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16423 DONMETZ ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16426 INDEX ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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16429 Index St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16430 INDEX ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16434 INDEX ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16434 Index St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
16435 INDEX ST	2014, 2010, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

John F Kennedy High School
11254 GOTHIC AVE
GRANADA HILLS, CA 91344

Inquiry Number: 4970866.8
June 19, 2017

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of GeoSyntec Consultants on Jun 19, 2017.

TARGET PROPERTY

11254 GOTHIC AVE
GRANADA HILLS, CA 91344

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Los Angeles

Year	*Source*	*TP*	*Adjoining*
2017	City of Los Angeles, Department of Building and Safety		X
2016	City of Los Angeles, Department of Building and Safety		X
2015	City of Los Angeles, Department of Building and Safety		X
2014	City of Los Angeles, Department of Building and Safety		X
2013	City of Los Angeles, Department of Building and Safety		X
2012	City of Los Angeles, Department of Building and Safety		X
2011	City of Los Angeles, Department of Building and Safety		X
2010	City of Los Angeles, Department of Building and Safety		X
2009	City of Los Angeles, Department of Building and Safety		X
2008	City of Los Angeles, Department of Building and Safety		X
2007	City of Los Angeles, Department of Building and Safety		X
2006	City of Los Angeles, Department of Building and Safety		X
2005	City of Los Angeles, Department of Building and Safety		X
2004	City of Los Angeles, Department of Building and Safety		X
2003	City of Los Angeles, Department of Building and Safety		X
2002	City of Los Angeles, Department of Building and Safety		X
	City of Los Angeles, Department of Building and Safety	X	
2001	City of Los Angeles, Department of Building and Safety		X
2000	City of Los Angeles, Department of Building and Safety		X
1999	City of Los Angeles, Department of Building and Safety		X
1998	City of Los Angeles, Department of Building and Safety		X
1997	City of Los Angeles, Department of Building and Safety		X
1996	City of Los Angeles, Department of Building and Safety		X
1995	City of Los Angeles, Department of Building and Safety		
1994	City of Los Angeles, Department of Building and Safety		
1993	City of Los Angeles, Department of Building and Safety		
1992	City of Los Angeles, Department of Building and Safety		
1991	City of Los Angeles, Department of Building and Safety		

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

Year	Source	TP	Adjoining
1990	City of Los Angeles, Department of Building and Safety		
1989	City of Los Angeles, Department of Building and Safety		
1988	City of Los Angeles, Department of Building and Safety		

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Los Angeles
Years: 1988-2017
Source: City of Los Angeles, Department of Building and Safety, Los Angeles, CA
Phone: (213) 482-6800

Name: Los Angeles County
Years: 1988-2017
Source: Los Angeles County, Building and Safety, LOS ANGELES, CA
Phone: (626) 458-6368

Name: San Bernardino County
Years: 2002-2017
Source: San Bernardino County, Land Use, Building & Safety, BLOOMINGTON, CA
Phone: (909) 387-8311

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

11254 GOTHIC AVE
GRANADA HILLS, CA 91344

11254 GOTHIC AVE

Date:	**9/26/2002**
Permit Type:	
Description:	**No Plan Check TEMP. POWER POLE FOR NEW TENNIS COURT.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Commercial
Permit Number:	020411000021418
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	NATIONAL CONSTRUCTION RENTALS

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

DEBRA AVE

11201 DEBRA AVE

Date:	**12/30/2008**
Permit Type:	
Description:	**No Plan Check Earthquake Valve**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	080429000024795
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	CONTRACTOR CONNECTION THE

Date:	**10/17/2007**
Permit Type:	
Description:	**No Plan Check "COMPLY WITH DEPARTMENT ORDER effective date 07/31/2006. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE". RELOCATE AND UPGRADE SERVICE TO 200 AMP.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070412000025180
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

11208 DEBRA AVE

C.O. Issued Date:	**7/15/2010**
Date:	**5/10/2010**
Permit Type:	
Description:	**Plan Check ADD 12'X34' PATIO TO THE (E) SFD. ALL WORK PER TYPE V SHEET.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence Single Family Residence
Permit Number:	100142000001681
Status:	
Valuation:	$6,200.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**2/16/2010**
Permit Type:	
Description:	**No Plan Check INSTALL CLOTHES WASHER, DRYER. SEWER ENGINEERING NUMBER 124993-63.**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	100422000002527
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ARTECO BUILDERS

ADJOINING PROPERTY FINDINGS

Date: **12/21/2009**
Permit Type:
Description: **No Plan Check Kitchen and two (2) bathroom remodel for residential buildings (no structural changes). Window change-outs (same size, type and location) for residential buildings. Dual glazing, labeled and certified by National Fenestration Rating Council (NFRC), is er Section 52(b) of Title 24. Stucco patch @ left side of house. (100 sq. ft). Valuation to be verified by field inspector.**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 090162000021029
Status:
Valuation: $20,000.00
Contractor Company:
Contractor Name: ARTECO BUILDERS

Date: **12/21/2009**
Permit Type:
Description: **No Plan Check 100 AMP. SERVICE UPGRADE AND ADD (3) NEW CIRCUITS.**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 090412000024203
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: ARTECO BUILDERS

ADJOINING PROPERTY FINDINGS

Date: **12/21/2009**
Permit Type:
Description: **No Plan Check INSTALL NEW HVAC SPLIT SYSTEM.**

Permit Description: **HVAC**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 090442000011679
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: ARTECO BUILDERS

11211 DEBRA AVE

Date: **7/12/2014**
Permit Type:
Description: **No Plan Check Circuit**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 140419000018808
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: AMERICAN COMPLETE HOME SERVICES INC

Date: **7/8/2014**
Permit Type:
Description: **No Plan Check Package unit, duct work, gas extension.**

Permit Description: **HVAC**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 140449000006817
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: AMERICAN COMPLETE HOME SERVICES INC

ADJOINING PROPERTY FINDINGS

Date: **1/21/2014**
Permit Type:
Description: **No Plan Check ADD A DEDICATED GFCI CIRCUIT FOR (2) MO ORS IN BATHTUB.**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 140411000001675
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: GREENWORKSUS

Date: **1/21/2014**
Permit Type:
Description: **No Plan Check REPLACE EXISTING BATHTUB WITH NEW WALK- N BATHTUB. NO NEW CONSTRUCTION. NEW BATHTUB WILL SLIDE INTO EXISTING BATHTUB'S LOCATION. ALL EXISITNG PLUMBING WILL BE USED.**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 140421000001152
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: GREENWORKSUS

Date: **8/11/2009**
Permit Type:
Description: **No Plan Check 100 AMP SERVICE UPGRADE.**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 090412000014935
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date: **3/12/2002**
Permit Type:
Description: **No Plan Check Earthquake Valve**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 020421000005499
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: CONTRACTOR CONNECTION THE

11212 DEBRA AVE

Date: **6/10/2004**
Permit Type:
Description: **No Plan Check 700 AMP PANEL UPGRADE**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 040413000014382
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: ON DEMAND ELECTRIC

ADJOINING PROPERTY FINDINGS

11238 DEBRA AVE

Date:	**6/11/2004**
Permit Type:	
Description:	**No Plan Check INSTALL SEWER CLEANOUT**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	040422000017121
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

11241 DEBRA AVE

Date:	**3/16/2004**
Permit Type:	
Description:	**No Plan Check KITCHEN REMODEL: REPLACE FLOORS, CABINETS AND COUNTERTOPS. INCLUDE RELATED PLUMBING AND ELECTRICAL. VALUATION TO BE VERIFIED BY THE FIELD INSPECTOR.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	040162000004841
Status:	
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	GLOBE REMODELING

ADJOINING PROPERTY FINDINGS

11244 DEBRA AVE

Date:	**7/27/2004**
Permit Type:	
Description:	**Plan Check ADD 6'X 18'6" WALK-IN CLOSET AND MASTER BEDROOM EXTENSION, 19'X 29'6" FAMILY RM, KITCHEN, 1/2 BATHROOM AND LAUNDRY RM TO THE EXISTING SFD CONVERT (E) KITCHEN TO DINING RM. INCLUDE INTERIOR REMODEL TO ADJOINING RMS PER PLAN. ALL WORK PER THE TYPE "V" SHEET.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	040142000006705
Status:	
Valuation:	$39,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**6/1/2004**
Permit Type:	
Description:	**Plan Check 120' LONG, MAX. 6' HIGH FREE STANDING CMU FENCE WALL PER LA CITY STD.**
Permit Description:	**Nonbldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Misc. Bldg or Structure
Permit Number:	040202000002099
Status:	
Valuation:	$6,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

11247 DEBRA AVE

Date:	**9/14/2011**
Permit Type:	
Description:	**No Plan Check Reroof with 14 sqrs BUILT UP roofing. Existing solid sheathing.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	110169000018149
Status:	
Valuation:	$2,800.00
Contractor Company:	
Contractor Name:	MI SONG CONSTRUCTION

Date:	**9/9/2011**
Permit Type:	
Description:	**No Plan Check sunp pump**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	110429000015911
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	BAJA PLUMBING INC

ADJOINING PROPERTY FINDINGS

DONMETZ ST

16408 DONMETZ ST

Date:	**5/20/2008**
Permit Type:	
Description:	**No Plan Check Interior kitchen remodel/repair (no changes in walls or openings).**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	080169000008616
Status:	
Valuation:	$9,500.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**3/9/2002**
Permit Type:	
Description:	**No Plan Check Seismic Gas Shut-off Valve**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	020421000005174
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

16423 DONMETZ ST

Date:	**7/5/2012**
Permit Type:	
Description:	**No Plan Check 200 AMP SERVICE UPGRADE**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	120411000015558
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PONDEROSA PINES GEN CONTRACTORS

Date:	**8/23/2000**
Permit Type:	
Description:	**No Plan Check T/O (E) ROOF, INSTALL ROCK ROOF (HOT MOP CLASS) "A". SMOKE DETECTORS REQUIRED.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	000162000016142
Status:	
Valuation:	$2,750.00
Contractor Company:	
Contractor Name:	HOME & CASTLE CONSTRUCTION

ADJOINING PROPERTY FINDINGS

16428 DONMETZ ST

Date:	**11/3/2015**
Permit Type:	
Description:	**No Plan Check**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	150419000036940
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	360 MANAGEMENT GROUP INC

Date:	**11/3/2015**
Permit Type:	
Description:	**No Plan Check**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	150429000022039
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	360 MANAGEMENT GROUP INC

Date:	**10/27/2015**
Permit Type:	
Description:	**No Plan Check**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	150419000036060
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	360 MANAGEMENT GROUP INC

ADJOINING PROPERTY FINDINGS

Date:	**11/29/2001**
Permit Type:	
Description:	**No Plan Check FIRE DAMAGE REPAIR (MAXIMUM 10%, NO STRUCTURAL) INCLUDING REPLACING WALL HEATER AND ELECTRICAL. CHANGE OUT 1 WINDOW (SAME SIZE, TYPE). VALUATION TO BE VERIFIED BY FIELD INSPECTOR.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	010162000022975
Status:	
Valuation:	$7,500.00
Contractor Company:	
Contractor Name:	CORNERSTONE RECONSTRUCTION CORPORATION

16438 DONMETZ ST

Date:	**10/4/2010**
Permit Type:	
Description:	**No Plan Check change out wall furnace**
Permit Description:	**HVAC**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	100449000009659
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	RELIABLE ENERGY MANAGEMENT INC

ADJOINING PROPERTY FINDINGS

16441 DONMETZ ST

Date:	**10/30/2008**
Permit Type:	
Description:	**No Plan Check 200 amp panel upgrade**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	080419000024111
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

16456 DONMETZ ST

Date:	**3/14/2012**
Permit Type:	
Description:	**No Plan Check CEILING INSULATION & ATTIC VENTILATION**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	120161000004259
Status:	
Valuation:	$780.00
Contractor Company:	
Contractor Name:	WAIZENEGGER

ADJOINING PROPERTY FINDINGS

16459 DONMETZ ST

Date:	**9/2/2009**
Permit Type:	
Description:	**No Plan Check Panel upgrade.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	090419000016542
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

16460 DONMETZ ST

Date:	**3/30/2017**
Permit Type:	
Description:	**No Plan Check Supplemental permit to permit number 16**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	160162000128154
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date: **11/22/2016**
Permit Type:
Description: **No Plan Check Replace 1 window(s). Same size, locatio**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 160169000028154
Status:
Valuation: $501.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **5/11/2016**
Permit Type:
Description: **Plan Check SUPPLEMENTAL TO PERMIT 15014-20000-0598**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence Single Family Residence
Permit Number: 150142000205986
Status:
Valuation: $2,000.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **4/12/2016**
Permit Type:
Description: **No Plan Check SUPPLEMENTAL PERMITOF 15014-20000-05986**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 150142000105986
Status:
Valuation: $501.00
Contractor Company:
Contractor Name: OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date: **12/30/2015**
Permit Type:
Description: **Plan Check 20'X 20' GARAGE CONVERSION TO 2 BEDROOM**

Permit Description: **Bldg-Addition**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence Single Family Residence
Permit Number: 150142000005986
Status:
Valuation: $23,560.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **10/10/2003**
Permit Type:
Description: **No Plan Check INSTALLATION OF EARTHQUAKE GAS SHUT-OFF VALVE.**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 030429100031783
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: SEISMIC SERVICES SPECIALISTS

16465 DONMETZ ST

Date: **4/16/2008**
Permit Type:
Description: **No Plan Check REPIPE**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 080422000007167
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: SKETCHLEY & MASON INC

ADJOINING PROPERTY FINDINGS

16501 DONMETZ ST

Date:	**10/4/2013**
Permit Type:	
Description:	**No Plan Check Sewer repair**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	130429000019576
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	NEW PIPE PLUMBING & ROOTER

Date:	**6/23/2010**
Permit Type:	
Description:	**No Plan Check Partial re-stucco (no new walls added). Partial re-roof with Class A or B material weighing less than 6 pound per sq. ft. Smoke detectors required. No structural changes. Valuation to be verified by the field inspector.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	100162000011228
Status:	
Valuation:	$400.00
Contractor Company:	
Contractor Name:	CLOCK WORK CONSTRUCTION

ADJOINING PROPERTY FINDINGS

Date:	**6/23/2010**
Permit Type:	
Description:	**No Plan Check UPGRADE AND RELOCATE 200 AMP SERVICE.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	100412000012006
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	CLOCK WORK CONSTRUCTION

Date:	**5/9/1997**
Permit Type:	
Description:	**No Plan Check REPIPE 8 FIXTURES, 3 HBVB, WATER SERVICE, PRESSURE REGULATOR**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	970422000003562
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	STARR PLUMBING

ADJOINING PROPERTY FINDINGS

GOTHIC AVE

11142 GOTHIC AVE

Date:	**4/24/2017**
Permit Type:	
Description:	**No Plan Check**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	170412000013356
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

C.O. Issued Date:	**10/31/2016**
Date:	**10/13/2016**
Permit Type:	
Description:	**Plan Check (N) 16'-5" X 21'-5" ADDITION TO EXTEND**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	160142000004316
Status:	
Valuation:	$36,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**6/29/2016**
Permit Type:	
Description:	**No Plan Check 4 doors and 1 garage door change-out (s**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	160162000015065
Status:	
Valuation:	$10,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

C.O. Issued Date:	**9/17/2007**
Date:	**6/21/2007**
Permit Type:	
Description:	**Plan Check 23'2" X 11' BEDROOM ADDITION. INTERIOR REMODEL TO CONVERT (E)BEDROOM TO (N) LAUNDRY ROOM/DINING ROOM EXTENSION. CONVERT (E) FAMILY ROOM TO (N) BEDROOM/BATH & DINING ROOM EXTENSION. ALL WORK PER TYPE V SHEET.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	070142000004279
Status:	
Valuation:	$34,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**4/13/2001**
Permit Type:	
Description:	**Plan Check CHANGE ROOF FRAMING OVER (E) LIVING RM (RAISING HEIGHT OF BUILDING) PER ENG's DETAIL**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	010162000006483
Status:	
Valuation:	$9,000.00
Contractor Company:	
Contractor Name:	YOUNG JIN DEVELOPMENT & CONSTRUCTION

11154 GOTHIC AVE

Date:	**3/31/2017**
Permit Type:	
Description:	**No Plan Check**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	170419000010545
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SUNRUN INSTALLATION SERVICES INC

ADJOINING PROPERTY FINDINGS

Date: **1/18/2008**
Permit Type:
Description: **Plan Check REBUILD 18' X 18' ATTACHED CAPORT PER LA CITY STD @ FRONT.**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 080162000000908
Status:
Valuation: $4,000.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **8/16/2007**
Permit Type:
Description: **No Plan Check INSTALL PACKAGE UNIT, DUCTWORK.**

Permit Description: **HVAC**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 070442000008596
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **8/1/2007**
Permit Type:
Description: **No Plan Check T/O EXISTING ROOF - PARTIAL REPLACEMENT OF 1/2" CDX PLYWOOD - APPLY 16 SQS. OF 30 YR., CLASS "A" COMP SHINGLES - SMOKE DETECTORS REQUIRED**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 070162000014517
Status:
Valuation: $5,000.00
Contractor Company:
Contractor Name: OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date: **8/1/2007**
Permit Type:
Description: **No Plan Check UPGRADE SERVICE TO 200 AMPS**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 070412000018637
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **7/30/2007**
Permit Type:
Description: **No Plan Check install eq valve**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 070429000016437
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: DISCOUNT RETROFITTER

11201 GOTHIC AVE

Date: **8/21/2014**
Permit Type:
Description: **No Plan Check Installing package unit carrier 3.5 ton**

Permit Description: **HVAC**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 140449000008450
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: FAHRENHEIT HEATING AND AIR CONDITIONING

ADJOINING PROPERTY FINDINGS

Date: **4/12/2001**
Permit Type:
Description: **No Plan Check A/C UNIT & 5 OUTLETS**

Permit Description: **HVAC**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 010441000003345
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: BRAZIL GEORGE PLUMBING HEATING AIR CONDITIONING

Date: **1/5/2001**
Permit Type:
Description: **No Plan Check 2 WALL HEATER AND 2 VENTS**

Permit Description: **HVAC**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 010443000000130
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: BRAZIL GEORGE PLUMBING HEATING AIR CONDITIONING

11209 GOTHIC AVE

Date: **12/6/2002**
Permit Type:
Description: **No Plan Check INSTALL 1 EARTHQUAKE VALVE**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 020429000037890
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: PRC MECHANICAL

ADJOINING PROPERTY FINDINGS

11217 GOTHIC AVE

Date:	**12/23/2002**
Permit Type:	
Description:	**Plan Check SUPPLEMENTAL TO PERMIT #02VN21915 TO REVISE FOOTING DETAIL PER ENGINEERED PLANS**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	020142000108356
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**12/17/2002**
Permit Type:	
Description:	**Plan Check ADD 14' X 11' BEDRM EXTENSION PER TYPE V SHT. "COMPLY W/ DEPT ORDER DATED 12-9-02. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE"**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	020142000008356
Status:	
Valuation:	$12,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

11223 GOTHIC AVE

Date:	**7/25/2013**
Permit Type:	
Description:	**Plan Check DEMO (E) SFD W/ ATTACHED GARAGE TO CLEAR THE LOT**
Permit Description:	**Bldg-Demolition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Misc. Bldg or Structure Single Family Residence
Permit Number:	130192000001954
Status:	
Valuation:	$8,700.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**4/24/2013**
Permit Type:	
Description:	**Plan Check INSTALL FIRE SPRINKLER SYSTEM IN NEW SIN GLE FAMILY DWELLING.**
Permit Description:	**Fire Sprinkler**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	130432000001290
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	B & A FIRE PROTECTION INC

ADJOINING PROPERTY FINDINGS

C.O. Issued Date: **8/5/2013**
Date: **3/14/2013**
Permit Type:
Description: **Plan Check 55'-10" x 58' 1 STORY SPRINKLERED SFD W/ ATT GARAGE.**

Permit Description: **Bldg-New**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 120102000002779
Status:
Valuation: $259,250.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **3/11/2013**
Permit Type:
Description: **No Plan Check 100 AMP TEMP POWER POLE**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 130412000006288
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: MAX & SON CONSTRUCTION

Date: **6/13/2006**
Permit Type:
Description: **No Plan Check INSTALL 200 AMP. CTS.**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 060412000014234
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**6/5/2006**
Permit Type:	
Description:	**Plan Check Rebuild (E)SFD by removing (E)SFD with attached garage, except (E) portion of wall to North in garage. Add 56'-8" x 63'-2" irreg. shaped 2 story addition.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	060142000002058
Status:	
Valuation:	$331,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**4/22/2004**
Permit Type:	
Description:	**Plan Check Misc addition 13 x 17 creating new family room and a 14' x 28' irr addition enlarging the bedroom and living room. Interior remodel creating powder room, re-frame the entire roof for light weight concrete tile per LARR#7320. Work results in s 4 bdrm. 2 - 1/2 bath SFD. 309sf**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	040147000003460
Status:	
Valuation:	$35,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

11229 GOTHIC AVE

Date:	**4/25/2002**
Permit Type:	
Description:	**No Plan Check APPLY NEW STUCCO AND CHANGE OUT 5 WINDOWS, SAME SIZE, TYPE & LOCATION. VALUATION TO BE VERIFIED BY FIELD INSPECTOR.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	020162000007729
Status:	
Valuation:	$1,600.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

11249 GOTHIC AVE

Date:	**1/30/2003**
Permit Type:	
Description:	**No Plan Check INSTALL EARTH QUAKE SHUTOFF VALVE**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	030422000003214
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date: **11/30/1998**
Permit Type:
Description: **No Plan Check 100 AMP SERVICE UPGRADE**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 980412000026285
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: NASSERI PETE ELECTRICAL CONTRACTOR

11301 GOTHIC AVE

C.O. Issued Date: **9/21/2007**
Date: **5/1/2007**
Permit Type:
Description: **Plan Check 17' x 21' family room addition to (E) SFD. ALL WORK TO BE PER TYPE V SHEET. Reduced rear yard per ZA-2006-9779 (ZAA).**

Permit Description: **Bldg-Addition**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 060142000006592
Status:
Valuation: $15,000.00
Contractor Company:
Contractor Name: OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

11309 GOTHIC AVE

Date:	**1/14/2003**
Permit Type:	
Description:	**No Plan Check INSTALL EQ VALVE.**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	030422000001438
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MOLINA JOE

11341 GOTHIC AVE

Date:	**4/12/2002**
Permit Type:	
Description:	**No Plan Check T/O (E) ROOF, INSTALL COMPOSITION SHINGLES CLASS "A". 25SQS. SMOKE DETECTORS REQUIRED.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	020162000006797
Status:	
Valuation:	$4,110.00
Contractor Company:	
Contractor Name:	CALIFORNIA EXTERIORS ROOFING CONTRACTORS

ADJOINING PROPERTY FINDINGS

INDEX ST

16400 INDEX ST

Date:	**11/14/2008**
Permit Type:	
Description:	**No Plan Check SERVICE REPAIR**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	080412000025113
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**6/5/2007**
Permit Type:	
Description:	**No Plan Check REMODEL KITCHEN - CHANGE-OUT CABINETS, COUNTERTOPS, AND RELATED ELECTRICAL AND PLUMBING - VALUATION TO BE VERIFIED BY FIELD INSPECTOR**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	070162000010354
Status:	
Valuation:	$24,318.00
Contractor Company:	
Contractor Name:	SEARS HOME IMPROVEMENT PRODUCTS INC

ADJOINING PROPERTY FINDINGS

16416 INDEX ST

Date:	**10/31/2013**
Permit Type:	
Description:	**No Plan Check INSTALL TANKLESS WATER HEATER "Installa tion of water heater not within required setbacks" COMPLY WITH DEPARTMENT ORDER EFFECTIVE 10/17/2013. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	130422000021368
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	LUZON YOSSEF INC

C.O. Issued Date:	**7/2/2008**
Date:	**4/18/2008**
Permit Type:	
Description:	**Plan Check NEW ATTACHED 15' X 7' PATIO COVER ENCLOSURE PER LA CITY STD PLAN # 10**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	080142000001696
Status:	
Valuation:	$4,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date: **2/20/2008**
Permit Type:
Description: **Plan Check ENLARGE (E) 18' X 18' CARPORT TO 18' X 25'**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 080162000002722
Status:
Valuation: $7,500.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **3/11/2004**
Permit Type:
Description: **No Plan Check RELOCATE WATER HEATER OUTSIDE**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 040422000007071
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: S O S PLUMBING & SOLAR

Date: **3/26/2001**
Permit Type:
Description: **Plan Check Supplemental to Permit #00VN80488: Install non-bearing partition walls in (E) 20'x18' bedroom to create 10'x18' den, 10'x15' bedroom & 3'x10' hallway / Install 2- 4'x4' sliding windows in den.**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 000142000105417
Status:
Valuation: $301.00
Contractor Company:
Contractor Name: OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**10/16/2000**
Permit Type:	
Description:	**Plan Check Convert (e) 18' x 20' garage to bedroom and add 7'6"x 18' 3/4 bath, demo (e) 12' x 24' alum patio enclosure and add 12' x 24' addition to include (2) 12' x 12' bedrooms at rear and (N) 18' x18' carport per LA City Standard at front in compliance (SEE COMMENTS)**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence Single Family Residence
Permit Number:	000142000005417
Status:	
Valuation:	$55,700.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**8/24/2000**
Permit Type:	
Description:	**No Plan Check WINDOW & DOOR CHANGE OUT (12) WINDOWS, & (4) DOORS. (SAME SIZE & LOCATION). RE-STUCCO AROUND HOUSE & WINDOWS.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	000162000016229
Status:	
Valuation:	$4,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**8/14/2000**
Permit Type:	
Description:	**No Plan Check UPGRADE SERVICE TO 200 AMP.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	000412000016604
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

16421 INDEX ST

Date:	**11/14/2011**
Permit Type:	
Description:	**No Plan Check SUPPLEMENTAL PERMIT TO PERMIT#11042-30000-19511 TO ADD 30 FT REPAIR**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	110423000119511
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	DIAMOND MIKE PLUMBING HEATING & AIR CONDITIONING

ADJOINING PROPERTY FINDINGS

Date: **11/3/2011**
Permit Type:
Description: **No Plan Check INSTALL A NEW CLEAN OUT ON SEWER**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 110423000019511
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: DIAMOND MIKE PLUMBING HEATING & AIR CONDITIONING

16426 INDEX ST

Date: **3/16/2009**
Permit Type:
Description: **No Plan Check SUPPLEMENTAL PERMIT TO ADD 2 CIRCUITS FOR PORTABLE SPA**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 090412000102835
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date: **2/18/2009**
Permit Type:
Description: **No Plan Check 200 AMP SERVICE UPGRADE**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 090412000002835
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: OWNER-BUILDER

16430 INDEX ST

Date: **8/20/2010**
Permit Type:
Description: **No Plan Check RELOCATE AND UPGRADE SERVICE TO 200 AMP.**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 100412000016464
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: A O D ELECTRIC

ADJOINING PROPERTY FINDINGS

16434 INDEX ST

Date:	**8/1/2008**
Permit Type:	
Description:	**No Plan Check Permit for SGOV installation**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	080429000014619
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	METRO RETROFITTING INC

Date:	**8/8/2006**
Permit Type:	
Description:	**No Plan Check COMPLY WITH DEPARTMENT ORDER DATED 11/04/2003. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE". REPLACE SERVICE AND ADD SMOKE DETECTORS. (PART 2 OF 2 PERMITS - GEN. CONTR. REQUIREMENT)**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	060412000019657
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ACE MAINTENANCE & GENERAL CONTRACTOR

ADJOINING PROPERTY FINDINGS

Date:	**8/8/2006**
Permit Type:	
Description:	**No Plan Check COMPLY WITH DEPARTMENT ORDER DATED 11/04/2003. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE". REPLACE TOILET. (PART 1 OF 2 PERMITS - GEN. CONTR. REQUIREMENT)**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	060422000017811
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ACE MAINTENANCE & GENERAL CONTRACTOR

Date:	**7/26/2005**
Permit Type:	
Description:	**No Plan Check REPLACE OUTLETS & INSTALL SWITCH FOR GARBAGE DISPOSAL. COMPLY WITH DEPARTMENT ORDER ISSUED ON 11/4/03. PERMIT WILL ESPIRE 30 DAYS FROM ISSUANCE DATE.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	050411000017939
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	R T ELECTRIC

ADJOINING PROPERTY FINDINGS

Date:	**6/14/2005**
Permit Type:	
Description:	**No Plan Check "COMPLY WITH DEPARTMENT ORDER DATED 11/04/2003. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE". GENERAL REHAB PERMIT FOR KITCHEN AND BATH REMODEL; REPLACE CABINETS, COUNTERTOP, INSTALL CERAMIC TILE FLOORING IN KITCHEN AND BATH. INSTALL TILE SHOWER AND REPLACE CARPETING. VALUATION TO BE VERIFIED BY FIELD INSPECTOR.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	050162000011600
Status:	
Valuation:	$16,500.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**5/25/2005**
Permit Type:	
Description:	**No Plan Check COMPLY WITH DEPARTMENT ORDER DATED 11-4-03 - PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE - REPIPE (3) FIXTURES IN BATHROOM & (1) WATER HEATER - ONLY.**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	050422000012938
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	AQUA SUPREME TECHNOLOGY

ADJOINING PROPERTY FINDINGS

16452 INDEX ST

Date:	**7/11/2007**
Permit Type:	
Description:	**No Plan Check A/C & HEATING.**
Permit Description:	**HVAC**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070441000007293
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	A PLUS HEATING & AIR CONDITIONING CO

16458 INDEX ST

Date:	**1/13/2000**
Permit Type:	
Description:	**No Plan Check CHANGE OUT 4 WINDOWS (SAME SIZE AND TYPE). VALUATION TO BE VERIFIED BY FIELD INSPECTOR.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	000162000000742
Status:	
Valuation:	$3,994.00
Contractor Company:	
Contractor Name:	SEARS HOME IMPROVEMENT PRODUCTS

ADJOINING PROPERTY FINDINGS

LAHEY ST

16334 LAHEY ST

Date:	**7/20/2006**
Permit Type:	
Description:	**No Plan Check 200 AMP SERVICE UPGRADE**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	060412000017710
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

C.O. Issued Date:	**8/8/2006**
Date:	**7/8/2005**
Permit Type:	
Description:	**Plan Check CONVERT (E) TWO-CAR GARAGE TO STORAGE; AND CONSTRUCT ATTACHED TWO-CAR CARPORT TO EXISTING SFD PER CITY STD DETAIL.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence Single Family Residence
Permit Number:	050141000006288
Status:	
Valuation:	$26,250.00
Contractor Company:	
Contractor Name:	DANGLACRUZ CONSTRUCTION AND DEVELOPMENT

ADJOINING PROPERTY FINDINGS

Date: **4/22/2005**
Permit Type:
Description: **No Plan Check INSTALL (2) SMOKE DETECTORS, (2) FIRE BELLS, (1) PULL STATION AND 15 AMP CIRCUIT.**

Permit Description: **Electrical**
Work Class:
Proposed Use: Commercial
Permit Number: 050412000009340
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: M J M COMMUNICATIONS & FIRE

Date: **4/7/2004**
Permit Type:
Description: **No Plan Check REPLACE 2 WINDOWS IN BEDROOMS (SAME SIZE, TYPE, AND LOCATION) - VALUATION TO BE VERIFIED BY FIELD INSPECTOR**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 040162000006342
Status:
Valuation: $2,274.00
Contractor Company:
Contractor Name: SEARS HOME IMPROVEMENT PRODUCTS

Date: **5/9/2002**
Permit Type:
Description: **No Plan Check EQ valve**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 020429000012227
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: WAGEMAN PLUMBING

ADJOINING PROPERTY FINDINGS

16342 LAHEY ST

Date:	**11/25/2009**
Permit Type:	
Description:	**Plan Check CONVERT EX ATT GARAGE (20'X18'6") TO DEN (14'6"X18'6") & STORAGE RM ACCESSIBLE FROM EX GARAGE DOOR (5'6"X18'6"). CONSTRUCT IN ATT 2-CAR CARPORT (19'X15'). SEE COMMENTS.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence Single Family Residence
Permit Number:	090142000003947
Status:	
Valuation:	$34,000.00
Contractor Company:	
Contractor Name:	FORM ARCHITECTURAL

16348 LAHEY ST

Date:	**6/30/2003**
Permit Type:	
Description:	**No Plan Check INSTALL EARTH QUAKE SHUTOFF VALVE**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	030422000020585
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	DISCOUNT RETROFITTER

ADJOINING PROPERTY FINDINGS

16354 LAHEY ST

Date:	**11/19/2002**
Permit Type:	
Description:	**No Plan Check VINYL SIDING OVER FRONT WALL OF HOME.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	020161000022906
Status:	
Valuation:	$3,000.00
Contractor Company:	
Contractor Name:	SEARS HOME IMPROVEMENT PRODUCTS

16401 LAHEY ST

Date:	**10/20/2016**
Permit Type:	
Description:	**No Plan Check**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	160429000022827
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	TOPETE JUAN SAUL

ADJOINING PROPERTY FINDINGS

Date: **4/28/2016**
Permit Type:
Description: **Plan Check (N) 29'2" X 29'9" IRR. PANTRY, DINING R**

Permit Description: **Bldg-Addition**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 160142000000571
Status:
Valuation: $54,590.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **8/22/2006**
Permit Type:
Description: **No Plan Check INSTALL SUB-WATER METER.**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 060422000019028
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **12/16/1999**
Permit Type:
Description: **No Plan Check INSTALL EARTHQUAKE SHUT-OFF VALVE.**

Permit Description: **Plumbing**
Work Class:
Proposed Use: Commercial
Permit Number: 990422000017493
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**1/5/1999**
Permit Type:	
Description:	**No Plan Check T/O (E) , INSTALL NEW COMP. SHINGLES 20SQS. CLASS "A"**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	990162000000097
Status:	
Valuation:	$2,300.00
Contractor Company:	
Contractor Name:	A-PLUS ROOFING CO

16402 LAHEY ST

Date:	**1/12/2015**
Permit Type:	
Description:	**Plan Check Add irregular shape 20'2" x 25' to the front of (E) one story dwelling for two bedrooms and bathroom per WFPP.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	150142000000106
Status:	
Valuation:	$50,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date: **7/27/2005**
Permit Type:
Description: **Plan Check SUPPLEMENTAL PERMIT TO 05016-10000-07343 FOR PLAN REVISION. SEE COMMENT.**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 050161000107343
Status:
Valuation: $301.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **5/10/2005**
Permit Type:
Description: **Plan Check NEW ROOF OVER EXISTING S.F.D.**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 050161000007343
Status:
Valuation: $20,000.00
Contractor Company:
Contractor Name: OWNER-BUILDER

Date: **2/9/2004**
Permit Type:
Description: **No Plan Check INSTALL NEW HVAC PACKAGE UNIT.**

Permit Description: **HVAC**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 040442000001332
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: BANNER HEATING & AIR CONDITIONING

ADJOINING PROPERTY FINDINGS

Date: **2/5/2004**
Permit Type:
Description: **No Plan Check 200Amo. Service meter upgrade**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 040419000002965
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: RONCO ELECTRIC INC

Date: **2/5/2004**
Permit Type:
Description: **No Plan Check Removal of the water heater from the inside to the outside of the house**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 040429000003542
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: MILES PLUMBING

Date: **1/5/2004**
Permit Type:
Description: **No Plan Check INSTALL EARTQUAKE GAS SHOT OFF VALCE**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 040429000000206
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: CORTEZ

ADJOINING PROPERTY FINDINGS

16412 LAHEY ST

Date:	**10/22/2013**
Permit Type:	
Description:	**No Plan Check "COMPLY WITH DEPARTMENT ORDER effective date 10/08/2013. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE". All permits shall be for the same time period limitation. REPLACE WATER HEATER.**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	130422000020711
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**7/23/2007**
Permit Type:	
Description:	**No Plan Check INSTALL NEW ROOFTOP PACKAGE UNIT**
Permit Description:	**HVAC**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070442000007701
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

C.O. Issued Date:	**8/20/2007**
Date:	**8/17/2006**
Permit Type:	
Description:	**Plan Check 47'-4" x 15' irreg. shaped addition for kitchen, dining room & bedrood extension. Convert (E)kitchen to living room extension. All work per TYPE V sheet.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	060141000007503
Status:	
Valuation:	$35,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

16417 LAHEY ST

Date:	**1/30/2003**
Permit Type:	
Description:	**No Plan Check SUPPLEMENTAL PERMIT TO SHOW INSTALLATION OF NEW L.A. APPROVED PREFAB FIREPLACE IN EXISTING LIVING ROOM, TO PERMIT NO. 02VN21179. NO OTHER CHANGES.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	020142000108025
Status:	
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**12/3/2002**
Permit Type:	
Description:	**Plan Check ADD 12'6"x22'1" DINING ROOM AT REAR OF (E) SFD PER ENGINEERED PLANS. WORK CONFORM TO STD TYPE V SHEET.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	020142000008025
Status:	
Valuation:	$20,900.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

16423 LAHEY ST

Date:	**2/20/2013**
Permit Type:	
Description:	**No Plan Check RELOCATE WATER HEATER "Installation of water heater (not within required setbacks) "COMPLY WITH DEPARTMENT ORDER effective date 01/29/2013. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE".**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	130422000003675
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SOUTHERN CALIFORNIA PLUMB MASTERS INC

ADJOINING PROPERTY FINDINGS

16426 LAHEY ST

Date:	**9/16/2011**
Permit Type:	
Description:	**No Plan Check INSTALL (1) EQ SHUT OFF VALVE.**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	110429100015885
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	METRO RETROFITTING INC

16431 LAHEY ST

Date:	**10/7/2003**
Permit Type:	
Description:	**No Plan Check ELEVATE SERVICE RISER**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	030412000023059
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**10/7/2003**
Permit Type:	
Description:	**No Plan Check EXTEND 2 BATHROOM VENTS AND KITCHEN VENT ON ROOF. (ROOF GOING FROM FLAT TO PITCHED).**
Permit Description:	**HVAC**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	030442000009782
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**4/24/2003**
Permit Type:	
Description:	**Plan Check REPLACE (E) FLAT ROOF WITH NEW 7/12 GABLE ROOF. <CONSTRUCTION PER TYPE V SHEET>**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	030162000007751
Status:	
Valuation:	$15,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

16439 LAHEY ST

Date:	**11/5/2012**
Permit Type:	
Description:	**Plan Check INSTALLING FIRE SPRINKLER SYSTEM IN AN A CCESSORY TO A SINGLE FAMILY HOME; 1" EXISTING METER. "COMPLY WITH DEPARTMENT ORDER effective date 02/13/2012. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE".**
Permit Description:	**Fire Sprinkler**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	120432000003570
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	G & T FIRE PROTECTION INC

C.O. Issued Date:	**8/24/2009**
Date:	**3/20/2009**
Permit Type:	
Description:	**Plan Check NEW DETACHED 15' X 33' RECREATION ROOM WITH 1/2 BATHROOM.**
Permit Description:	**Bldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Misc. Bldg or Structure
Permit Number:	090102000000440
Status:	
Valuation:	$39,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**4/20/2001**
Permit Type:	
Description:	**No Plan Check UPGRADE SERVICE PANEL TO 100 AMP AND INSTALL CIRCUIT FOR A/C**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	010412000008063
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	M G ELECTRIC

Date:	**9/16/1999**
Permit Type:	
Description:	**No Plan Check BACKFILL SEPTIC SYSTEM**
Permit Description:	**Grading**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Grading/Hillside
Permit Number:	990302000002173
Status:	
Valuation:	$50.00
Contractor Company:	
Contractor Name:	PRO - ROOTER PLUMBING

ADJOINING PROPERTY FINDINGS

MCKEEVER ST

16442 MCKEEVER ST

Date:	**8/4/2010**
Permit Type:	
Description:	**No Plan Check 200A main panel upgrade**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	100419000015113
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	NET ELECTRIC INC

Date:	**7/13/2010**
Permit Type:	
Description:	**No Plan Check Electrical panel replacement.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	100419000013397
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date: **7/22/2002**
Permit Type:
Description: **No Plan Check Installation of earthquake gas shut-off valve.**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 020429000020621
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: SEISMIC SERVICES SPECIALISTS

Date: **9/12/2001**
Permit Type:
Description: **No Plan Check 1 DISHWASHER TAYLOR 818-832-8947.**

Permit Description: **Plumbing**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 010421000013663
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: D & H SERVICE

Date: **11/3/1997**
Permit Type:
Description: **No Plan Check CIRCUIT FOR FAU CIRCUIT FOR A/C NEW SERVICE CONTRACTOR HOLDS A C20 AND C10 LICE NSE**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 970412000018279
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: ECONO AIR

ADJOINING PROPERTY FINDINGS

Date: **11/3/1997**
Permit Type:
Description: **No Plan Check FAU, APPLIANCE VENT, 8 INLETS AND OUTLETS, A/C**

Permit Description: **HVAC**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 970442000007687
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: ECONO AIR

16448 MCKEEVER ST

Date: **11/30/2007**
Permit Type:
Description: **Plan Check INSTALL TANKLESS WATER HEATER TO SIDE OF SFD W/ ATT GARAGE (MODIFICATION FOR REDUCED SIDE YARD OF 4' IN LIEU OF 5' GRANTED BY TAMMY SVETICH 11-30-07)**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 070162000022665
Status:
Valuation: $200.00
Contractor Company:
Contractor Name: OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**10/18/2007**
Permit Type:	
Description:	**No Plan Check Re-roof with Class A or B material weighing less than 6 pound per sq. ft. SMOKE DETECTORS REQUIRED.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	070162000019909
Status:	
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

C.O. Issued Date:	**1/22/2009**
Date:	**9/7/2007**
Permit Type:	
Description:	**Plan Check ONE STORY ADDITION OF 590sf EXTENDING MASTER BEDROOM, BEDROOM #2, BEDROOM #3, BATHROOM, AND REMODEL.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	070142000006032
Status:	
Valuation:	$60,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**11/16/2006**
Permit Type:	
Description:	**Plan Check SUPPLEMENT TO PERMIT #05VN78249 TO REVISE CEILING TIE FRAMING PER ENGINEER DETAILS. Comply to Deptartment order dated 09/16/05, permit will expire 30 days from issuance date.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	050142000107128
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

C.O. Issued Date:	**8/6/2007**
Date:	**7/26/2005**
Permit Type:	
Description:	**Plan Check ADDITION - 22'X17'6 FAMILY ROOM TO (E) 1-STORY SFD PER TYPE V STD. PLANS**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	050142000007128
Status:	
Valuation:	$29,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

16454 MCKEEVER ST

Date:	**4/26/2005**
Permit Type:	
Description:	**No Plan Check Panel 200Amp.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	050419000009548
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	GIL'S ELECTRICAL SERVICE INC

16466 MCKEEVER ST

Date:	**3/30/2017**
Permit Type:	
Description:	**No Plan Check**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	170412000010243
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**6/24/2008**
Permit Type:	
Description:	**Plan Check CHANGE GARAGE ROOF FRAMING FROM FLAT TO SLOPED ROOF. ADD NEW PORCH ENTRY, 5'x8'. ALL WORK PER ENGINEERED DETAILS. COMPLY WITH DEPARTMENT ORDER effective date 05/16/2008. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	Apartment Single Family Residence
Permit Number:	080142000002550
Status:	
Valuation:	$14,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**5/9/2008**
Permit Type:	
Description:	**No Plan Check Replace air conditioner**
Permit Description:	**HVAC**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	080449000004744
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

VALJEAN AVE

11128 VALJEAN AVE

Date:	**12/3/1996**
Permit Type:	
Description:	**BLOCK WALL PER LA CITY STD 178 LF 6' MAX HEIGHT.**
Permit Description:	**Nonbldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	960202000000535
Status:	
Valuation:	$7,000.00
Contractor Company:	
Contractor Name:	

11138 VALJEAN AVE

Date:	**10/26/2006**
Permit Type:	
Description:	**Plan Check ***SUPPLEMENTAL PERMIT TO 06014-20000-07290*** 1) add 1'10" x 46'8" to permitted living room , kitchen, and dining room. ***CONVERT (E) GARAGE TO LIVING ROOM, CONVERT (E) KITCHEN AND LIVING ROOM TO FAMILY ROOM; ADD 30'-3"X15' NEW KITCHEN/DINING ROOM/ LAUNDRY & 4'-8"X6'-5" HALF- BATH AND (8' X 10') PATIO COVER. REPLACE EXTERIOR PLYWOOD AND STUCCO. ALL WORK PER TYPE V SHEET**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence Single Family Residence
Permit Number:	060142000307290
Status:	
Valuation:	$7,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**9/1/2006**
Permit Type:	
Description:	**Plan Check REFRAME (E) ROOF FOR HIGHER PITCH, REPIPE, NEW A/C, REWIRE, TERMITE DAMAGE WALL STUDS REPAIR AND BATH ROOM REMODEL PER TYPE V SHEET.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	060142000207290
Status:	
Valuation:	$30,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

Date:	**8/24/2006**
Permit Type:	
Description:	**Plan Check CONVERT (E) GARAGE TO LIVING ROOM, CONVERT (E) KITCHEN AND LIVING ROOM TO FAMILY ROOM; ADD 30'-3"X15' NEW KITCHEN/DINING ROOM/ LAUNDRY & 4'-8"X6'-5" HALF- BATH AND (8' X 10') PATIO COVER. REPLACE EXTERIOR PLYWOOD AND STUCCO. ALL WORK PER TYPE V SHEET**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence Single Family Residence
Permit Number:	060142000007290
Status:	
Valuation:	$56,000.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

Date:	**7/21/1999**
Permit Type:	
Description:	**No Plan Check INSTALL (2) BR. CIRCUITS FOR GARAGE LIGHTS & OUTLETS.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	990412000014073
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

11141 VALJEAN AVE

Date:	**4/1/2003**
Permit Type:	
Description:	**No Plan Check T/O (E) ROOF, INSTALL BUILT UP ROOF SYSTEM CLASS "A". 18SQS. SMOKE DETECTORS REQUIRED.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	030162000005886
Status:	
Valuation:	$2,400.00
Contractor Company:	
Contractor Name:	SAN VENTURA ROOFING

ADJOINING PROPERTY FINDINGS

11149 VALJEAN AVE

Date:	**4/19/2013**
Permit Type:	
Description:	**No Plan Check Kitchen remodel for residential building s (no structural changes).**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	130162000007770
Status:	
Valuation:	$10,000.00
Contractor Company:	
Contractor Name:	AMERICAN SOLAR CONSTRUCTION & HOME REMODELING

Date:	**11/20/2006**
Permit Type:	
Description:	**No Plan Check "COMPLY WITH DEPARTMENT ORDER effective date 10/26/2006. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE". SERVICE UPGRADE**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	060412000028947
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	OWNER-BUILDER

ADJOINING PROPERTY FINDINGS

11152 VALJEAN AVE

Date:	**7/26/2002**
Permit Type:	
Description:	**No Plan Check INSTALL EQ VALVE.**

Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	020422000021103
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	GINOCCHIO PLUMBING

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use(s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

John F Kennedy High School
11254 GOTHIC AVE
GRANADA HILLS, CA 91344

Inquiry Number: 4970866.6
June 19, 2017

The EDR Property Tax Map Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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APPENDIX D

AGENCY CORRESPONDENCE

Environmental Support Services

Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
Tel) 949-429-3564 • Fax) 949-429-3563
www.EnvironmentalSupportServices.com • Info@EnvironmentalSupportServices.com

July 4, 2017

Project Name: Granada Hills

Geosyntec Consultants
1650 Iowa Avenue, Suite 180
Riverside, CA 92507

Attention: Kylie Caesar

Dear Ms. Caesar

Attached is the Environmental (Hazardous/Toxic Waste) Records Search Summary of the 11254 Gothic Avenue ("Granada Hills") site located in Granada Hills, California. Environmental Support Services ("**ESS**") received the request on June 21, 2017 (See Appendix A). Should you have any questions regarding the summary, please call.

Sincerely,
Environmental Support Services

Shannon Castagno

Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

Records Search Summary

Company:	Geosyntec Consultants
Project Name:	Granada Hills
Attention:	Kylie Caesar
Street Address of Property:	11254 Gothic Avenue Granada Hills, CA

Los Angeles County – Public Health Investigator

E-mailed request: 6-21-17, Contact: Samuel Kaddis

ESS submitted a request for a records search concerning the Granada Hills site to Mr. Kaddis, a Public Health Investigator for Los Angeles County (See Appendix B). **ESS** requested information concerning the utilization, manufacture, storage and/or discharge of hazardous materials/waste, and any information concerning previous or on-going site investigations/remediations pertaining to hazardous materials/waste. As of July 4, 2017, the Custodian of Records had not completed **ESS'** request. Should any information concerning the site surface, **ESS** will immediately forward it to Ms. Caesar at the Geosyntec Consultants office.

Department of Toxic Substances Control (DTSC) – Cypress Office

E-mailed request: 6-21-17, Contact: Julie Johnson/Jone Barrio

Previous contacts with the DTSC have disclosed that this office only collects and stores information (such as treatment, storage and disposal of hazardous waste) concerning sites which have existing businesses, industries, etc. present. **ESS** requested that Ms. Johnson, with the DTSC, check the file room records for any files/information concerning 11254 Gothic Avenue, Granada Hills, CA (See Appendix C). Ms. Johnson, informed **ESS** June 28, 2017 that her department had no files/information concerning that site (See Appendix C).

Department of Toxic Substances Control (DTSC) – Chatsworth Office

E-mailed request: 6-21-17, Contact: Glenn Castillo/Robert Hardison

Previous contacts with the DTSC have disclosed that this office only collects and stores information (such as treatment, storage and disposal of hazardous waste) concerning sites which have existing businesses, industries, etc. present. **ESS** requested that Mr. Castillo/Mr. Hardison, with the DTSC, check the file room records for any files/information concerning 11254 Gothic Avenue, Granada Hills, CA (See Appendix D). Mr. Hardison, informed June 26, 2017 **ESS** that his department had no files/information concerning that site (See Appendix D).

City of Los Angeles Fire Department (Central) – Haz Mat Division

E-mailed request: 6-21-17, Contact: Public Records Request

ESS reviewed the City of Los Angeles Fire Dept. – Hazardous Materials Division's database to determine if there were any records concerning the storage of hazardous materials/waste with regards to the following: 11254 Gothic Avenue, Granada Hills, CA. **ESS** reviewed the "CUPA – Active Hazardous Materials Inventory and CUPA – Inactive Hazardous Materials Inventory" and found that "LAUSD – Kennedy High School." at 11254 Gothic Avenue, Granada Hills, CA, was listed. **ESS** has request a copy of those records and will forward them to Ms. Caesar at the Geosyntec Consultants office as soon as they arrive (See Appendix E).

City of Los Angeles Fire Department (Central) – Plan Check/UG Tank Div

ESS reviewed the City of Los Angeles Fire Dept. – Plan Check/UG Tank Division database to determine if there were any records concerning the storage of hazardous materials/waste and underground storage tanks with regards to the following: 11254 Gothic Avenue, Granada Hills, CA. **ESS** reviewed the "Active CUPA Regulated Facilities, Inactive CUPA Regulated Facilities and Underground Storage Tank (UST) Historical Files Lists and found no listing of the Granada Hills site. Please note: **ESS** was informed by the City of Los Angeles Fire Dept. – Plan Check/UG Tank Division that if a site was not listed, their department would have no records for it.

Cal Fire - Office of the State Fire Marshal

E-mailed request: 6-21-17, Contact: Pubic Records Request

ESS requested that the Public Records Section, with Cal Fire - Office of the State Fire Marshal, check their records concerning the storage of hazardous materials/waste, pipelines and underground storage tanks with regards to the following: 11254 Gothic Avenue, Granada Hills, CA (See Appendix F). Rebekah Gibson, with that department informed **ESS** June 30, 2017 that she needed an extension until July 14, 2017 to complete **ESS'** request (See Appendix F).

City of Los Angeles Public Works – Industrial Waste

E-mailed request: 6-21-17, Contact: Dennis Acevedo

ESS requested that Mr. Acevedo, with the City of Los Angeles Public Works Department, check his records for any information concerning industrial waste discharge permits or violations for 11254 Gothic Avenue, Granada Hills, CA (See Appendix G). Pamela La Beau, with that department informed **ESS** June 22, 2017 that her department did have records for 11254 Gothic Avenue, Granada Hills, CA (See Appendix G).

City of Los Angeles Building Department

Visited: 6-26-17, 7:45 AM, Contact: Mariella

ESS requested that Mariella, with the City of Los Angeles Building Department, provide the building records (all building permits and certificates of occupancy) for 11254 Gothic Avenue, Granada Hills, CA. She provided **ESS** with all the available building records for the address. The City of Los Angeles Building records date back to the year 1905. **ESS** did not summarize the building records (See Appendix H for copies). No further information concerning the site was obtained from the building department at the time of the investigation.

South Coast Air Quality Management District (SCAQMD)

E-mailed request: 6-21-17, Contact: Linda Koenig

ESS submitted a search request concerning active, inactive and sold files concerning 11254 Gothic Avenue, Granada Hills, CA to Ms. Koenig of Public Records at the SCAQMD (See Appendix I). Melonie Foster, with that department informed **ESS** June 29, 2017 that her department did have records for 11254 Gothic Avenue, Granada Hills, CA (See Appendix I).

Regional Water Quality Control Board (RWQCB) – Los Angeles Region

E-mailed request: 6-21-17, Contact: File Review Section

ESS requested that the File Review Section, with the RWQCB, provide the files for 11254 Gothic Avenue, Granada Hills, CA (See Appendix J). Clarita Quidilla, with that department informed **ESS** on June 30, 2017 that her department had no records for 11254 Gothic Avenue, Granada Hills, CA (See Appendix J).

Records Search completed by:

Shannon Castagno
Project Manager
Environmental Support Services

The information provided in this report was obtained by a comprehensive examination of public records, public information and public servant communications. The degree of care performed by **ESS** is equivalent to that exercised by environmental companies performing similar records searches.

Appendix A

Environmental (Hazardous/Toxic Waste) Records Search
Order Form

From: Kylie Caesar [KCaesar@Geosyntec.com]
Sent: Wednesday, June 21, 2017 3:05 PM
To: Shannon Castagno
Subject: John F Kennedy HS Agency Search
Attachments: Site Limits.pdf

Hi Shannon,

We are working on a Phase I ESA for John F. Kennedy High School in Los Angeles County. The address of the target area is 11254 Gothic Avenue, Granada Hills, CA 91344. I attached a map showing the area of interest.

It looks like there are 3 separate APNS for this site: 2681-010-909, 2681-010-910, and 2681-101-911.

I was wondering if you could please conduct the agency search for this area. Feel free to give me a call if you have any questions.

Thanks!
Kylie

Kylie Caesar
Staff Geologist

Geosyntec Consultants
1650 Iowa Avenue, Suite 180
Riverside, California 92507
Phone: 951.801.6230
Mobile: 518.779.5958
www.geosyntec.com

This electronic mail message contains information that (a) is or may be LEGALLY PRIVILEGED, CONFIDENTIAL, PROPRIETARY IN NATURE, OR OTHERWISE PROTECTED BY LAW FROM DISCLOSURE, and (b) is intended only for the use of the Addressee(s) named herein. If you are not the intended recipient, an addressee, or the person responsible for delivering this to an addressee, you are hereby notified that reading, using, copying, or distributing any part of this message is strictly prohibited. If you have received this electronic mail message in error, please contact us immediately and take the steps necessary to delete the message completely from your computer system.

Project Location Map

Kennedy High School - Campus Pre-Planning Survey

11254 Gothic Ave., Granada Hills, CA 91344 I LAUSD – Facilities Planning & Development - Master Planning

DRAFT

November 28, 2011

Appendix B

Request for Records Search to the
Los Angeles County Public Health Investigator

Environmental Support Services

Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
Tel) 949-429-3564 • Fax) 949-429-3563
www.EnvironmentalSupportServices.com • Info@EnvironmentalSupportServices.com

June 21, 2017

County of Los Angeles
Department of Public Health – Public Health Investigator
5555 Ferguson Drive, Ste 120-04
Commerce, CA 90022

Attention: Custodian of Records

Subject: Records Search – Hazardous Materials/Waste/Underground Tanks/
Site Mitigation/Solid Waste

Site: "John F. Kennedy High School "
11254 Gothic Avenue
Granada Hills, CA 91344
APN'S 2681-010-909, 2681-010-910 and 2681-101-911

Dear Custodian of Records,

Environmental Support Services (ESS) is in the process of conducting a records search for an environmental audit at a site in Granada Hills, CA. This search includes researching the history of the site, especially as it pertains to hazardous materials/waste. With this in mind, **ESS** requests the following information concerning the subject address which your agency may have on file:

1. any unauthorized releases, utilization, manufacture, storage, or discharge of hazardous materials/waste.

2. previous or on-going site investigations/remediations pertaining to hazardous materials/waste, site mitigation.

Should you have any questions concerning this request for information, please call. Your expedient processing of this request is appreciated.

Sincerely,
Environmental Support Services

Shannon Castagno

Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

Appendix C

Request for Records Search to the
Department of Toxic Substances Control - Cypress Office and
Response Obtained from that Agency

Environmental Support Services

Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
Tel) 949-429-3564 • Fax) 949-429-3563
www.EnvironmentalSupportServices.com • Info@EnvironmentalSupportServices.com

June 21, 2017

Dept of Toxic Substances Control
Cypress Office
5796 Corporate Avenue
Cypress, CA 90630

Attention: Julie Johnson/Jone Barrio

Dear Julie/Jone,

Please check for any files/information on the following site:

Site: "John F. Kennedy High School "
11254 Gothic Avenue
Granada Hills, CA 91344
APN'S 2681-010-909, 2681-010-910 and 2681-101-911

Sincerely,
Environmental Support Services

Shannon Castagno

Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

June 28, 2017

Shannon Castagno
ENVIRONMENTAL SUPPORT SERVICES
30251 Golden Lantern, #E-305
Laguna Niguel, CA 92677

JOHNS F KENNEDY HIGH SCHOOL 11254 GOTHIC AVE, GRANADA HILLS, CA
PR4-062117-6

Dear Ms. Castagno:

The Department of Toxic Substances Control has received your letter to review records under the Public Records Act.

After a thorough review of our files we have found that no such records exist at this office pertaining to the site/facility referenced above.

We would like to inform you about EnviroStor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accesses at: http://www.envirostor.dtsc.ca.gov/public. Also, a computer is available at each DTSC Regional File Room Office for use by community members to view EnviroStor.

If you have any questions or would like further information regarding your request, please contact me at (714) 484-5337.

Sincerely,

Julie Johnson

Julie Johnson
Regional Records Coordinator

Printed on Recycled Paper

Appendix D

Request for Records Search to the
Department of Toxic Substances Control - Chatsworth Office and
Response Obtained from that Agency

Environmental Support Services

Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
Tel) 949-429-3564 • Fax) 949-429-3563
www.EnvironmentalSupportServices.com • Info@EnvironmentalSupportServices.com

June 21, 2017

Dept of Toxic Substances Control
Chatsworth Office
9211 Oakdale Avenue
Chatsworth, CA

Attention: Glenn Castillo/Robert Hardison

Dear Glenn/Robert,

Please check for any files/information on the following site:

Site: "John F. Kennedy High School "
11254 Gothic Avenue
Granada Hills, CA 91344
APN'S 2681-010-909, 2681-010-910 and 2681-101-911

Sincerely,
Environmental Support Services

Shannon Castagno

Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Barbara A. Lee, Director
9211 Oakdale Avenue
Chatsworth, California 91311

Edmund G. Brown *Jr*
Governor

June 26, 2017

Ms. Shannon Castagno
Environmental Support Services
30251 Golden Lantern, Suite E-305
Laguna Niguel, CA 92677

VARIOUS SITES
PR3-062117-10

Dear Ms. Castagno:

We have received your Public Records Act Request for records from the Department of Toxic Substances Control. After a thorough review of our files we have found that no such records exist at this office pertaining to the sites/facilities referenced below.

- 11254 Gothic Avenue, Granada Hills, CA 91344
- APNs: 2681-010-909, 2681-010-910 & 2681-101-911

We would like to inform you about EnviroStor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: http://www.envirostor.dtsc.ca.gov/public. Also, a computer is available in the Central Files of each DTSC Regional Office for use by community members to view EnviroStor. If you have any questions or would like further information regarding your request, please contact me at (818) 717-6521.

Sincerely,

Robert Hardison

Robert Hardison /bh
Regional Records Coordinator

Printed on Recycled Paper

Appendix E

Request for Records Search to the
City of Los Angeles Fire Department (Central) – Hazardous Materials Division

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th Fl., Los Angeles, CA 90012

Request for Information
Hazardous Materials Records

*COMPLETE ONE FORM FOR EACH ADDRESS

Request Date: __6/21/17_____ Email: Shannon@EnvironmentalSupportServices.com_

Requester's Name: Shannon Castagno_____ Fax#: (949) 429-3563_____

Company/ Agency: Environmental Support Services_____ PH.#: (949) 429-3564_____

Address: 30251 Golden Lantern_____ Unit/Ste.: E305_____

City: Laguna Niguel_____ State: CA_____ Zip: 92677_____

Information is requested for

☐ Active Facilities Only

Check all that apply: X☐ Inventory Summary ☐ Review File

Business Name: ____LAUSD – Kennedy High School_____

Storage Address: _____11254 Gothic Avenue _____ Unit/Ste.:_____

City: _____Granada Hills_____ Zip: _____91344_____

Reason for Request: Research_____

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**
☐ **INFORMATION AVAILABLE**

Fee Schedule:
Inventory Summary $11.00

Facility I.D. No.: _FA0012319_____

Request Review File Copies:

Request No.: _____

Initial Fee $ 1.10

Processed Date: _____

# of pgs. _____x $0.10 = $_____

APPT. TO REVIEW FILE: _____

Processor Signature:_____

TOTAL: $_____

Allow 10 working days for processing:

Appendix F

Request for Records Search to the
Cal Fire – Office of the State Fire Marshal and
Extension Request Received from that Agency

Environmental Support Services

Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
Tel) 949-429-3564 • Fax) 949-429-3563
www.EnvironmentalSupportServices.com • Info@EnvironmentalSupportServices.com

June 21, 2017

Cal Fire
Office of the State Fire Marshal

Attention: Public Records Request

Subject: Records Search – Hazardous Materials/Waste/Underground Tanks/Pipelines

Site: "John F. Kennedy High School "
11254 Gothic Avenue
Granada Hills, CA 91344
APN'S 2681-010-909, 2681-010-910 and 2681-101-911

Dear Public Records Request,

Environmental Support Services (ESS) is in the process of conducting a records search for an environmental audit at a site in Granada Hills, CA. This search includes researching the history of the site, especially as it pertains to hazardous materials/waste. With this in mind, **ESS** requests the following information concerning the subject address which your agency may have on file:

1. utilization, manufacture, storage, or discharge of hazardous materials/waste.
2. previous or on-going site investigations/remediations pertaining to hazardous materials/waste.
3. hazardous materials disclosures concerning the site.
4. pipelines.
5. information regarding underground storage tank present or previously found at the site.

Should you have any questions concerning this request for information, please call. Your expedient processing of this request is appreciated.

Sincerely,
Environmental Support Services

Shannon Castagno

Shannon Castagno
Project Manager

Shannon@EnvironmentalSupportServices.com

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
Legal Services Office
P.O. Box 944246
SACRAMENTO, CA 94244-2460
(916) 653-9656
PRA.Request@Fire.CA.gov
Website: www.fire.ca.gov

June 30, 2017

Sent Via E-mail Address
Shannon Castagno
Shannon@EnvironmentalSupportServices.com

Re: Public Records Act Request
Our Ref.: 17-P-464

Dear Ms. Castagno:

CAL FIRE received your Public Records Act request and is currently searching its records for responsive documents.

Due to the need to search for and collect requested documents at a CAL FIRE facility not located at CAL FIRE Headquarters in Sacramento, California, I am extending the time to respond to your request until July 14, 2017.

California Government Code Section 6253(c)(1) authorizes an extension of the time required in which to respond to a PRA request due to "[t]he need to search for and collect the requested records from field facilities or other establishments that are separate from the office processing the request."

CAL FIRE will make every effort to provide responsive documents to you as quickly as possible. Thank you for your courtesy as we conduct a search for the documents requested.

Sincerely,

REBEKAH GIBSON
Senior Counsel
CAL FIRE Legal Office
(916) 653-1092

Appendix G

Request for Records Search to the
City of Los Angeles Public Works – Industrial Waste and
Response and Photocopies Obtained from that Agency

Environmental Support Services

Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
Tel) 949-429-3564 • Fax) 949-429-3563
www.EnvironmentalSupportServices.com • Info@EnvironmentalSupportServices.com

June 21, 2017

City of Los Angeles Public Works

Attention: Industrial Waste Unit

Subject: Records Search – Hazardous Materials/Waste

Site: "John F. Kennedy High School "
11254 Gothic Avenue
Granada Hills, CA 91344
APN'S 2681-010-909, 2681-010-910 and 2681-101-911

To Whom It May Concern,

Environmental Support Services (ESS) is in the process of conducting a records search for an environmental audit at a site in Granada Hills, CA. This search includes researching the history of the site, especially as it pertains to hazardous materials/waste. With this in mind, **ESS** requests the following information concerning the subject address which your agency may have on file:

1. copies of applications and permits for industrial waste discharge; and

2. copies of any and all violations concerning industrial waste discharge.

Should you have any questions concerning this request for information, please call. Your expedient processing of this request is appreciated. THANK YOU!

Sincerely,
Environmental Support Services

Shannon Castagno

Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

CITY OF LOS ANGELES

CALIFORNIA

BOARD OF PUBLIC WORKS MEMBERS

KEVIN JAMES
PRESIDENT

MONICA RODRIGUEZ
VICE PRESIDENT

HEATHER MARIE REPENNING
PRESIDENT PRO TEMPORE

MICHAEL R. DAVIS
COMMISSIONER

JOEL F. JACINTO
COMMISSIONER

ERIC GARCETTI
MAYOR

BUREAU OF SANITATION

ENRIQUE C. ZALDIVAR
DIRECTOR

TRACI J. MINAMIDE
CHIEF OPERATING OFFICER

LISA B. MOWERY
CHIEF FINANCIAL OFFICER

ADEL H. HAGEKHALIL
ALEXANDER E. HELOU
LEO N. MARTINEZ
MAS DOJIRI
ASSISTANT DIRECTORS

TIMEYIN DAFETA
HYPERION EXECUTIVE PLANT MANAGEI

INDUSTRIAL WASTE MANAGEMENT DIVISION
2714 MEDIA CENTER DRIVE
LOS ANGELES, CA 90065
OFFICE: (323) 342-6200
FAX: (323) 342-6111

22-Jun-17
Shannon Castagno
Environmental Support Services
30251 Golden Lantern, #E-305,
Laguna Niguel, CA 92677

INDUSTRIAL WASTEWATER DISCHARGE PERMIT INFORMATION

Your request to research our files for Industrial Wastewater Discharge permit information was processed by my staff. Our records show the following findings:

Permits have been issued for: 11254 Gothic Avenue, Granada Hills, CA 91344

(see attachments)

[✓] No citations have been issued for the past 5 years. [ ] Yes, citations have been issued (see attachments).

The cost of generating this report is $ **$2.00**

Please remit a check in the above amount payable to "Department of Public Works" and mail to:

Bureau of Sanitation
Industrial Waste Management Division
2714 Media Center Drive
Los Angeles, CA 90065
Attn: Admin Inspection Group

If you have any questions, please contact Adrienne Tong of my staff at (323) 342-6062.

Sincerely,
ENRIQUE C. ZALDIVAR, Director
Bureau of Sanitation
By: Mike Lee for
Pamela C La Beau, Acting Chief Env. Compliance Inspector II
Industrial Waste Management Division

C: Attachment [X] yes [ ] no

Adrienne Tong

W-387427 IU#-IU004879 STATUS: S SIU SECT.: N DISTRICT: 02 SUBDIST: 02
FOG ZONE: NA SUB-ZONE:
INSPECTOR: NEKPEN AIMIUWU, TAE KEUN KOH, NEKPEN AIMIUWU, TAE KEUN KOH

* APPLICATION

APPL. REASON: New or Proposed Point of Discharge
RECEIVED DATE: 06/01/74 RECEIPT #:

* INDUSTRIAL USER

LEGAL BUS. NAME: LA Unified School District
DBA NAME: Kennedy High School #8725
BUSINESS TYPE Schools
OWNERSHIP TYPE Government
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CONTACT NAME: Debbie Cerro TITLE: Manager
BTRC: Exempt PHONE: (818) 831-8298

* INDUSTRIAL USER MAILING ADDRESS

NAME: L.A. UNIFIED SCHOOL DISTRICT/ENERGY PROGRAM OFFICE
ADDRESS: 1425 S San Pedro Street, Room 302
Los Angeles, CA 90015
OR P.O. BOX: PHONE: (213) 742-7106
ATTENTION: Willie Joshua

* BILLING ADDRESS

NAME: KENNEDY HIGH SCHOOL #8725
ADDRESS: 333 S BEAUDRY Avenue, Floor 22
Los Angeles, CA 90017
OR P.O. BOX: PHONE: (213) 633-7267
ATTENTION: ENERGY MANAGEMENT UNIT

* CORPORATE OFFICERS

NAME 1: ROY ROMER
TITLE 1: SUPERINTENDENT

* PROPERTY OWNER

NAME: LOS ANGELES UNIFIED SCHOOL DISTRICT
ADDRESS: 1425 S San Pedro Street
Los Angeles, CA 90015
OR P.O. BOX: PHONE: (213) 742-7106
ATTENTION: LOS ANGELES UNIFIED SCHOOL DI

* PERMITTEE LOCATION ADDRESS

DESCRIPTION: LA Unified School District
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
OR P.O. BOX: PHONE: (818) 831-8298
ATTENTION: Debbie Cerro

COUNCIL DIST.: 12 Mitchell Englander

* GENERAL INFORMATION

STATUS: S

DISTRICT: 02 East Valley District SUB-DISTRICT: 02

FOG ZONE: NA SUB-ZONE:

DISCHARGE START DATE: 06/01/1974

FINAL DISPOSAL CODE: 01 Public Sewer

IND. CLASS.: 111 111-Schools

INSP. CLASS.: IP01 Inspection & Control Fee Class 1

BILLING TYPE/FREQ: G Permit for government property / Quarterly

RESTAURANT SEATING CAP: 900

LAUNDRY WASHER COUNT/CAPACITY(lbs): /

NUMBER OF GARBAGE GRINDER/EFF DATE: 0 /

* FACILITY CLASSES

CLASS: LIU:FOG
LIU:LIU
NPDES:NPDES

* SMR FREQUENCIES

FEDERAL: LOCAL: SURCHARGE:

* PERMIT CERTIFICATE

PERMIT TYPE: LIU

PERMIT EFF. DATE: 06/01/1974 AMENDED DATE: 01/13/1995

PERMIT EXP. DATE: 08/02/2004

SIU GROUP:

* PERMIT TERMINATION

TERMINATION DATE:

TERMINATION REASON:

REQUESTOR:

* LATERAL CONNECTION ------ SEWER CONNECTION ------

DESCRIPTION: Public Sewer - Outlet Num : 0000

WYE MAP ID: SEWER PERMIT: 387427

PIPE MATERIAL: SIZE (INCHES):

* FLOW INFORMATION

ORIGINAL TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: 6,000 / 01/03/1986

MAXIMUM TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: /

TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: /

AVG CALENDAR DAY FLOW (GPD, CAL.)/EFF. DATE:

AVG OPERATIONAL DAY FLOW (GPD, CAL.)/EFF. DATE:

SFC FLOW (GPD, CAL.)

SURCHARGE FLOW (GPD, CAL.)/EFF. DATE:

SURCHARGE PSDF FLOW (GPD, CAL.)/EFF. DATE:

* SURCHARGE INFORMATION

QUARTERLY SURCHARGE VALUES: SS: 0 MG/L BOD: 0 MG/L

ZERO BASED QUALITY SURCHARGE INDICATOR: N

* SAMPLE POINT INFORMATION

SP: 00-001 SAMPLE POINT NOT AVAILABLE. -- NORMAL OPERATION
SP TYPE: End-of-Pipe SSF: N FLOW METER PRESENT: N EFFECTIVE DATE: 06/01/1974

* PROCESS UNIT OPERATION

PUO Code:
FBKG 000 Baking - Baking
FBOI 000 Boiling - Boiling
WASF 000 Floor Washing - Floor Washing
WASI 000 General Equipment Washing - General Equipment Washing
FSMR 000 Simmering - Simmering

* PRETREATMENT UNIT OPERATION

PTUO CODE:

00001	SC0020	SCREENING - STATIONARY SCREENS

* SIC

SIC CODE:	8211	Elementary and Secondary Schools
	5812	Eating Places

* NAICS

NAICS CODE:

* COOLING TOWER

TONNAGE:

* OTHER ENVIRONMENTAL PERMIT(S)

PERMIT#/DESCRIPT.: FSE Number from FOG DB / 25532 / IWMD\FOG Added FOG Requirements / XX

* OTHER INDUSTRIAL WASTEWATER PERMIT(S)

PERMIT NUMBER(S):

PREPARED BY: ---------- DATE: ----------

APPROVED BY: ---------- DATE: ----------

ENTERED BY: ---------- DATE: ----------

RUN DATE: 6/22/2017
RUN BY: ATONG

W-387427 IU#-IU004879 STATUS: S SIU SECT.: N DISTRICT: 02 SUBDIST: 02
FOG ZONE: NA SUB-ZONE:
INSPECTOR: NEKPEN AIMIUWU, TAE KEUN KOH, NEKPEN AIMIUWU, TAE KEUN KOH

* APPLICATION

APPL. REASON: New or Proposed Point of Discharge
RECEIVED DATE: 06/01/74 RECEIPT #:

* INDUSTRIAL USER

LEGAL BUS. NAME: LA Unified School District
DBA NAME: Kennedy High School #8725
BUSINESS TYPE Schools
OWNERSHIP TYPE Government
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CONTACT NAME: Debbie Cerro TITLE: Manager
BTRC: Exempt PHONE: (818) 831-8298

* INDUSTRIAL USER MAILING ADDRESS

NAME: L.A. UNIFIED SCHOOL DISTRICT/ENERGY PROGRAM OFFICE
ADDRESS: 1425 S San Pedro Street, Room 302
Los Angeles, CA 90015
OR P.O. BOX: PHONE: (213) 742-7106
ATTENTION: Willie Joshua

* BILLING ADDRESS

NAME: KENNEDY HIGH SCHOOL #8725
ADDRESS: 333 S BEAUDRY Avenue, Floor 22
Los Angeles, CA 90017
OR P.O. BOX: PHONE: (213) 633-7267
ATTENTION: ENERGY MANAGEMENT UNIT

* CORPORATE OFFICERS

NAME 1: ROY ROMER
TITLE 1: SUPERINTENDENT

* PROPERTY OWNER

NAME: LOS ANGELES UNIFIED SCHOOL DISTRICT
ADDRESS: 1425 S San Pedro Street
Los Angeles, CA 90015
OR P.O. BOX: PHONE: (213) 742-7106
ATTENTION: LOS ANGELES UNIFIED SCHOOL DI

* PERMITTEE LOCATION ADDRESS

DESCRIPTION: LA Unified School District
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
OR P.O. BOX: PHONE: (818) 831-8298
ATTENTION: Debbie Cerro

COUNCIL DIST.: 12 Mitchell Englander

* GENERAL INFORMATION

STATUS: S

DISTRICT: 02 East Valley District SUB-DISTRICT: 02

FOG ZONE: NA SUB-ZONE:

DISCHARGE START DATE: 06/01/1974

FINAL DISPOSAL CODE: 01 Public Sewer

IND. CLASS.: 111 111-Schools

INSP. CLASS.: IP01 Inspection & Control Fee Class 1

BILLING TYPE/FREQ: G Permit for government property / Quarterly

RESTAURANT SEATING CAP: 900

LAUNDRY WASHER COUNT/CAPACITY(lbs): /

NUMBER OF GARBAGE GRINDER/EFF DATE: 0 /

* FACILITY CLASSES

CLASS: LIU:FOG
LIU:LIU
NPDES:NPDES

* SMR FREQUENCIES

FEDERAL: LOCAL: SURCHARGE:

* PERMIT CERTIFICATE

PERMIT TYPE: LIU with FOG

PERMIT EFF. DATE: 06/01/1974 AMENDED DATE: 08/02/2004

PERMIT EXP. DATE: 06/26/2012

SIU GROUP:

* PERMIT TERMINATION

TERMINATION DATE:

TERMINATION REASON:

REQUESTOR:

* LATERAL CONNECTION ------ SEWER CONNECTION ------

DESCRIPTION: Public Sewer - Outlet Num : 0000

WYE MAP ID: SEWER PERMIT: 387427

PIPE MATERIAL: SIZE (INCHES):

* FLOW INFORMATION

ORIGINAL TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: 6,000 / 01/03/1986

MAXIMUM TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: /

TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: /

AVG CALENDAR DAY FLOW (GPD, CAL.)/EFF. DATE:

AVG OPERATIONAL DAY FLOW (GPD, CAL.)/EFF. DATE:

SFC FLOW (GPD, CAL.)

SURCHARGE FLOW (GPD, CAL.)/EFF. DATE:

SURCHARGE PSDF FLOW (GPD, CAL.)/EFF. DATE:

* SURCHARGE INFORMATION

QUARTERLY SURCHARGE VALUES: SS: 0 MG/L BOD: 0 MG/L

ZERO BASED QUALITY SURCHARGE INDICATOR: N

* SAMPLE POINT INFORMATION

SP: 00-001 SAMPLE POINT NOT AVAILABLE. -- NORMAL OPERATION
SP TYPE: End-of-Pipe SSF: N FLOW METER PRESENT: N EFFECTIVE DATE: 06/01/1974

* PROCESS UNIT OPERATION

PUO Code:
FBKG 000 Baking - Baking
FBOI 000 Boiling - Boiling
WASF 000 Floor Washing - Floor Washing
WASI 000 General Equipment Washing - General Equipment Washing
FSMR 000 Simmering - Simmering

* PRETREATMENT UNIT OPERATION

PTUO CODE:

00001	SC0020	SCREENING - STATIONARY SCREENS

* SIC

SIC CODE:	8211	Elementary and Secondary Schools
	5812	Eating Places

* NAICS

NAICS CODE:

* COOLING TOWER

TONNAGE:

* OTHER ENVIRONMENTAL PERMIT(S)

PERMIT#/DESCRIPT.: FSE Number from FOG DB / 25532 / IWMD\FOG
Added FOG Requirements / XX

* OTHER INDUSTRIAL WASTEWATER PERMIT(S)

PERMIT NUMBER(S):

PREPARED BY: ---------- DATE: ----------

APPROVED BY: ---------- DATE: ----------

ENTERED BY: ---------- DATE: ----------

RUN DATE: 6/22/2017
RUN BY: ATONG

W-387427 IU#-IU004879 STATUS: A SIU SECT.: N DISTRICT: 02 SUBDIST: 02
FOG ZONE: NA SUB-ZONE:
INSPECTOR: NEKPEN AIMIUWU, TAE KEUN KOH, NEKPEN AIMIUWU, TAE KEUN KOH

* APPLICATION

APPL. REASON: New or Proposed Point of Discharge
RECEIVED DATE: 06/01/74 RECEIPT #:

* INDUSTRIAL USER

LEGAL BUS. NAME: LA Unified School District
DBA NAME: Kennedy High School #8725
BUSINESS TYPE Schools
OWNERSHIP TYPE Government
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CONTACT NAME: Debbie Cerro TITLE: Manager
BTRC: Exempt PHONE: (818) 831-8298

* INDUSTRIAL USER MAILING ADDRESS

NAME: L.A. UNIFIED SCHOOL DISTRICT/ENERGY PROGRAM OFFICE
ADDRESS: 1425 S San Pedro Street, Room 302
Los Angeles, CA 90015
OR P.O. BOX: PHONE: (213) 742-7106
ATTENTION: Willie Joshua

* BILLING ADDRESS

NAME: KENNEDY HIGH SCHOOL #8725
ADDRESS: 333 S BEAUDRY Avenue, Floor 22
Los Angeles, CA 90017
OR P.O. BOX: PHONE: (213) 633-7267
ATTENTION: ENERGY MANAGEMENT UNIT

* CORPORATE OFFICERS

NAME 1: ROY ROMER
TITLE 1: SUPERINTENDENT

* PROPERTY OWNER

NAME: LOS ANGELES UNIFIED SCHOOL DISTRICT
ADDRESS: 1425 S San Pedro Street
Los Angeles, CA 90015
OR P.O. BOX: PHONE: (213) 742-7106
ATTENTION: LOS ANGELES UNIFIED SCHOOL DI

* PERMITTEE LOCATION ADDRESS

DESCRIPTION: LA Unified School District
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
OR P.O. BOX: PHONE: (818) 831-8298
ATTENTION: Debbie Cerro

COUNCIL DIST.: 12 Mitchell Englander

* GENERAL INFORMATION

STATUS: A

DISTRICT: 02 East Valley District SUB-DISTRICT: 02

FOG ZONE: NA SUB-ZONE:

DISCHARGE START DATE: 06/01/1974

FINAL DISPOSAL CODE: 01 Public Sewer

IND. CLASS.: 111 111-Schools

INSP. CLASS.: IP01 Inspection & Control Fee Class 1

BILLING TYPE/FREQ: G Permit for government property / Quarterly

RESTAURANT SEATING CAP: 900

LAUNDRY WASHER COUNT/CAPACITY(lbs): /

NUMBER OF GARBAGE GRINDER/EFF DATE: 0 /

* FACILITY CLASSES

CLASS: LIU:FOG
LIU:LIU
NPDES:NPDES

* SMR FREQUENCIES

FEDERAL: LOCAL: SURCHARGE:

* PERMIT CERTIFICATE

PERMIT TYPE: LIU

PERMIT EFF. DATE: 06/01/1974 AMENDED DATE: 06/26/2012

PERMIT EXP. DATE:

SIU GROUP:

* PERMIT TERMINATION

TERMINATION DATE:

TERMINATION REASON:

REQUESTOR:

* LATERAL CONNECTION ------ SEWER CONNECTION ------

DESCRIPTION: Public Sewer - Outlet Num : 0000

WYE MAP ID: SEWER PERMIT: 387427

PIPE MATERIAL: SIZE (INCHES):

* FLOW INFORMATION

ORIGINAL TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: 6,000 / 01/03/1986

MAXIMUM TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: /

TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: /

AVG CALENDAR DAY FLOW (GPD, CAL.)/EFF. DATE:

AVG OPERATIONAL DAY FLOW (GPD, CAL.)/EFF. DATE:

SFC FLOW (GPD, CAL.)

SURCHARGE FLOW (GPD, CAL.)/EFF. DATE:

SURCHARGE PSDF FLOW (GPD, CAL.)/EFF. DATE:

* SURCHARGE INFORMATION

QUARTERLY SURCHARGE VALUES: SS: 0 MG/L BOD: 0 MG/L

ZERO BASED QUALITY SURCHARGE INDICATOR: N

* SAMPLE POINT INFORMATION

SP: 00-001 SAMPLE POINT NOT AVAILABLE. -- NORMAL OPERATION
SP TYPE: End-of-Pipe SSF: N FLOW METER PRESENT: N EFFECTIVE DATE: 06/01/1974

SP: 01-001 No Sample Point -- Normal Operation
SP TYPE: Other SSF: N FLOW METER PRESENT: N EFFECTIVE DATE: 01/03/1996

* PROCESS UNIT OPERATION

PUO Code:
LABA 000 Analytical Laboratory Operations - Analytical Laboratory Operations
FBKG 000 Baking - Baking
RESB 000 Boiler Repairing/Servicing - Boiler Repairing/Servicing
FBOI 000 Boiling - Boiling
WASE 000 Ceramics/Plaster Equipment Washing - Ceramics/Plaster Equipment Washing
COOA 000 Contact Cooling - Contact Cooling
RESC 000 Cooling Tower/Evaporative Condenser Repairing /Servicing - Cooling Tower/Evaporative Condenser Repairing /Servicing
WASF 000 Floor Washing - Floor Washing
WASI 000 General Equipment Washing - General Equipment Washing
FSMR 000 Simmering - Simmering

* PRETREATMENT UNIT OPERATION

PTUO CODE:

00001	SC0020	SCREENING - STATIONARY SCREENS
01001	CL0030	CLARIFICATION - 3 COMPARTMENT 9X3X3, 607 GAL BELOW INVERT W/SAMPLE BOX
	SC0020	SCREENING - STATIONARY SCREENS

* SIC

SIC CODE:
8211 Elementary and Secondary Schools
5812 Eating Places

* NAICS

NAICS CODE:

* COOLING TOWER

TONNAGE:

* OTHER ENVIRONMENTAL PERMIT(S)

PERMIT#/DESCRIPT.: FSE Number from FOG DB / 25532 / IWMD\FOG Added FOG Requirements / XX

* OTHER INDUSTRIAL WASTEWATER PERMIT(S)

PERMIT NUMBER(S):

PREPARED BY: ..... DATE: .....

APPROVED BY: DATE:

ENTERED BY: DATE:

RUN DATE: 6/22/2017
RUN BY: ATONG

Appendix H

Photocopies Obtained from the
City of Los Angeles Building Department

1

APPLICATION TO CONSTRUCT NEW BUILDING AND FOR CERTIFICATE OF OCCUPANCY

CITY OF LOS ANGELES — DEPT. OF BUILDING AND SAFETY

DIST. MAP 7704	1. LEGAL LOT 126	BLK.	TRACT 20102
ZONE R-S	JOB ADDRESS 11254 Gothic Ave.		APPROVED M.R.
FIRE DIST.	2. BETWEEN CROSS STREETS Lahey AND Index		
INSIDE	3. PURPOSE OF BLDG.		
KEY X	Dwelling and attached garage		
COR. LOT	4. OWNER		
REV. COR.	Mission Valley Homes	Phone: CR 10782	
LOT SIZE 60 x 130	5. OWNER'S ADDRESS 335 N. La Cienega Blvd.	L.A. 48	
REAR ALLEY	6. CERT. ARCH. Roland Russell	STATE LICENSE NUMBER	
SIDE ALLEY	MA 62331		C-851
BLDG. LINE	7. LIC. ENGR.	STATE LICENSE NUMBER	
AFFIDAVITS	8. CONTRACTOR Hadley-Cherry, Inc. 335 N. La Cienega Blvd.	STATE LICENSE NUMBER	111497
BLDG. AREA	9. SIZE OF NEW BLDG. Roofing: Rock 50 x 45	STORIES 1	HEIGHT 11
SPRINKLERS REQ'D. SPECIFIED	10. MATERIAL OF EXTERIOR WALLS: ☐ WOOD ☒ STUCCO	☐ METAL ☐ BRICK	☐ CONC. BLOCK ☐ CONCRETE

1 11254 Gothic Ave.

VALIDATION VN 93011		Dec. 8, 1954	VN 33642
TYPE V	GROUP R-1	MAX. OCC. 1-fam.	Jan. 17, 1955 VN 93011
DIST. OFFICE VN			
C. OF O. ISSUED		PC $250	BP $30.30

DWELL. UNITS

PARKING SPACES

GUEST ROOMS

FILE WITH

CONT. INSP.

11. VALUATION; TO INCLUDE ALL FIXED EQUIPMENT REQUIRED TO OPERATE AND USE PROPOSED BUILDING. $ 9100

40 of 45 Tot.Val. 409,500

I certify that in doing the work authorized hereby I will not employ any person in violation of the Labor Code of the State of California relating to workmen's compensation insurance.

Ray R Cherry
SIGNED

This Form When Properly Validated is a Permit to Do the Work Described

VALUATION APPROVED: O'Connor

APPLICATION CHECKED: O'Connor

PLANS CHECKED: O'Connor

CORRECTIONS VERIFIED: O'Connor

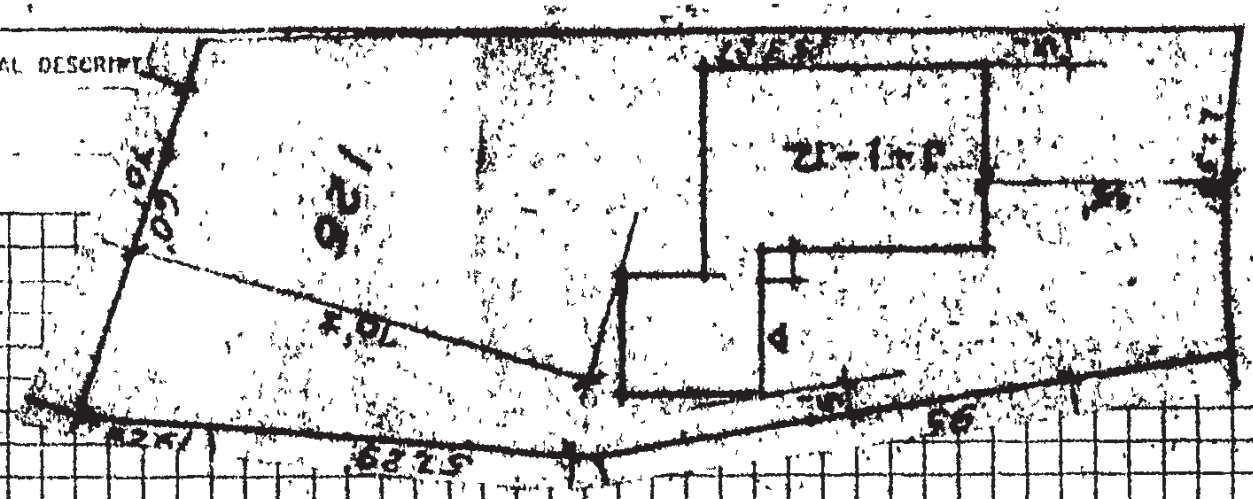
PLANS APPROVED: Tatum

APPLICATION APPROVED: Tatum

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

Form B-1

LEGAL DESCRIPTION



No road

On Plot Plan Show all Buildings on Lot and Use of Each

Address of Building 11254 Gothic Ave.

CITY OF LOS ANGELES

Certificate of Occupancy

NOTE:: Any change of use or occupancy must be approved by the Department of Building and Safety.

This certifies that, so far as ascertained by or made known to the undersigned, the building at above address complies with the applicable requirements of the Municipal Code, as follows: Ch. 1, as to permitted uses; Ch. 9, Arts. 1, 3, 4, and 5; and with applicable requirements of State Housing Act,—for following occupancies:

Issued 5/13/60 Permit No. and Year VN51804/60

10'x17'10" Hobby Shop addition to the existing Garage, accessory to the 1 Story, Type V, Single Family Dwelling, R-1 occupancy.

Owner Alex Shutz

Owner's Address 11254 Gothic Ave.
Granada Hills, California

Form B-95a—10M—3-60 (R-37) G. E. MORRIS, Superintendent of Building — By James B. Cochrane gk

Address of Building 11254 Gothic

Permit No. and Year VN93011/1955

Certificate Issued August 19, 1955

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY

CERTIFICATE OF OCCUPANCY

NOTE: Any change of use or occupancy must be approved by the Department of Building and Safety.

This certifies that, so far as ascertained by or made known to the undersigned, the building at above address complies with the applicable requirements of the Municipal Code, as follows: Ch. 1, as to permitted uses; Ch. 9, Arts. 1, 3, 4, and 5; and with applicable requirements of State Housing Act,—for following occupancies:

1 Story, Type V. Dwelling and Attached Garage, R Occupancy

Owner Valley Mission Homes

Owner's Address 335 N. La Cienega Blvd.
Los Angeles 48, Calif.

Form B-95a—20M—12-54 G. E. MORRIS, Superintendent of Building By JOHN D. MILLER mm

Barbara [illegible]

3

APPLICATION TO ALTER - REPAIR - DEMOLISH AND FOR CERTIFICATE OF OCCUPANCY

CITY OF LOS ANGELES — DEPT. OF BUILDING AND SAFETY

DIST. MAP: 7704	1. LEGAL LOT: 126	BLK.	TRACT: 20102
ZONE: R-S	2. BLDG. ADDRESS: 11254 GOTHIC AVE.		APPROVED
FIRE DIST.: —	3. BETWEEN CROSS STS.: INDEX ST AND SAN FERNANDO MISSION		
INSIDE X / KEY	4. PRESENT USE OF BLDG.: DWELLING	NEW USE OF BLDG.: SAME	
COR. LOT / REV COR.	5. OWNER: ALEX SHUTZ		
LOT SIZE: Irreg x	6. OWNER'S ADDRESS: 11254 GOTHIC AVE		
REAR ALLEY / SIDE ALLEY	7. CERT. ARCH.	STATE LICENSE NUMBER	
BLDG. LINE	8. LIC. ENG.	STATE LICENSE NUMBER	
AFFIDAVITS	9. CONTRACTOR: Owner	STATE LICENSE NUMBER	
BLDG. AREA	10. SIZE OF EX. BLDG.: 30' ~~11'-6"~~ x ~~3~~2'-0" STORIES 1 HEIGHT 9'-0"		
SPRINKLERS REQ'D. SPECIFIED	11. MATERIAL EXT. WALLS: ☐ WOOD ☐ METAL ☐ CONC. BLOCK ☐ STUCCO ☐ BRICK ☐ CONCRETE	ROOF CONST: ☒ WOOD ☐ STEEL ☐ CONC. ☐ OTHER	

3

11254 Gothic Ave.

VALIDATION: LA25238		SEP-16-75	12095	B — 2 CS	1.00
TYPE	GROUP	MAX. OCC.	SEP-16-75	12096	B — 1 CS 2.00
DIST. OFFICE: Van Nuys					
C. OF O. ISSUED		PC$ 1.00		BP$ 2.00	

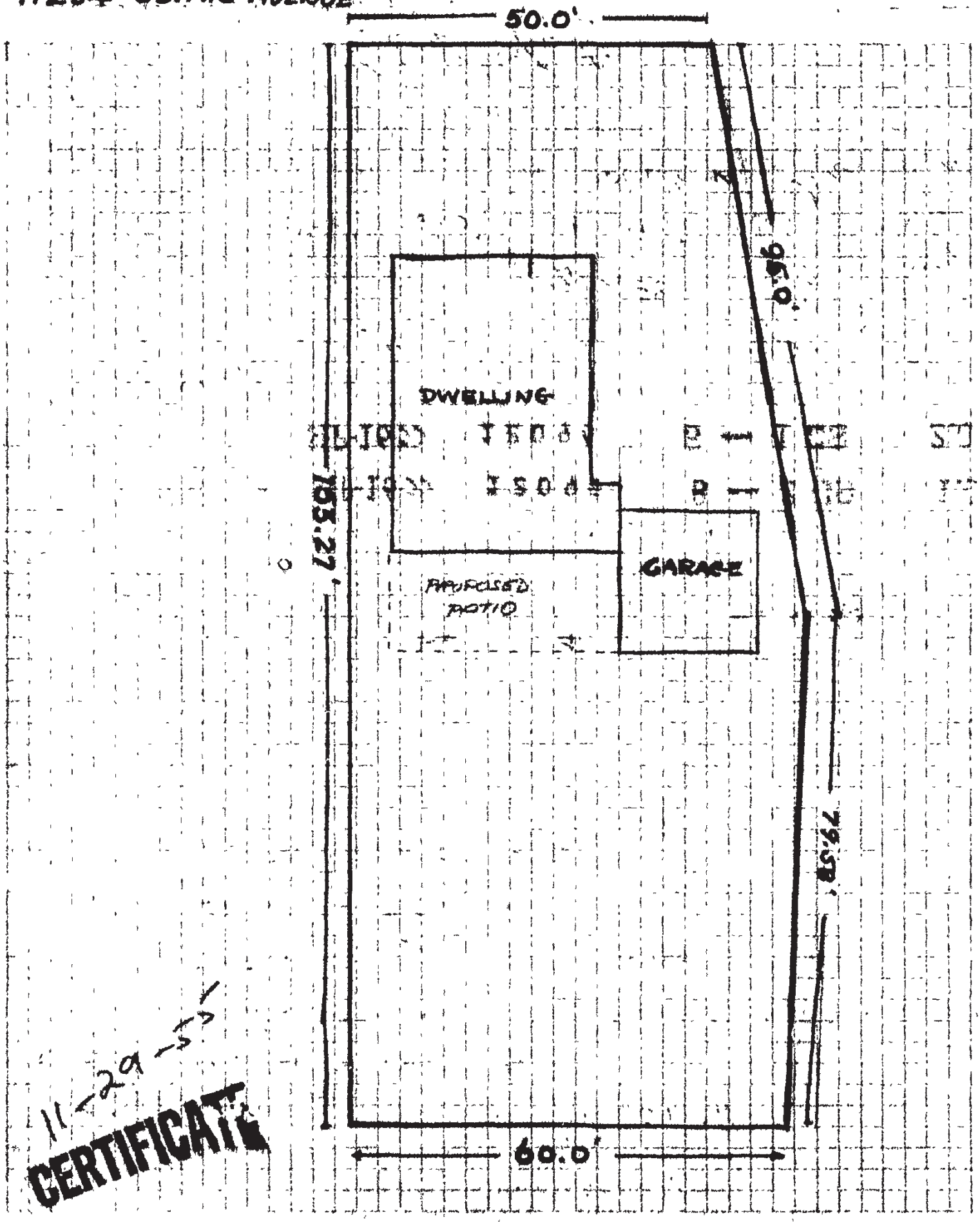
DWELL. UNITS	12. VALUATION: TO INCLUDE ALL FIXED EQUIPMENT REQUIRED TO OPERATE AND USE PROPOSED BLDG. $ 200.00	VALUATION APPROVED: Mowbray
PARKING SPACES	13. SIZE OF ADDITION: 11'-6" x 32'-0" STORIES 1 9'-0" HEIGHT	APPLICATION CHECKED: Yanquely
GUEST ROOMS	14. NEW WORK: MATERIAL EXT. WALLS — MATERIAL ROOF: wood/cork	PLANS CHECKED: Mowbray
FILE WITH	I certify that in doing the work authorized hereby I will not employ any person in violation of the Labor Code of the State of California relating to workmen's compensation insurance.	CORRECTIONS VERIFIED
CONT. INSP.	Alex Shutz SIGNED	PLANS APPROVED
5' R.H. Base (rear) & Portion of side	This form when properly validated is a permit to do the work described.	APPLICATION APPROVED: Mowbray
Filled Cn 1000 psf		

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

Form B-3—75M Sets—11-54

LEGAL DESCRIPTION LOT 126 - TRACT 20102 (RECORDED BOOK 540 - PG 441)

11254 GOTHIC AVENUE



11-29-57

CERTIFICATE

On Plat Plan Show all Buildings for and use of Each

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY

CERTIFICATE OF OCCUPANCY

NOTE: Any change of use or occupancy must be approved by the Department of Building and Safety.

Address of Building: 11254 Gothic Ave.

Permit No. and Year: LA25238/1955

Certificate Issued: Nov. 30, 1955, 19

This certifies that, so far as ascertained by or made known to the undersigned, the building at above address complies with the applicable requirements of the Municipal Code, as follows: Ch. 1, as to permitted uses; Ch. 9, Arts. 1, 3, 4, and 5; and with applicable requirements of State Housing Act,—for following occupancies:

1 story, type V, 11'6x32 living area addition to existing single family dwelling, R-1 occupancy.

Owner: Alex Shutz

Owner's Address: 11254 Gothic Ave.
Granada Hills, Calif.

JOHN D. MILLER mm

Form B-95a—20M—5-55

G. E. MORRIS, Superintendent of Building By.... Barbara Smith

3 GRADING APPLICATION TO ALTER - REPAIR - DEMOLISH AND FOR CERTIFICATE OF OCCUPANCY

Form B-3

X

CITY OF LOS ANGELES no gpi req'd RKH DEPT. OF BUILDING AND SAFETY

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

1. LEGAL LOT: 126	BLK.	TRACT: 20102		DIST. MAP: 7704
2. BUILDING ADDRESS: 11254 Gothic Ave. GH			APPROVED	ZONE: R-S
3. BETWEEN CROSS STREETS: Index St. AND San Fernando Mission				FIRE DIST.: / DS
4. PRESENT USE OF BUILDING: Dwelling		NEW USE OF BUILDING: Same		INSIDE (KEY) 60
5. OWNER: Alex Shutz		PHONE: EM.34221		COR. LOT / REV. COR. /
6. OWNER'S ADDRESS: 11254 Gothic Ave.		P.O.: GH	ZONE	LOT SIZE: Irreg. Over
7. CERT. ARCH.		STATE LICENSE	PHONE	
8. LIC. ENGR.		STATE LICENSE	PHONE	REAR ALLEY / SIDE ALLEY /
9. CONTRACTOR: Owner		STATE LICENSE	PHONE	BLDG. LINE //
10. CONTRACTOR'S ADDRESS		P.O.	ZONE	AFFIDAVITS: 5' P.U.E. Rear&North 1000 Dst
11. SIZE OF EXISTING BLDG.: 32'x50'	STORIES: 1	HEIGHT: 9'0"	NO. OF EXISTING BUILDINGS ON LOT AND USE: (1)Dwell.	

SEWER (Available) (Not Available)

3 11254 Gothic Ave.

DISTRICT OFFICE: VN

12. MATERIAL: EXT. WALLS: ☐ WOOD ☐ METAL ☐ CONC. BLOCK ☒ STUCCO ☐ BRICK ☐ CONCRETE — ROOF CONST.: ☒ WOOD ☐ STEEL ☐ CONC. ☐ OTHER — ROOFING: comp — SPRINKLERS REQ'D. SPECIFIED: X

13. VALUATION: TO INCLUDE ALL FIXED EQUIPMENT REQUIRED TO OPERATE AND USE PROPOSED BUILDING. $600.00 — BLDG. AREA: X

14. SIZE OF ADDITION: 10'0"x17'10" — STORIES: 1 — HEIGHT: 8'5" — VALUATION APPROVED: Holmquist — DWELL. UNITS: 1

15. NEW WORK: (Describe) EXT. WALLS / ROOFING — APPLICATION CHECKED — SPACES PARKING: 1 req'd

Add unfinished Hobby Shop to Garage

PLANS CHECKED — GUEST ROOMS: X

I certify that in doing the work authorized hereby I will not employ any person in violation of the Labor Code of the State of California relating to workmen's compensation insurance.

CORRECTIONS VERIFIED — FILE WITH: X

Signed Alex Shutz

PLANS APPROVED — CONT. INSP.: X

This Form When Properly Validated Is a Permit to Do the Work Described.

APPLICATION APPROVED — INSPECTOR

CRITICAL SOIL

TYPE	GROUP	MAX. OCC.	P.C.	S.P.C.	G.P.I.	B.P.	I.F.	O.S.	C/O
V	R-1	N/C	2.00	X	NO	4.00	X	X	X

CASHIER'S USE ONLY

FEB-15-60 05968 Ca VN•51804 L—2 2.00
FEB-15-60 05969 Ca VN•51804 L—1 4.00

P.C. No. ..... GRADING ..... CRIT. SOIL ..... CONS. .....

CERTIFICATE

S-13-00

OF EACH

LEGAL DESCRIPTION

Appendix I

Request for Records Search to the
South Coast Air Quality Management District and
Response and Photocopies Obtained from that Agency

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

Information Management
Public Records Unit

Direct Dial: (909) 396-3700
FAX: (909) 396-3330

PUBLIC RECORDS REQUEST FORM

PRU Office Use Only
CONTROL NUMBER

ATTENTION REQUESTOR: To expedite your request for District records, please fill out this form completely, and identify specifically the type of records you are requesting. Please limit your request to one facility or one site address for each request form filed, and three requested items per form. Additional forms or pages can be used if requesting information for more than one facility or for records not identified on this form. Requests should reasonably describe identifiable records prepared, owned, used, or retained by the District. Public Records Unit staff is available to assist you in identifying those records in the District's possession. The District is not required by law to create a new record or list from an existing record.

REQUESTOR INFORMATION

NAME: Shannon Castagno		DATE: 6/21/17
COMPANY: Environmental Support Services		
MAILING ADDRESS: 30251 Golden Lantern, #E305		
CITY: Laguna Niguel	STATE: CA	ZIP CODE: 92677
PHONE NUMBER: (949) 429-3564	FAX NUMBER: (949) 429-3563	
EMAIL ADDRESS: Shannon@EnvironmentalSupportServices.com		

REQUESTED RECORDS (*3 items per form*)

☐ Applications (APPLS)	☐ Complaints	☐ Asbestos Notifications/Records
X☐ Permits to Operate (P/O)	☐ Site Inspection Reports (I/R)	☐ Facility Potential to Emit (PTE)
X☐ Equipment List Report (EQL)	☐ Emissions Summary	☐ Facility Positive Balance (NSR)
X☐ Notices of Violation (NOV)	☐ Source Test Reports (S/T RPTS)	☐ Toxic-Health Risk Assessment (HRA)
☐ Notices to Comply (N/C)	☐ Air Monitoring Data	☐ Other (describe below or on additional pages):

TIME PERIOD OF DOCUMENTS REQUESTED From: All To:

REQUESTED FACILITY INFORMATION (If Applicable)

FACILITY NAME: John F. Kennedy High School		
FACILITY ADDRESS: 11254 Gothic Avenue		
CITY: Granada Hills	STATE: CA	ZIP CODE: 91344
FACILITY I.D. NO. (if known):	APPL. AND/OR PERMIT NO. (if known):	

***Direct cost of duplication**: $.15 per page for paper copies (first 10 pages free) and $5.00 per copied audio tape. No charge for copied Diskettes or CDs. Transfer of gathered electronic records onto CD or Diskette typically costs $10.00 each, but costs will vary (see Instructions for Requesting Records).*

☐ I wish to inspect the requested records, where applicable, or receive the requested records electronically at no charge. I do not want copies produced at this time.

☐ I request that the SCAQMD contact me prior to copying the requested records if the cost exceeds $20.00.

X☐ I would like copies of the requested records and I hereby agree to reimburse the SCAQMD for the direct cost of duplication in accordance with Gov. Code Sec. 6253(b).

Shannon Castagno
Signature of Requestor

Note: After a preliminary estimate, advance payment may be required.

(Rev. 06/17/08-lkoenig)

Information Management
Public Records Unit

Direct Dial (909) 396-3700
Fax:(909) 396-3330

COMPLETION LETTER

June 29, 2017

SHANNON CASTAGNO
ENVIRONMENTAL SUPPORT SERVICES
30251 GOLDEN LANTERN # #E305
LAGUNA NIGUEL, CA 92677

Ref.: CONTROL NO. 90815
Received 6/22/2017

Re: P/O'S, EQL'S, & NOV'S FOR JOHN F. KENNEDY HIGH SCHOOL, 11254 GOTHIC AVE., GRANADA HILLS, CA.

After a thorough search of this agency's records, the following records were found:
P/O'S, EQL'S FOR JOHN F. KENNEDY HIGH SCHOOL, 11254 GOTHIC AVE., GRANADA HILLS, CA.

The following records were not found:
NOV'S FOR JOHN F. KENNEDY HIGH SCHOOL, 11254 GOTHIC AVE., GRANADA HILLS, CA.

YOUR REQUESTED RECORDS WERE PROVIDED ELECTRONICALLY ON 06/29/2017

If you have any questions, please do not hesitate to contact me, Tuesday through Friday, **8:00 a.m**. to **4:30 p.m.**

Sincerely,

MELANIE FOSTER x3772
For COLLEEN PAINE
Public Records Coordinator

:mf

User: mfoster

SCAQMD Facility Equipment List Report

Run Date : 06/23/2017 04:02 PM

Facility: 72787 LA UNI SCH DIST, KENNEDY HIGH SCHOOL
Status: Active
MR: SIC: 8211 Team: L1
Last Inspection: 08/04/2016 On Hold: Suspended: TS: TS-11 Industrial: Sector-based Inspections
Quarter: 0010 - inspect in 3rd quarter, every year
Contact: KENNETH DAVIS (213) 6337267 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1583828
Location Address: 11254 GOTHIC AVE, GRANADA HILLS 91344-3709 Sector:VC
Inspector: MR04 MICHAEL RAMOS
Mailing Address: 333 S BEAUDRY AVE, LOS ANGELES 90017 Sector:WF
Inspection Date: 08/04/2016
Instruction:
Disposition: Inspection in progress, Disposition pending

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
208706	D72737	04/26/1993	INACTIVE	011003	BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	06/02/1989	PERMIT TO OPERATE GRANTED
208707	D72736	04/26/1993	INACTIVE	011003	BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	06/02/1989	PERMIT TO OPERATE GRANTED
208708	D72743	04/26/1993	INACTIVE	011003	BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	06/02/1989	PERMIT TO OPERATE GRANTED
228000				666093	BCAT	COMPLIANCE PLAN FOR RULE 1146	05/01/1990	BANKING/ PLAN GRANTED, NON BILLABLE
228001				666093	BCAT	COMPLIANCE PLAN FOR RULE 1146	05/01/1990	APPLICATION CANCELLED, REFUND ALL FEES
228002				666093	BCAT	COMPLIANCE PLAN FOR RULE 1146	05/01/1990	APPLICATION CANCELLED, REFUND ALL FEES
349178	F19503	02/09/1999	EXPIRED	011003	BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	12/22/1998	PERMIT TO OPERATE GRANTED
349179	F19504	02/09/1999	ACTIVE	011003	BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	12/22/1998	PERMIT TO OPERATE GRANTED
349180	F19505	02/09/1999	ACTIVE	011003	BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	12/22/1998	PERMIT TO OPERATE GRANTED
361833	F45774	10/27/2001	ACTIVE	043001	BCAT	I C E (50-500 HP) EM ELEC GEN-NAT GAS	10/20/1999	PERMIT TO OPERATE GRANTED
388543				011502	BCAT	BOILER-(<2MMBTU/HR) R-222	06/21/2001	BANKING/ PLAN GRANTED, NON BILLABLE
397401				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	01/22/2002	BANKING/ PLAN GRANTED, NON BILLABLE
446339				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	07/19/2005	BANKING/ PLAN GRANTED, NON BILLABLE
457496				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	05/11/2006	BANKING/ PLAN GRANTED, NON BILLABLE
479917				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	03/21/2008	BANKING/ PLAN GRANTED, NON BILLABLE
506537				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	02/04/2010	BANKING/ PLAN GRANTED, NON BILLABLE
532685				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	02/01/2012	BANKING/ PLAN GRANTED, NON BILLABLE
563327				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	04/03/2014	BANKING/ PLAN GRANTED, NON BILLABLE
587148				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	06/28/2016	BANKING/ PLAN GRANTED, NON BILLABLE

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
F19505
A/N 349180

This **initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.**
If the **billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.**

LEGAL OWNER
OR OPERATOR: LA UNI SCH DIST, KENNEDY HIGH SCHOOL
P O BOX 2298 BSC RM 303 MA
LOS ANGELES, CA 90051

ID 072787

Equipment Location: 11254 GOTHIC AVE, GRANADA HILLS, CA 91344-3709

Equipment Description:

BOILER, NO. 1, UNIVERSAL ENERGY CORP, MODEL NO. BF175L, SERIAL NO. 115EG, WITH ONE GORDON-PIATT, MODEL NO. LNS 12.1-G-50, NATURAL GAS FIRED LOW NOX BURNER, 7,322,500 BTU PER HOUR.

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.

4) THE BOILER SHALL EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO2, AND NO MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O2.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/jy02
2/09/1999

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D72743
A/N 208708
Page 1

This initial permit shall be renewed BY 6/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: LA UNIFIED SCHOOL DISTRICT - KENEEDY HS
ATTENTION H.E. MENESES
1425 S SAN PEDRO STREET
RM 303, TECH. SERV. AREA 19
LOS ANGELES, CA 90015

ID 072787

Equipment located at: 11254 GOTHIC AVENUE, GRANADA HILLS, CA 91344

Equipment Description:

BOILER, WEIL-MCLAIN, SECTIONAL TYPE, MODEL M-35, 7,140,000 BTU PER HOUR, WITH 36 WEIL-MCLAIN, NATURAL GAS-FIRED ATMOSPHERIC BURNERS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS BOILER SHALL BE FIRED EXCLUSIVELY ON NATURAL GAS.

4. THIS BOILER SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF RULE 1146.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/nd
04/26/93

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
F19503
A/N 349178

This **initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.**
If the **billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.**

LEGAL OWNER
OR OPERATOR: LA UNI SCH DIST, KENNEDY HIGH SCHOOL
P O BOX 2298 BSC RM 303 MA
LOS ANGELES, CA 90051

ID 072787

Equipment Location: 11254 GOTHIC AVE, GRANADA HILLS, CA 91344-3709

Equipment Description:

BOILER, NO. 2, UNIVERSAL ENERGY CORP, MODEL NO. BF175L, SERIAL NO. 114EG, WITH ONE GORDON-PIATT, MODEL NO. LNS 12.1-G-50, NATURAL GAS FIRED LOW NOX BURNER, 7,322,500 BTU PER HOUR.

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.

4) THE BOILER SHALL EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO2, AND NO MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O2.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/jy02
2/09/1999

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
F19504
A/N 349179

This **initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.**
If the **billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.**

LEGAL OWNER
OR OPERATOR: LA UNI SCH DIST, KENNEDY HIGH SCHOOL
P O BOX 2298 BSC RM 303 MA
LOS ANGELES, CA 90051

ID 072787

Equipment Location: 11254 GOTHIC AVE, GRANADA HILLS, CA 91344-3709

Equipment Description:

BOILER, NO. 3, UNIVERSAL ENERGY CORP, MODEL NO. BF175L, SERIAL NO. 113EG, WITH ONE GORDON-PIATT, MODEL NO. LNS 12.1-G-50, NATURAL GAS FIRED LOW NOX BURNER, 7,322,500 BTU PER HOUR.

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.

4) THE BOILER SHALL EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO2, AND NO MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O2.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/jy02
2/09/1999

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D72737
A/N 208706
Page 1

This initial permit shall be renewed BY 6/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 072787

Legal Owner Or Operator: LA UNIFIED SCHOOL DISTRICT - KENEEDY HS
ATTENTION H.E. MENESES
1425 S SAN PEDRO STREET
RM 303, TECH. SERV. AREA 19
LOS ANGELES, CA 90015

Equipment located at: 11254 GOTHIC AVENUE, GRANADA HILLS, CA 91344

Equipment Description:

BOILER, WEIL-MCLAIN, SECTIONAL TYPE, MODEL M-35, 7,140,000 BTU PER HOUR, WITH 36 WEIL-MCLAIN, NATURAL GAS-FIRED ATMOSPHERIC BURNERS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS BOILER SHALL BE FIRED EXCLUSIVELY ON NATURAL GAS.

4. THIS BOILER SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF RULE 1146.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/nd
04/26/93

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
D72736
A/N 208707
Page 1

This initial permit shall be renewed BY 6/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: ID 072787
LA UNIFIED SCHOOL DISTRICT - KENEEDY HS
ATTENTION H.E. MENESES
1425 S SAN PEDRO STREET
RM 303, TECH. SERV. AREA 19
LOS ANGELES, CA 90015

Equipment located at: 11254 GOTHIC AVENUE, GRANADA HILLS, CA 91344

Equipment Description:

BOILER, WEIL-MCLAIN, SECTIONAL TYPE, MODEL M-35, 7,140,000 BTU PER HOUR, WITH 36 WEIL-MCLAIN, NATURAL GAS-FIRED ATMOSPHERIC BURNERS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

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EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/nd
04/26/93

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
F45774
A/N 361833

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: LA UNI SCH DIST, KENNEDY HIGH SCHOOL
P O BOX 2298 BSC RM 303 MAINT & OPERATIONS
LOS ANGELES, CA 90051

ID 072787

Equipment Location: 11254 GOTHIC AVE GRANADA HILLS CA 91344 3709

Equipment Description:

INTERNAL COMBUSTION ENGINE, INTERNATIONAL HARVESTER MODEL I-401, SERIAL NO. 103791, 8 CYLINDERS, NATURALLY ASPIRATED, 120 BHP, NATURAL GAS FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS ENGINE SHALL NOT OPERATE MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.

4. AN OPERATIONAL NON-RESETTABLE, TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.

5. THIS ENGINE SHALL NOT OPERATE MORE THAN 199 HOURS IN ANY ONE YEAR.

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

7. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II AND III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/PIRP
10/27/01

FILE COPY

Appendix J

Request for Records Search to the
Regional Water Quality Control Board – Los Angeles Region and
Response Obtained from that Agency

Environmental Support Services

Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
Tel) 949-429-3564 • Fax) 949-429-3563
www.EnvironmentalSupportServices.com • Info@EnvironmentalSupportServices.com

June 21, 2017

Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Ste 200
Los Angeles, CA 91406

Attention: LUST/WIP/SLIC/Site Mitigation Divisions

Dear Personnel,

Please check for any files/information on the following sites:

Site: "John F. Kennedy High School "
11254 Gothic Avenue
Granada Hills, CA 91344
APN'S 2681-010-909, 2681-010-910 and 2681-101-911

I would like to set up an appointment to review this file **as soon as possible**. Anything you can do to expedite this request would be greatly appreciated. Please call me at
(949) 429-3564. Thanks!

Sincerely,
Environmental Support Services

Shannon Castagno

Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

From: Quidilla, Clarita@Waterboards [Clarita.Quidilla@waterboards.ca.gov] on behalf of WB-RB4-PublicRecords [RB4-PublicRecords.RB4-PublicRecords@waterboards.ca.gov]
Sent: Friday, June 30, 2017 11:49 AM
To: Shannon Castagno
Cc: WB-RB4-PublicRecords
Subject: Public Records Request / Tracking 2017062201

********* Please submit future file review requests to the LARWQCB via e-mail to RB4-publicrecords@waterboards.ca.gov.*********

Thank you for your request to review Regional Board records concerning the property on:

- John F. Kennedy High School – 11254 Gothic Avenue, Granada Hills, CA 91344

The Regional Board has reviewed its files and has concluded that it does not have any records that are responsive to your request.

Thank you,

Clarita Quidilla
Los Angeles Regional Water Quality Control Board

From: Shannon Castagno [mailto:Shannon@EnvironmentalSupportServices.com]
Sent: Wednesday, June 21, 2017 3:38 PM
To: WB-RB4-PublicRecords <RB4-PublicRecords.RB4-PublicRecords@waterboards.ca.gov>; WB-RB4-PublicRecords <RB4-PublicRecords.RB4-PublicRecords@waterboards.ca.gov>
Subject: Public Records Requet

Environmental Support Services
Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
Tel) 949-429-3564 • Fax) 949-429-3563
www.EnvironmentalSupportServices.com • Info@EnvironmentalSupportServices.com

June 21, 2017

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Los Angeles Region

320 West 4th Street, Ste 200
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I would like to set up an appointment to review this file **as soon as possible**. Anything you can do to expedite this request would be greatly appreciated. Please call me at (949) 429-3564. Thanks!

Sincerely,
Environmental Support Services

Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

FACILITY ID #12319

BUSINESS PLAN REVIEW REPORT

- BUSINESS ACTIVITY – PAGE 3
  - FACILITY IDENTIFICATION – VERIFY NUMBER ON TOP OF ALL PAGES
  - ACTIVITIES DECLARATION – VERIFY COMPLETENESS

- BUSINESS OWNER/OPERATOR IDENTIFICATION – PAGE 5:
  - SECTION I-V: VERIFY COMPLETENESS AND REFER CHANGES TO DATA MANAGEMENT
  - VERIFY SIGNATURE AND DATE ARE PRESENT

- CONSOLIDATED CONTINGENCY PLAN/ COVER PAGE – PAGE 7
  - PLAN CERTIFICATION – VERIFY SIGNATURE AND DATE ARE PRESENT

- SECTION I: BUSINESS PLAN/ CONTINGENCY PLAN –PAGE 9-13
  - EMERGENCY CONTACT - VERIFY COMPLETENESS AND REFER CHANGES TO DATA MANAGEMENT
  - EMERGENCY RESPONSE PLANS AND PROCEDURES
    - (A) EMERGENCY NOTIFICATION PAGE – 9: 911 INDICATED
    - (B) EMERGENCY MEDICAL FACILITY PAGE 9: APPROPRIATE LOCATION
    - (C) PRIVATE EMERGENCY RESPONSE PAGE 10: VERIFY APPLICABILITY
    - (D) ARRANGEMENTS WITH EMERGENCY RESPONDERS PAGE 10: VERIFY APPLICABILITY
    - (E) EVACUATION PLANS PAGE 10: VERIFY ALARM, VERBAL WARNING, MAP DIRECTIONS, AND RESPONSIBLE PERSON
    - (F) EARTHQUAKE VULNERABILITY PAGE 10: VERIFY COMPLETENESS
    - (G) EMERGENCY PROCEDURES PAGE 11:
      - PREVENT – INSPECTION/ MONITORING AND CONTAINMENT
      - MITIGATION – SMALL & LARGE LEAKS/SPILLS
      - ABATEMENT – SMALL & LARGE LEAKS/SPILLS
  - EMERGENCY EQUIPMENT PAGE 12: VERIFY COMPLETENESS
  - EMPLOYEE TRAINING LOG PAGE 13: VERIFY COMPLETENESS
  - HAZARDOUS WASTE GENERATOR TRAINING LOG PAGE 13: VERIFY COMPLETENESS

- SECTION II: UST EMERGENCY RESPONSE & MONITORING PLAN-PAGE 15-16:
  - MONITORING PLAN & PROCEDURES PAGE 15: VERIFY COMPLETENESS
  - EMERGENCY RESPONSE PLAN PAGE 16: VERIFY COMPLETENESS OF NAME, ADDRESS, PHONE NUMBERS OF RESPONSIBLE PARTY
  - DISPOSAL, LOCATION OF EQUIPMENT, AND MAINTENANCE SCHEDULE PAGE 16: VERIFY COMPLETENESS
  - *TANK INFORMATION FOR EACH TANK ON THE PROPERTY*
  - *FORM – A/B or ½ "D"*
  - *IDENTIFICATION OF DESIGNATED OPERATOR*

- SITE MAP PAGE 17:
  - ADDRESS, ORIENTATION, HAZ-MAT STORAGE LOCATIONS, TANK LOCATIONS, MONITORING LOCATION,

- HAZARDOUS MATERIAL INVENTORY/ CHEMICAL DESCRIPTION PAGE 21:
  - VERIFY COMPLETENESS (add, delete, or revised inventory), "SME" TO VERIFY CHEMICAL DATA.

- REGULATED SUBSTANCE REGISTRATION PAGE 23:
  - VERIFY COMPLETENESS

- HAZARDOUS GENERATOR – PAGE 29:
  - TYPE OF GENERATOR PAGE 29: VERIFY COMPLETENESS
  - WASTE STREAM IDENTIFICATION PAGE 29: VERIFY COMPLETENESS
  - VERIFY SIGNATURE AND DATE ARE PRESENT

Reviewed by: ENV _____ Data Entry: KW Chemical review: _____ Date: 8/16/12

F-340 C HMBP REVIEW NOV

Part 1 – Citizen
Part 2 – Fire Department
Part 3 – Fire Department

City of Los Angeles

FIRE DEPARTMENT
FIRE/LIFE SAFETY VIOLATION

NOTICE #
____/____-____-____/_____
INSP#,6-DIG DATE,LAST 5-FAC ID.,

OCCUPANCY	DISTRICT	BLOCK NO.	MAP BOOK	PAGE	PARCEL	DATE:

TO:	FIRM OR D.B.A.

ADDRESS:	(STREET)	(CITY)	(STATE)	ZIP CODE	PHONE
ADDRESS OF VIOLATION:	(STREET)	(CITY)	(STATE)	ZIP CODE	FACILITY ID:

Under the authority of the State of California and the Los Angeles Fire Department CUPA, a review of your "Business Plan has been conducted. The following violations have been identified:

COMPLY WITH THE FOLLOWING REQUIREMENTS IN ACCORDANCE WITH CCR 2729 - 2732:

1) BUSINESS ACTIVITY
   1. EPA ID NUMBER SHALL BE CLEARLY IDENTIFIED (HW, RECYCLER, HW TREATMENT
   2. ACTIVITIES DECLARATION SHALL BE COMPLETE AND ACCURATE
2) BUSINESS OWNER/OPERATOR IDENTIFICATION
   1. THIS PAGE MUST CONTAIN A SIGNATURE FROM THE RESPONSIBLE PARTY
   2. THIS PAGE SHALL CONTAIN THE DUN & BRAD STREET NUMBER
   3. THIS PAGE SHALL CONTAIN THE "SIC" NUMBER
   4. THIS PAGE SHALL CONTAIN THE TAX ID NUMBER
3) CONSOLIDATED CONTINGENCY PLAN/ COVER PAGE
   A CERTIFICATION SIGNATURE AND DATE SHALL BE PRESENT
   THE PRE-ESTABLISHED STORAGE LOCATION OF THE BUSINESS PLAN SHALL BE INDICATED
4) SECTION I: BUSINESS PLAN/ CONTINGENCY PLAN PAGE
   1. EMERGENCY CONTACT (ALL INFORMATION SHALL BE COMPLETE AND ACCURATE
   2. EMERGENCY RESPONSE PLANS AND PROCEDURES SHALL BE CLEARLY INDICATED
      a) (A) EMERGENCY NOTIFICATION SHALL INCLUDE NAMES, NUMBERS, AND FIRE DEPARTMENT CONTACT PAGE 9
      b) (B) EMERGENCY MEDICAL FACILITY SHALL LIST THE MOST ACCESSIBLE FACILITY PAGE 9
      c) (C) PRIVATE EMERGENCY RESPONSE SHALL INDICATE AGENCY NAME, NUMBER AND PROCEDURES TO ACQUIRE ASSISTANCE PAGE 10
      d) (D) ARRANGEMENTS WITH EMERGENCY RESPONDERS SHALL IDENTIFY THE SCOPE OF SERVICES PROVIDED PAGE 10
      e) (E) EVACUATION PLANS SHALL BE CLEARLY IDENTIFIED PAGE 10
      f) (F) EARTHQUAKE VULNERABILITY SHALL IDENTIFY ALL AREAS OF VULNERABILITY DURING AN EARTHQUAKE PAGE 10
      g) (G) EMERGENCY PROCEDURES PAGE 11
         I. PREVENT – INSPECTION/ MONITORING AND CONTAINMENT PRACTICES SHALL BE LISTED
         II. MITIGATION – SMALL & LARGE LEAKS/SPILLS INITIAL ACTION SHALL BE LISTED
         III. ABATEMENT – SMALL & LARGE LEAKS/SPILLS INITIAL ACTIONS SHALL BE LISTED
   3. EMERGENCY EQUIPMENT THE EQUIPMENT LIST SHALL MATCH THE PROCESSES LISTED FOR MITIGATION AND ABATEMENT PAGE 12
   4. EMPLOYEE TRAINING LOG THE LOG SHALL CONSIST OF THE EMPLOYEE NAMES TRAINING SUBJECTS AND DATES OF TRAINING PAGE 13
   5. HAZARDOUS WASTE GENERATOR TRAINING LOG SHALL CONSIST OF POSITIONS, TITLES TRAINING SUBJECTS, REQUIREMENTS, LAST 3-YEARS OF TRAINING CONDUCTED PAGE 13
5) SECTION II: UST EMERGENCY RESPONSE & MONITORING PLAN PAGE
   1. MONITORING PLAN & PROCEDURES DOCUMENTATION SHALL BE COMPLETE AND ACCURATE PAGE 15
   2. EMERGENCY RESPONSE PLAN DOCUMENTATION SHALL BE COMPLETE AND ACCURATE PAGE 16
   3. DISPOSAL, LOCATION OF EQUIPMENT, AND MAINTENANCE SCHEDULE SHALL BE LISTED PAGE 16
   4. *TANK INFORMATION FOR EACH TANK ON THE PROPERTY SHALL BE ACCURATELY DOCUMENTED*
   5. *FORM – A/B/D*
   6. *IDENTIFICATION OF DESIGNATED OPERATOR*
6) SITE MAP PAGE 17
7) HAZARDOUS MATERIAL INVENTORY/ CHEMICAL DESCRIPTION PAGE 21
   1. SHALL BE COMPLETE AND ACCURATE FOR EACH CHEMICAL ON SITE
8) REGULATED SUBSTANCE REGISTRATION PAGE 23
   1. THIS SECTION SHALL BE COMPLETED IF THE CHEMICAL IS USED @ A STATIONARY SOURCE AT OR ABOVE THE THRESHOLD LIMIT OR IS AN EXTREMELY HAZARDOUS SUBSTANCE. MUST CONTAIN AN EPA# AN DUN & BRADSTREET# AND THE SIC CODE
9) HAZARDOUS GENERATOR – PAGE 29:
   1. TYPE OF GENERATOR SHALL BE CLEARLY INDICATED PAGE 29
   2. WASTE STREAM IDENTIFICATION SHALL BE COMPLETE (IF APPLICABLE) PAGE 29
10) MISCELLANEOUS DOCUMENTATION

FAILURE ON YOUR PART TO COMPLY WITH THIS NOTICE ON OR BEFORE: ____/____/____
WILL SUBJECT YOU TO PENALTIES PRESCRIBED BY SAID ORDINANCE. A FIRE DEPARTMENT RE-INSPECTION OF YOUR FACILITY SHALL BE MADE FOR FULL COMPLIANCE.

RECEIVED BY: _____ TITLE: _____

FOR ADDITIONAL INFORMATION, PLEASE CALL	DATE COMPLETED ____/____/____ INSPECTOR:	BY ORDER OF THE FIRE CHIEF INSPECTOR SIGNATURE: ASSIGNMENT

FA#0036799
CERT#57153

N/

Los Angeles Unified School District

Office of Environmental Health and Safety

JOHN E. DEASY
Superintendent of Schools

ENRIQUE G. BOULL'T
Chief Operating Officer

JOHN STERRITT
Director

June 14, 2012

Los Angeles County Fire Department
Health Hazardous Materials Division
Data Operations Unit
5825 Rickenbacker Road
Commerce, CA 90040

SUBJECT: SUBMITTAL OF CONSOLIDATED CONTINGENCY PLAN FOR KENNEDY HIGH SCHOOL

The Los Angeles Unified School District would like to submit a Consolidated Contingency Plan for the following site:

Facility Name: Kennedy High School
Street Address: 11254 Gothic Avenue
City, State Zip: Granada Hills, CA 91344

This plan is for the reporting year 2012. If you have any questions, please contact me at (213) 241-3199.

Sincerely,

Laura Maxwell

c. Soe Aung, Environmental Health Supervisor
~~Christine Clark~~, Kennedy High School
Suzanne Blake

Enclosure(s):

333 S. Beaudry Avenue, 27th Floor, Los Angeles, CA 90017 - Telephone (213) 241-3199 - Fax (213) 241-6816

UNIFIED PROGRAM (UP) FORM
BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	F	A		0	0	1		2	3	1	9			1	EPA ID # (Hazardous Waste Only) CAD982024804	2

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Kennedy High School

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...		If Yes, please complete these pages of the UP FORM....
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☑ Yes ☐ No 4	→HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION →CONSOLIDATED CONTINGENCY PLAN (Section I and Site Map(s)) →TRAINING PLAN
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ Yes ☑ No 5	→UST FACILITY →UST TANK (one page per tank)
2. Intend to upgrade existing or install new USTs?	☐ Yes ☑ No 6	→UST FACILITY →UST TANK (one per tank) →UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank)
3. Need to report closing a UST?	☐ Yes ☑ No 7	→UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ Yes ☑ No 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☐ Yes ☑ No 9	→EPA ID NUMBER – provide at the top of this page. →As a generator, answer YES to Item E2b and complete Waste Generator Form.
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ Yes ☑ No 10	→RECYCLABLE MATERIALS REPORT
3. Treat hazardous waste on site?	☐ Yes ☑ No 11	→ONSITE HAZARDOUS WASTE TREATMENT – FACILITY →ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ Yes ☑ No 12	→CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidate hazardous waste generated at a remote site?	☐ Yes ☑ No 13	→REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ Yes ☑ No 14	→HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
E. LOCAL REQUIREMENTS		15
1. REGULATED SUBSTANCES		
Have Regulated Substances (RS) stored on site at greater than the threshold quantities established by the California Accidental Release Program (Cal ARP) ?	☐ Yes ☑ No 15a	In addition to Hazardous Materials requirements, complete: →Regulated Substance Registration →Risk Management Plan (when required)
2. OTHER REQUIREMENTS		
a. Have hazardous materials stored on site at or above a threshold amount established by a CUPA's or PA's local ordinance?	☐ Yes ☑ No 15b	→Consult local CUPA or PA for added reporting requirements.
b. Required by a CUPA or PA to provide other information?	☐ Yes ☑ No 15c	→Waste Generator Form (LA County)

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

UNIFIED PROGRAM (UP) FORM
BUSINESS OWNER/OPERATOR IDENTIFICATION

☐ NEW BUSINESS ☐ OUT OF BUSINESS ☑ REVISE/UPDATE (EFFECTIVE) PAGE OF

I. IDENTIFICATION

FACILITY ID# F A 0 0 1 2 3 1 9 1	BEGINNING DATE 100 1/1/2012	ENDING DATE 101 12/31/2012	
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3 Kennedy High School		BUSINESS PHONE 102 (818) 271-2900	
BUSINESS SITE ADDRESS 103 11254 Gothic Avenue			
CITY Granada Hills 104	CA	ZIP CODE 91344 105	
DUN & BRADSTREET N/A 106		SIC CODE (4 digit #) 8211 107	
COUNTY Los Angeles 108		UNINCORPORATED No 133a.	
BUSINESS OPERATOR NAME 109 Los Angeles Unified School District		BUSINESS OPERATOR PHONE 110 (213) 241-3199	

II. BUSINESS OWNER

OWNER NAME 111 Los Angeles Unified School District		OWNER PHONE 112 (213) 241-3199
OWNER MAILING ADDRESS 113 333 S. Beaudry Avenue, 28th Floor		
CITY 114 Los Angeles	STATE 115 CA	ZIP CODE 116 90017

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117 Soe Aung		CONTACT PHONE 118 (213) 241-3199
CONTACT MAILING ADDRESS 119 333 S. Beaudry Avenue, 28th Floor		
CITY Los Angeles 120	STATE CA 121	ZIP CODE 90017 122

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123 Suzanne Blake	NAME 128 Steve Martinez
TITLE 124 Principal	TITLE 129 Plant Manager
BUSINESS PHONE (818) 271-2900 125	BUSINESS PHONE (818) 271-2900 130
24-HOUR PHONE (213) 625-6631 126	24-HOUR PHONE (213) 625-6631 131
PAGER # 127	PAGER # 132

V. ADDITIONAL LOCALLY COLLECTED INFORMATION 133

NUMBER OF EMPLOYEES 5 133b	FEDERAL TAX IDENTIFICATION NUMBER 95-6001908 133c

MAILING/ BILLING INFORMATION

ADDRESS 133d	CITY 133e	STATE 133f	ZIP CODE 133g
333 S. Beaudry Avenue, 28th Floor	Los Angeles	CA	90017

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE X	DATE 134 6/14/2012	NAME OF DOCUMENT PREPARER 135 Laura Maxwell
NAME OF SIGNER (print) 136 Suzanne Blake	TITLE OF SIGNER 137 Principal	

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

INSPECTOR	DISTRICT	DATE OF INSPECTION	DIVISION	BATTALION	STATION

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

COVER PAGE

FACILITY IDENTIFICATION			
BUSINESS NAME **Kennedy High School**	3		FACILITY ID # 1 **FA0012319**
SITE ADDRESS **11254 Gothic Avenue**	103	CITY **Granada Hills** 104	ZIP CODE 105 **91344**

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

- ◁ Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- ◁ Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- ◁ Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 and 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page.

PROGRAMS	SECTION(S) TO BE COMPLETED
Hazardous Materials Business Plan (HMBP)	Cover Page, Section I, and Site Map(s)
Hazardous Waste Generator (HWG)	Cover Page, Section I, and Site Map(s)
Underground Storage Tank (UST)	Cover Page, Sections I and II, and Site Map(s)
HMBP, HWG, UST	Cover Page, Sections I and II, and Site Map(s)

A copy of the plan shall be submitted to your local CUPA and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

Main Office

PLAN CERTIFICATION

I certify under penalty of law that I have personally examined and I am familiar with the information provided by this plan and to the best of my knowledge the information is accurate, complete, and true.

Printed Name of Owner/ Operator	Title of Owner/Operator
Suzanne Blake	**Principal**
Signature of Owner/ Operator	Date **6/14/2012**

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact your local CUPA or PA.

OFFICIAL USE ONLY			DATE RECEIVED		REVIEWED BY	
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

I. FACILITY IDENTIFICATION

BUSINESS NAME 3 **Kennedy High School**		FACILITY ID # 1 **FA0012319**
SITE ADDRESS 103 **11254 Gothic Avenue**	CITY 104 **Granada Hills**	ZIP CODE 105 **91344**

II. EMERGENCY CONTACTS

PRIMARY		SECONDARY	
NAME **Suzanne Blake**	123	NAME **Steve Martinez**	128
TITLE **Principal**	124	TITLE **Plant Manager**	129
BUSINESS PHONE **(818) 271-2900**	125	BUSINESS PHONE **(818) 271-2900**	130
24-HOUR PHONE **(213) 625-6631**	126	24-HOUR PHONE **(213) 625-6631**	131
PAGER #	127	PAGER #	132

III. EMERGENCY RESPONSE PLANS AND PROCEDURES

A. Notifications

Your business is required by State Law to provide an immediate verbal report of any release or threatened release of a hazardous material to local fire emergency response personnel, this Unified Program Agency (CUPA or PA), and the Office of Emergency Services. If you have a release or threatened release of hazardous materials, immediately call:

FIRE/PARAMEDICS/POLICE/SHERIFF
PHONE: 911

AFTER the local emergency response personnel are notified, you shall then notify this Unified Program Agency and the Office of Emergency Services.

Local Unified Program Agency: (323) 890-4317
State Office of Emergency Service: (800) 852-7550 or (916) 262-1621
National Response Center: (800) 424-8802

Information to be provided during Notification:

- ◁ Your Name and the Telephone Number from where you are calling.
- ◁ Exact address of the release or threatened release.
- ◁ Date, time, cause, and type of incident (e.g. fire, air release, spill etc.)
- ◁ Material and quantity of the release, to the extent known.
- ◁ Current condition of the facility.
- ◁ Extent of injuries, if any.
- ◁ Possible hazards to public health and/ or the environment outside of the facility.

B. Emergency Medical Facility

List the local emergency medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous material

HOSPITAL/CLINIC: **Providence Holy Cross Medical Center**	PHONE NO: **(818) 365-8051**
ADDRESS: **15031 Rinaldi St.**	
CITY: **Mission Hills**	ZIP CODE: **91346**

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

C. Private Emergency Response

DOES YOUR BUSINESS HAVE A PRIVATE ON-SITE EMERGENCY RESPONSE TEAM? ☐ Yes ☑ No

If yes, provide an attachment that describes what policies and procedures your business will follow to notify your on-site emergency response team in the event of a release or threatened release of hazardous materials.

CLEANUP/DISPOSAL CONTRACTOR

List the contractor that will provide cleanup services in the event of a release.

NAME OF CONTRACTOR:	PHONE NO:
Ecology Control Industries	**(310) 354-9999**
ADDRESS: **19500 Normandie Avenue**	
CITY: **Torrance, CA**	ZIP CODE: **90501**

D. Arrangements With Emergency Responders

If you have made special (i.e. contractual) arrangements with any police department, fire department, hospital, contractor, or State or local emergency response team to coordinate emergency services, describe those arrangements on the lines below:

All LAUSD schools are served by the School District Police Department. In addition, they are supported by the District's Office of Environmental Health and Safety that has an Emergency Response team that is trained and licensed to oversee hazardous material clean-up.

E. Evacuation Plan

1. The following alarm signal(s) will be used to begin evacuation of the facility *(check all which apply)*:

☑ Verbal ☑ Telephone *(including cellular)* ☑ Alarm System ☑ Public Address System ☑ Intercom
☐ Pagers ☑ Portable Radio ☐ Other *(specify)*:

2. ☑ Evacuation map is prominently displayed throughout the facility. **Yes. In the Safe School Plan**

3. ☑ Individual(s) responsible for coordinating evacuation including spreading the alarm and confirming the business has been evacuated: **All Administrative Staff, Certificated and Classified Staff - See Safe School Plan, Volume 2**

F. Earthquake Vulnerability

Identify areas of the facility where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Hazardous Waste/ Hazardous Materials Storage Areas ☐ Production Floor ☐ Process Lines
☑ Bench/ Lab ☐ Waste Treatment ☐ Other:

Identify mechanical systems where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Utilities ☑ Sprinkler Systems ☑ Cabinets ☑ Shelves
☑ Racks ☐ Pressure Vessels ☐ Gas Cylinders ☐ Tanks
☐ Process Piping ☑ Shutoff Valves ☐ Other:

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

G. Emergency Procedures

Briefly describe your business standard operating procedures in the event of a release or threatened release of hazardous materials:

1. **PREVENTION** (prevent the hazard) - Describe the kinds of hazards associated with the hazardous materials present at your facility. What actions would your business take to prevent these hazards from occurring? You may include a discussion of safety and storage procedures.

All Los Angeles City schools are limited to a small number of approved chemicals that are allowed on campus. Chemistry classes are encouraged to use "Micro Chemistry" to reduce the quantity of chemicals being used and stored on campus. Schools are not allowed to store or use any kinds of herbicides or pesticides for weed or pest management.

Gasoline drums shall be stored inside a locked flammable liquid storage room (i.e. gasoline bunker or block house) and shall be posted with 'No Smoking' and 'Flammable Liquid' signs outside the room. Gasoline drums shall be grounded with wire at all times. Diesel drums shall also be kept inside the flammable liquid storage room. 'No Smoking' and ' Combustible Liquid' signs shall be posted for diesel drums. Welding process shall not be conducted nearby this room. It is strongly suggested to store minimal quantity and to use secondary containment system for these drums.

Compressed gas cylinders shall be chained at all times. A compressed gas sign shall be posted on the cylinder(s) or by the cylinder(s). Waste oil and waste anti-freeze drums shall be kept inside the secondary containment system and affixed with completed hazardous waste labels

2. **MITIGATION** (reduce the hazard) - Describe what is done to lessen the harm or the damage to person(s), property, or the environment, and prevent what has occurred from getting worse or spreading. What is your immediate response to a leak, spill, fire, explosion, or airborne release at your business?

All Los Angeles City School personnel receive annual training on chemical safety. In addition, specific classes of employees receive additional training on chemical use and safety. At least once a year the schools are inspected by a School Safety Officer and chemical supplies are inspected. Outdated and unauthorized chemicals are removed.

3. **ABATEMENT** (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you handle the complete process of stopping a release, cleaning up, and disposing of released materials at your facility?

All Los Angeles City Schools follow specific directions found in Safe School Plan, Volume 2 - Emergency Procedures. If a substance is released the students are evacuated to a safe zone, the release area is isolated and access is restricted. Small Leaks/Spills: Plant Manager and/or Chemical Safety Coordinator (CSC) at school will clean up small spills of science chemicals, automotive fluids, or janitorial chemicals by using absorbent. The Office of Environmental Health and Safety must be notified for proper disposal at off-site licensed facilities. Large Leaks/Spills: The school will call the Office of Environmental Health and Safety and their Emergency Response Team will work with local responders and District contractors to abate the condition.

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

IV. Emergency Equipment

22 CCR, Section 66265.52(e) [as referenced by Section 66262.34(a)(3)] requires that emergency equipment at the facility be listed. Completion of the following Emergency Equipment Inventory Table meets this requirement.

1. Equipment Category	2. Equipment Type	3. Location *	4. Description**
Personal Protective, Equipment, Safety Equipment, and First Aid Equipment	☐ Cartridge Respirators		
	☐ Chemical Monitoring Equipment *(describe)*		
	☑ Chemical Protective Aprons/Coats	ER bin	Rubber
	☐ Chemical Protective Boots		
	☑ Chemical Protective Gloves	ER bin; PM Offic	Latex
	☐ Chemical Protective Suits *(describe)*		
	☑ Face Shields	ER bin	Fullface
	☑ First Aid Kits/Stations *(describe)*	ER bin; PM Offic	Standard
	☑ Hard Hats	ER bin	Plastic
	☐ Plumbed Eye Wash Stations		
	☑ Portable Eye Wash Kits *(i.e. bottle type)*	ER bin	Eyesaline
	☐ Respirator Cartridges *(describe)*		
	☑ Safety Glasses/Splash Goggles	ER bin: PM Offic	Plastic
	☐ Safety Showers		
	☐ Self-Contained Breathing Apparatuses (SCBA)		
	☐ Other *(describe)*		
Fire Extinguishing Systems	☑ Automatic Fire Sptinkler Systems	Throughout site	Standard
	☑ Fire Alarm Boxes/Stations	Throughout site	Standard
	☑ Fire Extinguisher Systems *(describe)*	Throughout site	Standard
	☐ Other *(describe)*		
Spill Control Equipment and Decontamination Equipment	☑ Absorbents (describe)	Plant Mgr's Offic	Absorbent
	☐ Berms/Dikes (describe)		
	☐ Decontamination Equipment (describe)		
	☐ Emergency Tanks (describe)		
	☐ Exhaust Hoods		
	☐ Gas Cylinders Leak Repair Kits (describe)		
	☐ Neutralizers (describe)		
	☐ Overpack Drums		
	☐ Sumps (describe)		
	☐ Other (describe)		
Communications and Alarm Systems	☐ Chemical Alarms (describe)		
	☑ Intercoms/ PA Systems	Throughout site	Standard
	☑ Portable Radios	Admin, custodial	Standard
	☑ Telephones	Throughout site	Standard
	☐ Underground Tank Leak Detection Monitors		
	☐ Other (describe)		
Additional Equipment (Use Additional Pages if Needed.)			

**Use the Location Codes (LC) from the Site Map(s) prepared for your Contingency Plan.*

***Describe the equipment and its capabilities. If applicable, specify any testing/maintenance procedures/intervals. Attach additional pages, numbered appropriately, if needed.*

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR **2012** 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Kennedy High School

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # F A 0 0 1 2 3 1 9

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **F - 1**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Gasoline

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Gasoline** 207

EHS* ☐ Yes ☑ No 208

CAS# **8006-61-9** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 Gallons** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
50 Gallons	**110 Gallons**	**N/A**	**N/A**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **365** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK
☐ B. UNDERGROUND TANK
☐ c. TANK INSIDE BUILDING
☑ d. STEEL DRUM
☐ e. PLASTIC/NONMETALLIC DRUM
☐ f. CAN
☐ g. CARBOY
☐ h. SILO
☐ i. FIBER DRUM
☐ j. BAG
☐ k. BOX
☐ i. CYLINDER
☐ m. GLASS BOTTLE
☐ n. PLASTIC BOTTLE
☐ o. TOE BIN
☐ p. TANK WAGON
☐ q. RAIL CAR
☐ r. OTHER
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**Gasoline** 27	☐ Yes ☑ No 228	**Mixture** 229
0 - 50 230	**Miscellaneous Hydrocarbons** 31	☐ Yes ☑ No 232	**Mixture** 233
0 - 25 234	**Xylene, mixed isomers** 35	☐ Yes ☑ No 236	**1330-20-7** 237
0 - 25 238	**Toluene** 39	☐ Yes ☑ No 240	**108-88-3** 241
0 - 5 242	**1, 2, 4 - Trimethyl Benzene** 43	☐ Yes ☑ No 244	**95-63-6** 245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

[ ] ADD [ ] DELETE [x] REVISE REPORTING YEAR **2012** 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Kennedy High School

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) [ ] Yes [x] No 202

FACILITY ID # F A 0 0 1 2 3 1 9

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **F - 1**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
CITGO No. 2 Diesel Fuel, Low Sulfur, All Grades

TRADE SECRET [ ] Yes [x] No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Diesel Fuel** 207

EHS* [ ] Yes [x] No 208

CAS# **68334-30-5** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) [ ] a. PURE [x] b. MIXTURE [ ] c. WASTE 211

RADIOACTIVE [ ] Yes [x] No 12

CURIES 213

PHYSICAL STATE (Check one item only) [ ] a. SOLID [x] b. LIQUID [ ] c. GAS 214

LARGEST CONTAINER **55 Gallons** 215

FED HAZARD CATEGORIES (Check all that apply) [x] a. FIRE [ ] b. REACTIVE [ ] c. PRESSURE RELEASE [x] d. ACUTE HEALTH [x] e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
25 Gallons	**55 Gallons**	**N/A**	**N/A**

UNITS* (Check one item only) [x] a. GALLONS [ ] b. CUBIC FEET [ ] c. POUNDS [ ] d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **365** 222

STORAGE CONTAINER
[ ] a. ABOVE GROUND TANK
[ ] B. UNDERGROUND TANK
[ ] c. TANK INSIDE BUILDING
[x] d. STEEL DRUM
[ ] e. PLASTIC/NONMETALLIC DRUM
[ ] f. CAN
[ ] g. CARBOY
[ ] h. SILO
[ ] i. FIBER DRUM
[ ] j. BAG
[ ] k. BOX
[ ] i. CYLINDER
[ ] m. GLASS BOTTLE
[ ] n. PLASTIC BOTTLE
[ ] o. TOE BIN
[ ] p. TANK WAGON
[ ] q. RAIL CAR
[ ] r. OTHER
223

STORAGE PRESSURE [x] a.AMBIENT [ ] b. ABOVE AMBIENT [ ] c. BELOW AMBIENT 224

STORAGE TEMPERATURE [x] a.AMBIENT [ ] b. ABOVE AMBIENT [ ] c. BELOW AMBIENT [ ] c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 - 10 226	**Nonane, all isomers** 27	[ ] Yes [x] No 228	**Mixture** 229
0 - 2 230	**Trimethylbenzenes, all isomers** 31	[ ] Yes [x] No 232	**25551-13-7** 233
0 - 2 234	**Napthalene** 35	[ ] Yes [x] No 236	**91-20-3** 237
0 - 2 238	**Biphenyl (Diphenyl)** 39	[ ] Yes [x] No 240	**92-52-4** 241
0 - 1 242	**Cumene** 43	[ ] Yes [x] No 244	**98-82-8** 245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

City of Los Angeles Fire Department
Fire Prevention Bureau – Technical Section
200 N. Main Street, Room 1780
Los Angeles, CA 90012

ANNUAL INVENTORY UPDATE

Facility ID: FA0012319

LAUSD - KENNEDY HIGHSCHOOL
333 S BEAUDRY AVE., 27TH FL
LOS ANGELES, CA 90017

LOS ANGELES UNIFIED SCHOOL DIS
11254 N GOTHIC AVE
GRANADA HILLS, CA 91344

Date last business plan submitted: 7/8/2011

Annual Inventory Update (choose one method):

☐ **Modify existing business information and inventory** (see reverse side of this form) **OR**

☐ **Submit new inventory** (must complete business information and chemical inventory forms) **OR**

☒ **Complete Certification Statement 9** (below) stating that the inventory submitted within the last year is complete, accurate and current.

The Certification Statement can only be used if all of the following conditions apply:

1. Business has previously filed the hazardous materials inventory report
2. Company official signs **Certification Statement** and attests to:
   a. Most recently submitted inventory is complete, accurate and up to date
   b. No change in quantity of reportable hazardous materials is accurate and up to date
   c. All hazardous materials are listed in that inventory
3. Business is not subject to EPCRA (Emergency Planning and Community Right to Know Act) reporting requirements

CERTIFICATION STATEMENT:

I certify that I am the business owner or officially designated representative of the business listed at the top of this form.

I certify that the information contained in the hazardous materials inventory most recently submitted to the Los Angeles Fire Department CUPA is complete, accurate, and up to date.

There has been no change in the quantity of hazardous materials reported in the most recently submitted inventory.

No hazardous materials subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.

Signature

Date 1/20/2012

Title EHS

By MARCH 1, 2012, please return to:

City of Los Angeles Fire Department
Fire Prevention Bureau - Technical Section
200 N. Main Street, Room 1780
Los Angeles, CA 90012

California Health and Safety Code, Chapter 6.95 requires all handlers of hazardous materials to annually update their hazardous material inventory with the local administering agency on or before March 1. The City of Los Angeles Fire Department, as that agency, processes and maintains business emergency response plans and inventories for businesses within the City.

Only list changes to your existing inventory here (you may attach additional pages if necessary)

Chemical Name/CAS #	Maximum daily amount	Storage Container	Physical State: gal, lbs, cubic ft.	Storage Location	Inactive Y or N	Effective date

Please list any Business/ Owner changes. (If you have further information to submit, you may attach additional pages)
A copy of your business license is required when reporting a change of ownership.

Owner Name	Business name	Mailing address	Other	Effective Date

For more information on the CUPA Program, please visit our website:
http://www.lafd.org/prevention or **call (213) 978-3680.**

CERT # 07402 C

Los Angeles Unified School District

Office of Environmental Health and Safety

JOHN E. DEASY
Superintendent of Schools

ENRIQUE G. BOULL'T
Interim Chief Operating Officer

JOHN STERRITT
Director

FA0012319
12319

July 11, 2011

Los Angeles County Fire Department
Health Hazardous Materials Division
Data Operations Unit
5825 Rickenbacker Road
Commerce, CA 90040

SUBJECT: SUBMITTAL OF CONSOLIDATED CONTINGENCY PLAN FOR KENNEDY HIGH SCHOOL

The Los Angeles Unified School District would like to submit a Consolidated Contingency Plan for the following site:

Facility Name: Kennedy High School
Street Address: 11254 Gothic Avenue
City, State Zip: Granada Hills, CA 91344

This plan is for the reporting year 2011. If you have any questions, please contact me at (213) 241-3199.

Sincerely,

Laura Maxwell

Laura Maxwell

c. Soe Aung, Environmental Health Supervisor
Suzanne Blake, Kennedy High School

Enclosure(s):

Received
JUL 15 2011
HHMD - Data Ops

UNIFIED PROGRAM (UP) FORM
BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	F	A		0	0	1		2	3	1	9			1	EPA ID # (Hazardous Waste Only) CAD982024804 2

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3
Kennedy High School

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...	If Yes, please complete these pages of the UP FORM....	
A. HAZARDOUS MATERIALS		
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☑ Yes ☐ No 4	→HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION →CONSOLIDATED CONTINGENCY PLAN (Section I and Site Map(s)) →TRAINING PLAN
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ Yes ☑ No 5	→UST FACILITY →UST TANK (one page per tank)
2. Intend to upgrade existing or install new USTs?	☐ Yes ☑ No 6	→UST FACILITY →UST TANK (one per tank) →UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank)
3. Need to report closing a UST?	☐ Yes ☑ No 7	→UST TANK (closure portion – one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)		
Own or operate ASTs above these thresholds: —any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ Yes ☑ No 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☑ Yes ☐ No 9	→EPA ID NUMBER – provide at the top of this page. →As a generator, answer YES to Item E2b and complete Waste Generator Form.
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ Yes ☑ No 10	→RECYCLABLE MATERIALS REPORT
3. Treat hazardous waste on site?	☐ Yes ☑ No 11	→ONSITE HAZARDOUS WASTE TREATMENT – FACILITY →ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ Yes ☑ No 12	→CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidate hazardous waste generated at a remote site?	☐ Yes ☑ No 13	→REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ Yes ☑ No 14	→HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
E. LOCAL REQUIREMENTS		15
1. REGULATED SUBSTANCES		
Have Regulated Substances (RS) stored on site at greater than the threshold quantities established by the California Accidental Release Program (Cal ARP) ?	☐ Yes ☑ No 15a	In addition to Hazardous Materials requirements, complete: →Regulated Substance Registration →Risk Management Plan (when required)
2. OTHER REQUIREMENTS		
a. Have hazardous materials stored on site at or above a threshold amount established by a CUPA's or PA's local ordinance?	☐ Yes ☑ No 15b	→Consult local CUPA or PA for added reporting requirements.
b. Required by a CUPA or PA to provide other information?	☑ Yes ☐ No 15c	→Waste Generator Form (LA County)

Received JUL 15 2011 HHMD - Data Ops

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

UNIFIED PROGRAM (UP) FORM
BUSINESS OWNER/OPERATOR IDENTIFICATION

☐ NEW BUSINESS ☐ OUT OF BUSINESS ☑ REVISE/UPDATE (EFFECTIVE) PAGE OF

I. IDENTIFICATION

FACILITY ID# 367099 F A 0 0 1 2 3 1 9 1	BEGINNING DATE 100: 1/1/2011	ENDING DATE 101: 12/31/2011	
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: Kennedy High School	BUSINESS PHONE 102: (818) 271-2900		
BUSINESS SITE ADDRESS 103: 11254 Gothic Avenue			
CITY 104: Granada Hills	CA	ZIP CODE 105: 91344	
DUN & BRADSTREET 106: N/A	SIC CODE (4 digit #) 107: 8211		
COUNTY 108: Los Angeles	UNINCORPORATED 133a.: No		
BUSINESS OPERATOR NAME 109: Los Angeles Unified School District	BUSINESS OPERATOR PHONE 110: (213) 241-3199		

II. BUSINESS OWNER

OWNER NAME 111: Los Angeles Unified School District	OWNER PHONE 112: (213) 241-3199	
OWNER MAILING ADDRESS 113: 333 S. Beaudry Avenue, 27th Floor		
CITY 114: Los Angeles	STATE 115: CA	ZIP CODE 116: 90017

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117: Soe Aung	CONTACT PHONE 118: (213) 241-3199	
CONTACT MAILING ADDRESS 119: 333 S. Beaudry Avenue, 27th Floor		
CITY 120: Los Angeles	STATE 121: CA	ZIP CODE 122: 90017

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123: Suzanne Blake	NAME 128: Steve Martinez
TITLE 124: Principal	TITLE 129: Plant Manager
BUSINESS PHONE 125: (818) 271-2900	BUSINESS PHONE 130: (818) 271-2900
24-HOUR PHONE 126: (213) 625-6631	24-HOUR PHONE 131: (213) 625-6631
PAGER # 127:	PAGER # 132:

V. ADDITIONAL LOCALLY COLLECTED INFORMATION 133

NUMBER OF EMPLOYEES 133b: 5	FEDERAL TAX IDENTIFICATION NUMBER 133c: 95-6001908

MAILING/ BILLING INFORMATION

ADDRESS 133d	CITY 133e	STATE 133f	ZIP CODE 133g
333 S. Beaudry Avenue, 27th Floor	Los Angeles	CA	90017

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE X	DATE 134: 7/8/2011	NAME OF DOCUMENT PREPARER 135: Laura Maxwell
NAME OF SIGNER (print) 136: Suzanne Blake	TITLE OF SIGNER 137: Principal	

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

INSPECTOR	DISTRICT	DATE OF INSPECTION	DIVISION	BATTALION	STATION

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

COVER PAGE

FACILITY IDENTIFICATION			
BUSINESS NAME **Kennedy High School**	3		FACILITY ID # 1 **FA0012319**
SITE ADDRESS **11254 Gothic Avenue**	103	CITY **Granada Hills** 104	ZIP CODE 105 **91344**

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

- Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 and 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page.

PROGRAMS	SECTION(S) TO BE COMPLETED
Hazardous Materials Business Plan (HMBP)	Cover Page, Section I, and Site Map(s)
Hazardous Waste Generator (HWG)	Cover Page, Section I, and Site Map(s)
Underground Storage Tank (UST)	Cover Page, Sections I and II, and Site Map(s)
HMBP, HWG, UST	Cover Page, Sections I and II, and Site Map(s)

A copy of the plan shall be submitted to your local CUPA and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

Main Office

PLAN CERTIFICATION

I certify under penalty of law that I have personally examined and I am familiar with the information provided by this plan and to the best of my knowledge the information is accurate, complete, and true.

Printed Name of Owner/ Operator	Title of Owner/Operator
Suzanne Blake	**Principal**
Signature of Owner/ Operator X	Date **7/8/2011**

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact your local CUPA or PA.

OFFICIAL USE ONLY			DATE RECEIVED		REVIEWED BY	
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

I. FACILITY IDENTIFICATION

BUSINESS NAME 3 **Kennedy High School**		FACILITY ID # 1 **FA0012319**
SITE ADDRESS 103 **11254 Gothic Avenue**	CITY 104 **Granada Hills**	ZIP CODE 105 **91344**

II. EMERGENCY CONTACTS

PRIMARY		SECONDARY	
NAME **Suzanne Blake**	123	NAME **Steve Martinez**	128
TITLE **Principal**	124	TITLE **Plant Manager**	129
BUSINESS PHONE **(818) 271-2900**	125	BUSINESS PHONE **(818) 271-2900**	130
24-HOUR PHONE **(213) 625-6631**	126	24-HOUR PHONE **(213) 625-6631**	131
PAGER #	127	PAGER #	132

III. EMERGENCY RESPONSE PLANS AND PROCEDURES

A. Notifications

Your business is required by State Law to provide an immediate verbal report of any release or threatened release of a hazardous material to local fire emergency response personnel, this Unified Program Agency (CUPA or PA), and the Office of Emergency Services. If you have a release or threatened release of hazardous materials, immediately call:

FIRE/PARAMEDICS/POLICE/SHERIFF
PHONE: 911

AFTER the local emergency response personnel are notified, you shall then notify this Unified Program Agency and the Office of Emergency Services.

Local Unified Program Agency: (323) 890-4317
State Office of Emergency Service: (800) 852-7550 or (916) 262-1621
National Response Center: (800) 424-8802

Information to be provided during Notification:

- ◁ Your Name and the Telephone Number from where you are calling.
- ◁ Exact address of the release or threatened release.
- ◁ Date, time, cause, and type of incident (e.g. fire, air release, spill etc.)
- ◁ Material and quantity of the release, to the extent known.
- ◁ Current condition of the facility.
- ◁ Extent of injuries, if any.
- ◁ Possible hazards to public health and/ or the environment outside of the facility.

B. Emergency Medical Facility

List the local emergency medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous material

HOSPITAL/CLINIC: **Providence Holy Cross Medical Center**	PHONE NO: **(818) 365-8051**
ADDRESS: **15031 Rinaldi St.**	
CITY: **Mission Hills**	ZIP CODE: **91346**

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Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

C. Private Emergency Response

DOES YOUR BUSINESS HAVE A PRIVATE ON-SITE EMERGENCY RESPONSE TEAM? ☐ Yes ☑ No

If yes, provide an attachment that describes what policies and procedures your business will follow to notify your on-site emergency response team in the event of a release or threatened release of hazardous materials.

CLEANUP/DISPOSAL CONTRACTOR

List the contractor that will provide cleanup services in the event of a release.

NAME OF CONTRACTOR:	PHONE NO:
Ecology Control Industries	**(310) 354-9999**
ADDRESS: **19500 Normandie Avenue**	
CITY: **Torrance, CA**	ZIP CODE: **90501**

D. Arrangements With Emergency Responders

If you have made special (i.e. contractual) arrangements with any police department, fire department, hospital, contractor, or State or local emergency response team to coordinate emergency services, describe those arrangements on the lines below:

All LAUSD schools are served by the School District Police Department. In addition, they are supported by the District's Office of Environmental Health and Safety that has an Emergency Response team that is trained and licensed to oversee hazardous material clean-up.

E. Evacuation Plan

1. The following alarm signal(s) will be used to begin evacuation of the facility *(check all which apply)*:

☑ Verbal ☑ Telephone *(including cellular)* ☑ Alarm System ☑ Public Address System ☑ Intercom
☐ Pagers ☑ Portable Radio ☐ Other *(specify)*:

2. ☑ Evacuation map is prominently displayed throughout the facility. **Yes. In the Safe School Plan**

3. ☑ Individual(s) responsible for coordinating evacuation including spreading the alarm and confirming the business has been evacuated: **All Administrative Staff, Certificated and Classified Staff - See Safe School Plan, Volume 2**

F. Earthquake Vulnerability

Identify areas of the facility where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Hazardous Waste/ Hazardous Materials Storage Areas ☐ Production Floor ☐ Process Lines
☑ Bench/ Lab ☐ Waste Treatment ☐ Other:

Identify mechanical systems where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Utilities ☑ Sprinkler Systems ☑ Cabinets ☑ Shelves
☑ Racks ☐ Pressure Vessels ☐ Gas Cylinders ☐ Tanks
☐ Process Piping ☑ Shutoff Valves ☐ Other:

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

G. Emergency Procedures

Briefly describe your business standard operating procedures in the event of a release or threatened release of hazardous materials:

1. **PREVENTION** (prevent the hazard) - Describe the kinds of hazards associated with the hazardous materials present at your facility. What actions would your business take to prevent these hazards from occurring? You may include a discussion of safety and storage procedures.

All Los Angeles City schools are limited to a small number of approved chemicals that are allowed on campus. Chemistry classes are encouraged to use "Micro Chemistry" to reduce the quantity of chemicals being used and stored on campus. Schools are not allowed to store or use any kinds of herbicides or pesticides for weed or pest management.

Gasoline drums shall be stored inside a locked flammable liquid storage room (i.e. gasoline bunker or block house) and shall be posted with 'No Smoking' and 'Flammable Liquid' signs outside the room. Gasoline drums shall be grounded with wire at all times. Diesel drums shall also be kept inside the flammable liquid storage room. 'No Smoking' and ' Combustible Liquid' signs shall be posted for diesel drums. Welding process shall not be conducted nearby this room. It is strongly suggested to store minimal quantity and to use secondary containment system for these drums.

Compressed gas cylinders shall be chained at all times. A compressed gas sign shall be posted on the cylinder(s) or by the cylinder(s). Waste oil and waste anti-freeze drums shall be kept inside the secondary containment system and affixed with completed hazardous waste labels

2. **MITIGATION** (reduce the hazard) - Describe what is done to lessen the harm or the damage to person(s), property, or the environment, and prevent what has occurred from getting worse or spreading. What is your immediate response to a leak, spill, fire, explosion, or airborne release at your business?

All Los Angeles City School personnel receive annual training on chemical safety. In addition, specific classes of employees receive additional training on chemical use and safety. At least once a year the schools are inspected by a School Safety Officer and chemical supplies are inspected. Outdated and unauthorized chemicals are removed.

3. **ABATEMENT** (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you handle the complete process of stopping a release, cleaning up, and disposing of released materials at your facility?

All Los Angeles City Schools follow specific directions found in Safe School Plan, Volume 2 - Emergency Procedures. If a substance is released the students are evacuated to a safe zone, the release area is isolated and access is restricted. The School will call the Office of Environmental Health and Safety and their Emergency Reponse Team will work with local responders and district contractors to abate the condition.

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

IV. Emergency Equipment

22 CCR, Section 66265.52(e) [as referenced by Section 66262.34(a)(3)] requires that emergency equipment at the facility be listed. Completion of the following Emergency Equipment Inventory Table meets this requirement.

1. Equipment Category	2. Equipment Type	3. Location *	4. Description**
Personal Protective, Equipment, Safety Equipment, and First Aid Equipment	☐ Cartridge Respirators		
	☐ Chemical Monitoring Equipment *(describe)*		
	☑ Chemical Protective Aprons/Coats	ER bin	Rubber
	☐ Chemical Protective Boots		
	☑ Chemical Protective Gloves	ER bin; PM Offic	Latex
	☐ Chemical Protective Suits *(describe)*		
	☑ Face Shields	ER bin	Fullface
	☑ First Aid Kits/Stations *(describe)*	ER bin; PM Offic	Standard
	☑ Hard Hats	ER bin	Plastic
	☐ Plumbed Eye Wash Stations		
	☑ Portable Eye Wash Kits *(i.e. bottle type)*	ER bin	Eyesaline
	☐ Respirator Cartridges *(describe)*		
	☑ Safety Glasses/Splash Goggles	ER bin: PM Offic	Plastic
	☐ Safety Showers		
	☐ Self-Contained Breathing Apparatuses (SCBA)		
	☐ Other *(describe)*		
Fire Extinguishing Systems	☑ Automatic Fire Sptinkler Systems	Throughout site	Standard
	☑ Fire Alarm Boxes/Stations	Throughout site	Standard
	☑ Fire Extinguisher Systems *(describe)*	Throughout site	Standard
	☐ Other *(describe)*		
Spill Control Equipment and Decontamination Equipment	☑ Absorbents (describe)	Plant Mgr's Offic	Absorbent
	☐ Berms/Dikes (describe)		
	☐ Decontamination Equipment (describe)		
	☐ Emergency Tanks (describe)		
	☐ Exhaust Hoods		
	☐ Gas Cylinders Leak Repair Kits (describe)		
	☐ Neutralizers (describe)		
	☐ Overpack Drums		
	☐ Sumps (describe)		
	☐ Other (describe)		
Communications and Alarm Systems	☐ Chemical Alarms (describe)		
	☑ Intercoms/ PA Systems	Throughout site	Standard
	☑ Portable Radios	Admin, custodial	Standard
	☑ Telephones	Throughout site	Standard
	☐ Underground Tank Leak Detection Monitors		
	☐ Other (describe)		
Additional Equipment (Use Additional Pages if Needed.)			

**Use the Location Codes (LC) from the Site Map(s) prepared for your Contingency Plan.*

***Describe the equipment and its capabilities. If applicable, specify any testing/maintenance procedures/intervals. Attach additional pages, numbered appropriately, if needed.*

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR 2011 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Kennedy High School

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # F A 0 0 1 2 3 1 9

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **F - 1**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Gasoline

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Gasoline** 207

EHS* ☐ Yes ☑ No 208

CAS# **8006-61-9** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 Gallons** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
50 Gallons	**110 Gallons**	**N/A**	**N/A**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **365** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☑ d. STEEL DRUM ☐ h. SILO ☐ i. CYLINDER ☐ p. TANK WAGON
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**Gasoline** 27	☐ Yes ☑ No 228	**Mixture** 229
0 - 50 230	**Miscellaneous Hydrocarbons** 31	☐ Yes ☑ No 232	**Mixture** 233
0 - 25 234	**Xylene, mixed isomers** 35	☐ Yes ☑ No 236	**1330-20-7** 237
0 - 25 238	**Toluene** 39	☐ Yes ☑ No 240	**108-88-3** 241
0 - 5 242	**1, 2, 4 - Trimethyl Benzene** 43	☐ Yes ☑ No 244	**95-63-6** 245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR **2011** 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Kennedy High School

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # F A 0 0 1 2 3 1 9

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **F - 1**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
CITGO No. 2 Diesel Fuel, Low Sulfur, All Grades

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Diesel Fuel** 207

EHS* ☐ Yes ☑ No 208

CAS# **68334-30-5** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 Gallons** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
25 Gallons	**55 Gallons**	**N/A**	**N/A**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **365** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☑ d. STEEL DRUM ☐ h. SILO ☐ i. CYLINDER ☐ p. TANK WAGON
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 - 10 226	**Nonane, all isomers** 27	☐ Yes ☑ No 228	**Mixture** 229
0 - 2 230	**Trimethylbenzenes, all isomers** 31	☐ Yes ☑ No 232	**25551-13-7** 233
0 - 2 234	**Napthalene** 35	☐ Yes ☑ No 236	**91-20-3** 237
0 - 2 238	**Biphenyl (Diphenyl)** 39	☐ Yes ☑ No 240	**92-52-4** 241
0 - 1 242	**Cumene** 43	☐ Yes ☑ No 244	**98-82-8** 245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☑ ADD ☐ DELETE ☐ REVISE REPORTING YEAR **2011** 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Kennedy High School

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # F A 0 0 1 2 3 1 9

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Photo fixer solution

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Photo fixer solution** 207

EHS* ☐ Yes ☑ No 208

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **30 gallons** 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
15 gallons	**30 gallons**	**30 gallons**	**541**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **60** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☑ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ i. CYLINDER ☐ p. TANK WAGON
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
25 - 30 226	**Propylene glycol** 27	☐ Yes ☑ No 228	**57-55-6** 229
5 - 10 230	**Octylphenoxypolyethoxyethanol** 31	☐ Yes ☑ No 232	**9036-19-5** 233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
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UNIFIED PROGRAM (UP) FORM
HAZARDOUS WASTE GENERATOR

PAGE OF

BUSINESS NAME: Kennedy High School		
FACILITY ID # F A 0 0 1 2 3 1 9	NO. OF EMPLOYEES: 33b 5	EPA ID # CAD982024804

I. TYPE OF GENERATOR

PLEASE CHECK THE FOLLOWING BOXES THAT APPLY

	RCRA GENERATOR (FEDERAL WASTE)	NON -RCRA GENERATOR (CALIFORNIA WASTE ONLY)
LARGE QUANTITY GENERATOR (>1000 KG HAZARDOUS WASTE PER MONTH)	☐	☐
SMALL QUANTITY GENERATOR (>100 KG BUT <1000 KG HAZARDOUS WASTE PER MONTH)	☐	☐
CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (< 100 KG HAZARDOUS WASTE PER MONTH)	☑	☐

II. WASTE STREAM IDENTIFICATION

PLEASE COMPLETE THE TABLE BELOW. SEE INSTRUCTIONS FOR CODES AND EXPLANATION.

PROCESS	WASTE DESCRIPTION	WASTE ID	AMOUNT PER YEAR	DISPOSAL METHOD	STORAGE METHOD
Photography clas	photo fixer solution	541/D011	30 gallons	recycling	30-gallon drum

I certify that the information provided herein is true and accurate to the best of my knowledge.

OWNER/OPERATOR NAME Suzanne Blake	OWNER/OPERATOR TITLE Principal
OWNER/OPERATOR SIGNATURE	DATE 7/8/2011

OFFICIAL USE ONLY	DATE RECEIVED	REVIEWED BY	
CUPA	PA	DISTRICT	INSPECTOR

FA 12319 Cat. 96429 ~~FA 36499~~ Not

Los Angeles Unified School District

Office of Environmental Health and Safety

RAMON C. CORTINES
Superintendent of Schools

WENDY MACY
Chief Operating Officer

JOHN STERRITT
Director

July 23, 2010

Los Angeles County Fire Department
Health Hazardous Materials Division
Data Operations Unit
5825 Rickenbacker Road
Commerce, CA 90040

SUBJECT: SUBMITTAL OF CONSOLIDATED CONTINGENCY PLAN FOR KENNEDY HIGH SCHOOL

The Los Angeles Unified School District would like to submit a Consolidated Contingency Plan for the following site:

Facility Name: Kennedy High School
Street Address: 11254 Gothic Avenue
City, State Zip: Granada Hills, CA 91344

This plan is for the reporting year 2010. If you have any questions, please contact me at (213) 241-3199.

Sincerely,

Laura Maxwell

Laura Maxwell

c. Soe Aung, Environmental Compliance Manager
Christine Clark, Kennedy High School

Enclosure(s):

Received
AUG 03 2010
HHMD - Data Ops

UNIFIED PROGRAM (UP) FORM
BUSINESS OWNER/OPERATOR IDENTIFICATION

☐ NEW BUSINESS ☐ OUT OF BUSINESS ☑ REVISE/UPDATE (EFFECTIVE) PAGE OF

I. IDENTIFICATION

FACILITY ID# F A 0 0 1 2 3 1 9 1	BEGINNING DATE 100 1/1/2010	ENDING DATE 101 12/31/2010	
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3 Kennedy High School		BUSINESS PHONE 102 (818) 271-2900	
BUSINESS SITE ADDRESS 103 11254 Gothic Avenue			
CITY Granada Hills 104	CA	ZIP CODE 91344 105	
DUN & BRADSTREET N/A 106		SIC CODE (4 digit #) 8211 107	
COUNTY Los Angeles 108		UNINCORPORATED No 133a.	
BUSINESS OPERATOR NAME 109 Los Angeles Unified School District		BUSINESS OPERATOR PHONE 110 (213) 241-3199	

II. BUSINESS OWNER

OWNER NAME 111 Los Angeles Unified School District		OWNER PHONE 112 (213) 241-3199
OWNER MAILING ADDRESS 113 333 S. Beaudry Avenue, 27th Floor		
CITY 114 Los Angeles	STATE 115 CA	ZIP CODE 116 90017

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117 Soe Aung		CONTACT PHONE 118 (213) 241-3199
CONTACT MAILING ADDRESS 119 333 S. Beaudry Avenue, 27th Floor		
CITY Los Angeles 120	STATE CA 121	ZIP CODE 90017 122

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123 Christine Clark	NAME 128 Steve Martinez
TITLE 124 Principal	TITLE 129 Plant Manager
BUSINESS PHONE (818) 271-2900 125	BUSINESS PHONE (818) 271-2900 130
24-HOUR PHONE (213) 625-6631 126	24-HOUR PHONE (213) 625-6631 131
PAGER # 127	PAGER # 132

V. ADDITIONAL LOCALLY COLLECTED INFORMATION 133

NUMBER OF EMPLOYEES 5 133b	FEDERAL TAX IDENTIFICATION NUMBER 95-6001908 133c

MAILING/ BILLING INFORMATION

ADDRESS 133d	CITY 133e	STATE 133f	ZIP CODE 133g
333 S. Beaudry Avenue, 27th Floor	Los Angeles	CA	90017

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE X Christine Clark	DATE 134 7/19/2010	NAME OF DOCUMENT PREPARER 135 Laura Maxwell
NAME OF SIGNER (print) 136 Christine Clark	TITLE OF SIGNER 137 Principal	

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

INSPECTOR	DISTRICT	DATE OF INSPECTION	DIVISION	BATTALION	STATION

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Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

COVER PAGE

FACILITY IDENTIFICATION					
BUSINESS NAME **Kennedy High School**				3	FACILITY ID # 1 **FA0012319**
SITE ADDRESS **11254 Gothic Avenue**	103	CITY **Granada Hills**	104		ZIP CODE 105 **91344**

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

- Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 and 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page.

PROGRAMS	SECTION(S) TO BE COMPLETED
Hazardous Materials Business Plan (HMBP)	Cover Page, Section I, and Site Map(s)
Hazardous Waste Generator (HWG)	Cover Page, Section I, and Site Map(s)
Underground Storage Tank (UST)	Cover Page, Sections I and II, and Site Map(s)
HMBP, HWG, UST	Cover Page, Sections I and II, and Site Map(s)

A copy of the plan shall be submitted to your local CUPA and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

Main Office

PLAN CERTIFICATION	
I certify under penalty of law that I have personally examined and I am familiar with the information provided by this plan and to the best of my knowledge the information is accurate, complete, and true.	
Printed Name of Owner/ Operator **Christine Clark**	Title of Owner/Operator **Principal**
Signature of Owner/ Operator X Christine Clark	Date **7/19/2010**

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact your local CUPA or PA.

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Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

I. FACILITY IDENTIFICATION

BUSINESS NAME 3 **Kennedy High School**		FACILITY ID # 1 **FA0012319**
SITE ADDRESS 103 **11254 Gothic Avenue**	CITY 104 **Granada Hills**	ZIP CODE 105 **91344**

II. EMERGENCY CONTACTS

PRIMARY		SECONDARY	
NAME **Christine Clark**	123	NAME **Steve Martinez**	128
TITLE **Principal**	124	TITLE **Plant Manager**	129
BUSINESS PHONE **(818) 271-2900**	125	BUSINESS PHONE **(818) 271-2900**	130
24-HOUR PHONE **(213) 625-6631**	126	24-HOUR PHONE **(213) 625-6631**	131
PAGER #	127	PAGER #	132

III. EMERGENCY RESPONSE PLANS AND PROCEDURES

A. Notifications

Your business is required by State Law to provide an immediate verbal report of any release or threatened release of a hazardous material to local fire emergency response personnel, this Unified Program Agency (CUPA or PA), and the Office of Emergency Services. If you have a release or threatened release of hazardous materials, immediately call:

FIRE/PARAMEDICS/POLICE/SHERIFF
PHONE: 911

AFTER the local emergency response personnel are notified, you shall then notify this Unified Program Agency and the Office of Emergency Services.

Local Unified Program Agency: (323) 890-4317
State Office of Emergency Service: (800) 852-7550 or (916) 262-1621
National Response Center: (800) 424-8802

Information to be provided during Notification:

- ◁ Your Name and the Telephone Number from where you are calling.
- ◁ Exact address of the release or threatened release.
- ◁ Date, time, cause, and type of incident (e.g. fire, air release, spill etc.)
- ◁ Material and quantity of the release, to the extent known.
- ◁ Current condition of the facility.
- ◁ Extent of injuries, if any.
- ◁ Possible hazards to public health and/ or the environment outside of the facility.

B. Emergency Medical Facility

List the local emergency medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous material

HOSPITAL/CLINIC: **Providence Holy Cross Medical Center**	PHONE NO: **(818) 365-8051**
ADDRESS: **15031 Rinaldi St.**	
CITY: **Mission Hills**	ZIP CODE: **91346**

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

C. Private Emergency Response

DOES YOUR BUSINESS HAVE A PRIVATE ON-SITE EMERGENCY RESPONSE TEAM? ☐ Yes ☑ No

If yes, provide an attachment that describes what policies and procedures your business will follow to notify your on-site emergency response team in the event of a release or threatened release of hazardous materials.

CLEANUP/DISPOSAL CONTRACTOR

List the contractor that will provide cleanup services in the event of a release.

NAME OF CONTRACTOR:	PHONE NO:
Ecology Control Industries	**(310) 354-9999**
ADDRESS: **19500 Normandie Avenue**	
CITY: **Torrance, CA**	ZIP CODE: **90501**

D. Arrangements With Emergency Responders

If you have made special (i.e. contractual) arrangements with any police department, fire department, hospital, contractor, or State or local emergency response team to coordinate emergency services, describe those arrangements on the lines below:

All LAUSD schools are served by the School District Police Department. In addition, they are supported by the District's Office of Environmental Health and Safety that has an Emergency Response team that is trained and licensed to oversee hazardous material clean-up.

E. Evacuation Plan

1. The following alarm signal(s) will be used to begin evacuation of the facility *(check all which apply)*:

☑ Verbal ☑ Telephone *(including cellular)* ☑ Alarm System ☑ Public Address System ☑ Intercom
☐ Pagers ☑ Portable Radio ☐ Other *(specify)*:

2. ☑ Evacuation map is prominently displayed throughout the facility. **Yes. In the Safe School Plan**

3. ☑ Individual(s) responsible for coordinating evacuation including spreading the alarm and confirming the business has been evacuated: **All Administrative Staff, Certificated and Classified Staff - See Safe School Plan, Volume 2**

F. Earthquake Vulnerability

Identify areas of the facility where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Hazardous Waste/ Hazardous Materials Storage Areas ☐ Production Floor ☐ Process Lines
☑ Bench/ Lab ☐ Waste Treatment ☐ Other:

Identify mechanical systems where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Utilities ☑ Sprinkler Systems ☑ Cabinets ☑ Shelves
☑ Racks ☐ Pressure Vessels ☐ Gas Cylinders ☐ Tanks
☐ Process Piping ☑ Shutoff Valves ☐ Other:

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

G. Emergency Procedures

Briefly describe your business standard operating procedures in the event of a release or threatened release of hazardous materials:

1. **PREVENTION** (prevent the hazard) - Describe the kinds of hazards associated with the hazardous materials present at your facility. What actions would your business take to prevent these hazards from occurring? You may include a discussion of safety and storage procedures.

All Los Angeles City schools are limited to a small number of approved chemicals that are allowed on campus. Chemistry classes are encouraged to use "Micro Chemistry" to reduce the quantity of chemicals being used and stored on campus. Schools are not allowed to store or use any kinds of herbicides or pesticides for weed or pest management.

Gasoline drums shall be stored inside a locked flammable liquid storage room (i.e. gasoline bunker or block house) and shall be posted with 'No Smoking' and 'Flammable Liquid' signs outside the room. Gasoline drums shall be grounded with wire at all times. Diesel drums shall also be kept inside the flammable liquid storage room. 'No Smoking' and ' Combustible Liquid' signs shall be posted for diesel drums. Welding process shall not be conducted nearby this room. It is strongly suggested to store minimal quantity and to use secondary containment system for these drums.

Compressed gas cylinders shall be chained at all times. A compressed gas sign shall be posted on the cylinder(s) or by the cylinder(s). Waste oil and waste anti-freeze drums shall be kept inside the secondary containment system and affixed with completed hazardous waste labels

2. **MITIGATION** (reduce the hazard) - Describe what is done to lessen the harm or the damage to person(s), property, or the environment, and prevent what has occurred from getting worse or spreading. What is your immediate response to a leak, spill, fire, explosion, or airborne release at your business?

All Los Angeles City School personnel receive annual training on chemical safety. In addition, specific classes of employees receive additional training on chemical use and safety. At least once a year the schools are inspected by a School Safety Officer and chemical supplies are inspected. Outdated and unauthorized chemicals are removed.

3. **ABATEMENT** (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you handle the complete process of stopping a release, cleaning up, and disposing of released materials at your facility?

All Los Angeles City Schools follow specific directions found in Safe School Plan, Volume 2 - Emergency Procedures. If a substance is released the students are evacuated to a safe zone, the release area is isolated and access is restricted. The School will call the Office of Environmental Health and Safety and their Emergency Reponse Team will work with local responders and district contractors to abate the condition.

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

IV. Emergency Equipment

22 CCR, Section 66265.52(e) [as referenced by Section 66262.34(a)(3)] requires that emergency equipment at the facility be listed. Completion of the following Emergency Equipment Inventory Table meets this requirement.

1. Equipment Category	2. Equipment Type	3. Location *	4. Description**
Personal Protective, Equipment, Safety Equipment, and First Aid Equipment	☐ Cartridge Respirators		
	☐ Chemical Monitoring Equipment *(describe)*		
	☑ Chemical Protective Aprons/Coats	ER bin	Rubber
	☐ Chemical Protective Boots		
	☑ Chemical Protective Gloves	ER bin; PM Offic	Latex
	☐ Chemical Protective Suits *(describe)*		
	☑ Face Shields	ER bin	Fullface
	☑ First Aid Kits/Stations *(describe)*	ER bin; PM Offic	Standard
	☑ Hard Hats	ER bin	Plastic
	☐ Plumbed Eye Wash Stations		
	☑ Portable Eye Wash Kits *(i.e. bottle type)*	ER bin	Eyesaline
	☐ Respirator Cartridges *(describe)*		
	☑ Safety Glasses/Splash Goggles	ER bin: PM Offic	Plastic
	☐ Safety Showers		
	☐ Self-Contained Breathing Apparatuses (SCBA)		
	☐ Other *(describe)*		
Fire Extinguishing Systems	☑ Automatic Fire Sptinkler Systems	Throughout site	Standard
	☑ Fire Alarm Boxes/Stations	Throughout site	Standard
	☑ Fire Extinguisher Systems *(describe)*	Throughout site	Standard
	☐ Other *(describe)*		
Spill Control Equipment and Decontamination Equipment	☑ Absorbents (describe)	Plant Mgr's Offic	Absorbent
	☐ Berms/Dikes (describe)		
	☐ Decontamination Equipment (describe)		
	☐ Emergency Tanks (describe)		
	☐ Exhaust Hoods		
	☐ Gas Cylinders Leak Repair Kits (describe)		
	☐ Neutralizers (describe)		
	☐ Overpack Drums		
	☐ Sumps (describe)		
	☐ Other (describe)		
Communications and Alarm Systems	☐ Chemical Alarms (describe)		
	☑ Intercoms/ PA Systems	Throughout site	Standard
	☑ Portable Radios	Admin, custodial	Standard
	☑ Telephones	Throughout site	Standard
	☐ Underground Tank Leak Detection Monitors		
	☐ Other (describe)		
Additional Equipment (Use Additional Pages if Needed.)			

**Use the Location Codes (LC) from the Site Map(s) prepared for your Contingency Plan.*

***Describe the equipment and its capabilities. If applicable, specify any testing/maintenance procedures/intervals. Attach additional pages, numbered appropriately, if needed.*

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR 2010 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Kennedy High School

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # F A 0 0 1 2 3 1 9

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **F - 1**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Gasoline

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Gasoline** 207

EHS* ☐ Yes ☑ No 208

CAS# **8006-61-9** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 Gallons** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
50 Gallons	**110 Gallons**	**N/A**	**N/A**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **365** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☑ d. STEEL DRUM ☐ h. SILO ☐ i. CYLINDER ☐ p. TANK WAGON
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**Gasoline** 27	☐ Yes ☑ No 228	**Mixture** 229
0 - 50 230	**Miscellaneous Hydrocarbons** 31	☐ Yes ☑ No 232	**Mixture** 233
0 - 25 234	**Xylene, mixed isomers** 35	☐ Yes ☑ No 236	**1330-20-7** 237
0 - 25 238	**Toluene** 39	☐ Yes ☑ No 240	**108-88-3** 241
0 - 5 242	**1, 2, 4 - Trimethyl Benzene** 43	☐ Yes ☑ No 244	**95-63-6** 245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR **2010** 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Kennedy High School

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # F A 0 0 1 2 3 1 9

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **F - 1**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
CITGO No. 2 Diesel Fuel, Low Sulfur, All Grades

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Diesel Fuel** 207

EHS* ☐ Yes ☑ No 208

CAS# **68334-30-5** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 Gallons** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
25 Gallons	**55 Gallons**	**N/A**	**N/A**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **365** 222

STORAGE CONTAINER
- ☐ a. ABOVE GROUND TANK
- ☐ B. UNDERGROUND TANK
- ☐ c. TANK INSIDE BUILDING
- ☑ d. STEEL DRUM
- ☐ e. PLASTIC/NONMETALLIC DRUM
- ☐ f. CAN
- ☐ g. CARBOY
- ☐ h. SILO
- ☐ i. FIBER DRUM
- ☐ j. BAG
- ☐ k. BOX
- ☐ i. CYLINDER
- ☐ m. GLASS BOTTLE
- ☐ n. PLASTIC BOTTLE
- ☐ o. TOE BIN
- ☐ p. TANK WAGON
- ☐ q. RAIL CAR
- ☐ r. OTHER

223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 - 10 226	**Nonane, all isomers** 27	☐ Yes ☑ No 228	**Mixture** 229
0 - 2 230	**Trimethylbenzenes, all isomers** 31	☐ Yes ☑ No 232	**25551-13-7** 233
0 - 2 234	**Napthalene** 35	☐ Yes ☑ No 236	**91-20-3** 237
0 - 2 238	**Biphenyl (Diphenyl)** 39	☐ Yes ☑ No 240	**92-52-4** 241
0 - 1 242	**Cumene** 43	☐ Yes ☑ No 244	**98-82-8** 245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	F	A		0	0	1		2	3	1	9			1	EPA ID # (Hazardous Waste Only) CAD982024804	2

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Kennedy High School

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...			If Yes, please complete these pages of the UP FORM....
A. HAZARDOUS MATERIALS			
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☑ Yes ☐ No	4	→HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION →CONSOLIDATED CONTINGENCY PLAN (Section I and Site Map(s)) →TRAINING PLAN
B. UNDERGROUND STORAGE TANKS (USTs)			
1. Own or operate underground storage tanks?	☐ Yes ☑ No	5	→UST FACILITY →UST TANK (one page per tank)
2. Intend to upgrade existing or install new USTs?	☐ Yes ☑ No	6	→UST FACILITY →UST TANK (one per tank) →UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank)
3. Need to report closing a UST?	☐ Yes ☑ No	7	→UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)			
Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ Yes ☑ No	8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE			
1. Generate hazardous waste?	☐ Yes ☑ No	9	→EPA ID NUMBER – provide at the top of this page. →As a generator, answer YES to Item E2b and complete Waste Generator Form.
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ Yes ☑ No	10	→RECYCLABLE MATERIALS REPORT
3. Treat hazardous waste on site?	☐ Yes ☑ No	11	→ONSITE HAZARDOUS WASTE TREATMENT – FACILITY →ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ Yes ☑ No	12	→CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidate hazardous waste generated at a remote site?	☐ Yes ☑ No	13	→REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ Yes ☑ No	14	→HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
E. LOCAL REQUIREMENTS			15
1. REGULATED SUBSTANCES			
Have Regulated Substances (RS) stored on site at greater than the threshold quantities established by the California Accidental Release Program (Cal ARP) ?	☐ Yes ☑ No	15a	In addition to Hazardous Materials requirements, complete: →Regulated Substance Registration →Risk Management Plan (when required)
2. OTHER REQUIREMENTS			
a. Have hazardous materials stored on site at or above a threshold amount established by a CUPA's or PA's local ordinance?	☐ Yes ☑ No	15b	→Consult local CUPA or PA for added reporting requirements.
b. Required by a CUPA or PA to provide other information?	☐ Yes ☑ No	15c	→Waste Generator Form (LA County)

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

FA 12319

~~FA# 36799~~
LA city.

N

Los Angeles Unified School District

Office of Environmental Health and Safety

2008 NOV 5 PM 3 26

DAVID L. BREWER III
Superintendent of Schools

DAVID HOLMQUIST
Chief Operating Officer

YI HWA KIM
Interim Director

October 28, 2008

Los Angeles County Fire Department
Health Hazardous Materials Division
Data Operations Unit
5825 Rickenbacker Road
Commerce, CA 90040

SUBJECT: SUBMITTAL OF CONSOLIDATED CONTINGENCY PLAN FOR KENNEDY HIGH SCHOOL

The Los Angeles Unified School District would like to submit a Consolidated Contingency Plan for the following site:

Facility Name: Kennedy High School
Street Address: 11254 Gothic Avenue
City, State Zip: Granada Hills, CA 91344

This plan is for the reporting year 2008. If you have any questions, please contact me at (213) 241-3199.

Sincerely,

Laura Maxwell

Laura Maxwell

c. Soe Aung, Environmental Compliance Manager
Christine Clark, Kennedy High School

Enclosure(s):

UNIFIED PROGRAM (UP) FORM
BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #														2003 NOV 5 PM 3:26 EPA ID # (Hazardous Waste Only) CAD982024804	2

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Kennedy High School

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...		If Yes, please complete these pages of the UP FORM....
A. HAZARDOUS MATERIALS		
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☑ Yes ☐ No 4	→HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION →CONSOLIDATED CONTINGENCY PLAN (Section I and Site Map(s)) →TRAINING PLAN
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ Yes ☑ No 5	→UST FACILITY →UST TANK (one page per tank)
2. Intend to upgrade existing or install new USTs?	☐ Yes ☑ No 6	→UST FACILITY →UST TANK (one per tank) →UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank)
3. Need to report closing a UST?	☐ Yes ☑ No 7	→UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)		
Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ Yes ☑ No 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☐ Yes ☑ No 9	→EPA ID NUMBER – provide at the top of this page. →As a generator, answer YES to Item E2b and complete Waste Generator Form.
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ Yes ☑ No 10	→RECYCLABLE MATERIALS REPORT
3. Treat hazardous waste on site?	☐ Yes ☑ No 11	→ONSITE HAZARDOUS WASTE TREATMENT – FACILITY →ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ Yes ☑ No 12	→CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidate hazardous waste generated at a remote site?	☐ Yes ☑ No 13	→REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ Yes ☑ No 14	→HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
E. LOCAL REQUIREMENTS		15
1. REGULATED SUBSTANCES		
Have Regulated Substances (RS) stored on site at greater than the threshold quantities established by the California Accidental Release Program (Cal ARP) ?	☐ Yes ☑ No 15a	In addition to Hazardous Materials requirements, complete: →Regulated Substance Registration →Risk Management Plan (when required)
2. OTHER REQUIREMENTS		
a. Have hazardous materials stored on site at or above a threshold amount established by a CUPA's or PA's local ordinance?	☐ Yes ☑ No 15b	→Consult local CUPA or PA for added reporting requirements.
b. Required by a CUPA or PA to provide other information?	☐ Yes ☑ No 15c	→Waste Generator Form (LA County)

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

UNIFIED PROGRAM (UP) FORM
BUSINESS OWNER/OPERATOR IDENTIFICATION

☐ NEW BUSINESS ☐ OUT OF BUSINESS ☑ REVISE/UPDATE (EFFECTIVE 2008 NOV 5 PM 3 26 PAGE OF

I. IDENTIFICATION

FACILITY ID#	1	BEGINNING DATE 100 1/1/2008	ENDING DATE 101 12/31/2008
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3 Kennedy High School		BUSINESS PHONE 102 (818) 271-2900	
BUSINESS SITE ADDRESS 103 11254 Gothic Avenue			
CITY Granada Hills 104	CA	ZIP CODE 91344	105
DUN & BRADSTREET N/A 106		SIC CODE (4 digit #) 8211	107
COUNTY Los Angeles 108		UNINCORPORATED No	133a.
BUSINESS OPERATOR NAME 109 Los Angeles Unified School District		BUSINESS OPERATOR PHONE 110 (213) 241-3199	

II. BUSINESS OWNER

OWNER NAME 111 Los Angeles Unified School District		OWNER PHONE 112 (213) 241-3199
OWNER MAILING ADDRESS 113 333 S. Beaudry Avenue, 20th Floor		
CITY 114 Los Angeles	STATE 115 CA	ZIP CODE 116 90017

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117 Soe Aung		CONTACT PHONE 118 (213) 241-3199
CONTACT MAILING ADDRESS 119 333 S. Beaudry Avenue, 20th Floor		
CITY Los Angeles 120	STATE CA 121	ZIP CODE 90017 122

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123 Christine Clark	NAME 128 Gabriel Hernandez
TITLE 124 Principal	TITLE 129 Plant Manager
BUSINESS PHONE (818) 271-2900 125	BUSINESS PHONE (818) 271-2900 130
24-HOUR PHONE 126	24-HOUR PHONE 131
PAGER # 127	PAGER # 132

V. ADDITIONAL LOCALLY COLLECTED INFORMATION 133

NUMBER OF EMPLOYEES 5 133b	FEDERAL TAX IDENTIFICATION NUMBER 95-6001908 133c

MAILING/ BILLING INFORMATION

ADDRESS 133d	CITY 133e	STATE 133f	ZIP CODE 133g
333 S. Beaudry Avenue, 20th Floor	Los Angeles	CA	90017

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE X Christine Clark	DATE 134 10/28/2008	NAME OF DOCUMENT PREPARER 135 Laura Maxwell
NAME OF SIGNER (print) 136 Christine Clark	TITLE OF SIGNER 137 Principal	

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

INSPECTOR	DISTRICT	DATE OF INSPECTION	DIVISION	BATTALION	STATION

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

COVER PAGE

FACILITY IDENTIFICATION					
BUSINESS NAME **Kennedy High School**				3	FACILITY ID # 1
SITE ADDRESS **11254 Gothic Avenue**	103	CITY **Granada Hills**	104	ZIP CODE 105 **91344**	

2008 NOV 5 PM 3:25

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

- Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 and 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page.

PROGRAMS	SECTION(S) TO BE COMPLETED
Hazardous Materials Business Plan (HMBP)	Cover Page, Section I, and Site Map(s)
Hazardous Waste Generator (HWG)	Cover Page, Section I, and Site Map(s)
Underground Storage Tank (UST)	Cover Page, Sections I and II, and Site Map(s)
HMBP, HWG, UST	Cover Page, Sections I and II, and Site Map(s)

A copy of the plan shall be submitted to your local CUPA and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

Main Office

PLAN CERTIFICATION

I certify under penalty of law that I have personally examined and I am familiar with the information provided by this plan and to the best of my knowledge the information is accurate, complete, and true.

Printed Name of Owner/ Operator	Title of Owner/Operator
Christine Clark	**Principal**
Signature of Owner/Operator X Christine Clark	Date **10/28/2008**

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact your local CUPA or PA.

OFFICIAL USE ONLY			DATE RECEIVED		REVIEWED BY	
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

I. FACILITY IDENTIFICATION

BUSINESS NAME 3 **Kennedy High School**		FACILITY ID # 1
SITE ADDRESS 103 **11254 Gothic Avenue**	CITY 104 **Granada Hills**	ZIP CODE 105 **91344**

II. EMERGENCY CONTACTS

PRIMARY		SECONDARY	
NAME **Christine Clark**	123	NAME **Gabriel Hernandez**	128
TITLE **Principal**	124	TITLE **Plant Manager**	129
BUSINESS PHONE **(818) 271-2900**	125	BUSINESS PHONE **(818) 271-2900**	130
24-HOUR PHONE	126	24-HOUR PHONE	131
PAGER #	127	PAGER #	132

III. EMERGENCY RESPONSE PLANS AND PROCEDURES

A. Notifications

Your business is required by State Law to provide an immediate verbal report of any release or threatened release of a hazardous material to local fire emergency response personnel, this Unified Program Agency (CUPA or PA), and the Office of Emergency Services. If you have a release or threatened release of hazardous materials, immediately call:

FIRE/PARAMEDICS/POLICE/SHERIFF
PHONE: 911

AFTER the local emergency response personnel are notified, you shall then notify this Unified Program Agency and the Office of Emergency Services.

Local Unified Program Agency: (323) 890-4317
State Office of Emergency Service: (800) 852-7550 or (916) 262-1621
National Response Center: (800) 424-8802

2008 NOV 5 PM 3 26

Information to be provided during Notification:

- ◁ Your Name and the Telephone Number from where you are calling.
- ◁ Exact address of the release or threatened release.
- ◁ Date, time, cause, and type of incident (e.g. fire, air release, spill etc.)
- ◁ Material and quantity of the release, to the extent known.
- ◁ Current condition of the facility.
- ◁ Extent of injuries, if any.
- ◁ Possible hazards to public health and/ or the environment outside of the facility.

B. Emergency Medical Facility

List the local emergency medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous material

HOSPITAL/CLINIC: **Providence Holy Cross Medical Center**	PHONE NO: **(818) 365-8051**
ADDRESS: **15031 Rinaldi St.**	
CITY: **Mission Hills**	ZIP CODE: **91345**

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

C. Private Emergency Response

DOES YOUR BUSINESS HAVE A PRIVATE ON-SITE EMERGENCY RESPONSE TEAM? ☐ Yes ☑ No

If yes, provide an attachment that describes what policies and procedures your business will follow to notify your on-site emergency response team in the event of a release or threatened release of hazardous materials.

CLEANUP/DISPOSAL CONTRACTOR

List the contractor that will provide cleanup services in the event of a release.

NAME OF CONTRACTOR:	PHONE NO:
Ecology Control Industries	**(310) 354-9999**
ADDRESS: **19500 Normandie Avenue**	
CITY: **Torrance, CA**	ZIP CODE: **90501**

D. Arrangements With Emergency Responders

If you have made special (i.e. contractual) arrangements with any police department, fire department, hospital, contractor, or State or local emergency response team to coordinate emergency services, describe those arrangements on the lines below:

All LAUSD schools are served by the School District Police Department. In addition, they are supported by the District's Office of Environmental Health and Safety that has an Emergency Response team that is trained and licensed to oversee hazardous material clean-up.

E. Evacuation Plan

1. The following alarm signal(s) will be used to begin evacuation of the facility *(check all which apply)*:

☑ Verbal ☑ Telephone *(including cellular)* ☑ Alarm System ☑ Public Address System ☑ Intercom
☐ Pagers ☑ Portable Radio ☐ Other *(specify)*:

2. ☑ Evacuation map is prominently displayed throughout the facility. **Yes. In the Safe School Plan**

3. ☑ Individual(s) responsible for coordinating evacuation including spreading the alarm and confirming the business has been evacuated: **All Administrative Staff, Certificated and Classified Staff - See Safe School Plan, Volume 2**

F. Earthquake Vulnerability

Identify areas of the facility where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Hazardous Waste/ Hazardous Materials Storage Areas ☐ Production Floor ☐ Process Lines
☑ Bench/ Lab ☐ Waste Treatment ☐ Other:

Identify mechanical systems where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Utilities ☑ Sprinkler Systems ☑ Cabinets ☑ Shelves
☑ Racks ☐ Pressure Vessels ☐ Gas Cylinders ☐ Tanks
☐ Process Piping ☑ Shutoff Valves ☐ Other:

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

G. Emergency Procedures

Briefly describe your business standard operating procedures in the event of a release or threatened release of hazardous materials:

1. **PREVENTION** (prevent the hazard) - Describe the kinds of hazards associated with the hazardous materials present at your facility. What actions would your business take to prevent these hazards from occurring? You may include a discussion of safety and storage procedures.

All Los Angeles City schools are limited to a small number of approved chemicals that are allowed on campus. Chemistry classes are encouraged to use "Micro Chemistry" to reduce the quantity of chemicals being used and stored on campus. Schools are not allowed to store or use any kinds of herbicides or pesticides for weed or pest management.

Gasoline drums shall be stored inside a locked flammable liquid storage room (i.e. gasoline bunker or block house) and shall be posted with 'No Smoking' and 'Flammable Liquid' signs outside the room. Gasoline drums shall be grounded with wire at all times. Diesel drums shall also be kept inside the flammable liquid storage room. 'No Smoking' and ' Combustible Liquid' signs shall be posted for diesel drums. Welding process shall not be conducted nearby this room. It is strongly suggested to store minimal quantity and to use secondary containment system for these drums.

Compressed gas cylinders shall be chained at all times. A compressed gas sign shall be posted on the cylinder(s) or by the cylinder(s). Waste oil and waste anti-freeze drums shall be kept inside the secondary containment system and affixed with completed hazardous waste labels

2. **MITIGATION** (reduce the hazard) - Describe what is done to lessen the harm or the damage to person(s), property, or the environment, and prevent what has occurred from getting worse or spreading. What is your immediate response to a leak, spill, fire, explosion, or airborne release at your business?

All Los Angeles City School personnel receive annual training on chemical safety. In addition, specific classes of employees receive additional training on chemical use and safety. At least once a year the schools are inspected by a School Safety Officer and chemical supplies are inspected. Outdated and unauthorized chemicals are removed.

3. **ABATEMENT** (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you handle the complete process of stopping a release, cleaning up, and disposing of released materials at your facility?

All Los Angeles City Schools follow specific directions found in Safe School Plan, Volume 2 - Emergency Procedures. If a substance is released the students are evacuated to a safe zone, the release area is isolated and access is restricted. The School will call the Office of Environmental Health and Safety and their Emergency Reponse Team will work with local responders and district contractors to abate the condition.

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

IV. Emergency Equipment

22 CCR, Section 66265.52(e) [as referenced by Section 66262.34(a)(3)] requires that emergency equipment at the facility be listed. Completion of the following Emergency Equipment Inventory Table meets this requirement.

1. Equipment Category	2. Equipment Type	3. Location *	4. Description**
Personal Protective, Equipment, Safety Equipment, and First Aid Equipment	☐ Cartridge Respirators		
	☐ Chemical Monitoring Equipment *(describe)*		
	☑ Chemical Protective Aprons/Coats	ER bin	Rubber
	☐ Chemical Protective Boots		
	☑ Chemical Protective Gloves	ER bin; PM Office	Latex
	☐ Chemical Protective Suits *(describe)*		
	☑ Face Shields	ER bin	Fullface
	☑ First Aid Kits/Stations *(describe)*	ER bin; PM Office	Standard
	☑ Hard Hats	ER bin	Plastic
	☐ Plumbed Eye Wash Stations		
	☑ Portable Eye Wash Kits *(i.e. bottle type)*	ER bin	Eyesaline
	☐ Respirator Cartridges *(describe)*		
	☑ Safety Glasses/Splash Goggles	ER bin: PM Office	Plastic
	☐ Safety Showers		
	☐ Self-Contained Breathing Apparatuses (SCBA)		
	☐ Other *(describe)*		
Fire Extinguishing Systems	☑ Automatic Fire Sptinkler Systems	Throughout site	Standard
	☑ Fire Alarm Boxes/Stations	Throughout site	Standard
	☑ Fire Extinguisher Systems *(describe)*	Throughout site	Standard
	☐ Other *(describe)*		
Spill Control Equipment and Decontamination Equipment	☑ Absorbents (describe)	Plant Mgr's Offic	Absorbent
	☐ Berms/Dikes (describe)		
	☐ Decontamination Equipment (describe)		
	☐ Emergency Tanks (describe)		
	☐ Exhaust Hoods		
	☐ Gas Cylinders Leak Repair Kits (describe)		
	☐ Neutralizers (describe)		
	☐ Overpack Drums		
	☐ Sumps (describe)		
	☐ Other (describe)		
Communications and Alarm Systems	☐ Chemical Alarms (describe)		
	☑ Intercoms/ PA Systems	Throughout site	Standard
	☑ Portable Radios	Admin, custodial	Standard
	☑ Telephones	Throughout site	Standard
	☐ Underground Tank Leak Detection Monitors		
	☐ Other (describe)		
Additional Equipment (Use Additional Pages if Needed.)			

**Use the Location Codes (LC) from the Site Map(s) prepared for your Contingency Plan.*

***Describe the equipment and its capabilities. If applicable, specify any testing/maintenance procedures/intervals. Attach additional pages, numbered appropriately, if needed.*

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR **2008** 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Kennedy High School

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID #

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **F - 1**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205 **Gasoline**

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Gasoline** 207

EHS* ☐ Yes ☑ No 208

CAS# **8006-61-9** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 Gallons** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
50 Gallons	**110 Gallons**	**N/A**	**N/A**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: 222 **365**

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☑ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON 223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**Gasoline** 27	☐ Yes ☑ No 228	**Mixture** 229
0 - 50 230	**Miscellaneous Hydrocarbons** 31	☐ Yes ☑ No 232	**Mixture** 233
0 - 25 234	**Xylene, mixed isomers** 35	☐ Yes ☑ No 236	**1330-20-7** 237
0 - 25 238	**Toluene** 39	☐ Yes ☑ No 240	**108-88-3** 241
0 - 5 242	**1, 2, 4 - Trimethyl Benzene** 43	☐ Yes ☑ No 244	**95-63-6** 245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY			DATE RECEIVED		REVIEWED BY	
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR **2008** 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Kennedy High School

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID #

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **F - 1**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
CITGO No. 2 Diesel Fuel, Low Sulfur, All Grades

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Diesel Fuel** 207

EHS* ☐ Yes ☑ No 208

CAS# **68334-30-5** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 Gallons** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
25 Gallons	**55 Gallons**	**N/A**	**N/A**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **365** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☑ d. STEEL DRUM ☐ h. SILO ☐ i. CYLINDER ☐ p. TANK WAGON
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 - 10 226	**Nonane, all isomers** 27	☐ Yes ☑ No 228	**Mixture** 229
0 - 2 230	**Trimethylbenzenes, all isomers** 31	☐ Yes ☑ No 232	**25551-13-7** 233
0 - 2 234	**Napthalene** 35	☐ Yes ☑ No 236	**91-20-3** 237
0 - 2 238	**Biphenyl (Diphenyl)** 39	☐ Yes ☑ No 240	**92-52-4** 241
0 - 1 242	**Cumene** 43	☐ Yes ☑ No 244	**98-82-8** 245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

12319

UNIFIED PROGRAM (UP) FORM
BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	F	A		0	0	1		2	3	1	9				1	EPA ID # (Hazardous Waste Only) CAD982024804	2

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3
Kennedy High School

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...			If Yes, please complete these pages of the UP FORM....
A. HAZARDOUS MATERIALS			
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☑ Yes ☐ No	4	→HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION →CONSOLIDATED CONTINGENCY PLAN (Section I and Site Map(s)) →TRAINING PLAN
B. UNDERGROUND STORAGE TANKS (USTs)			
1. Own or operate underground storage tanks?	☐ Yes ☑ No	5	→UST FACILITY →UST TANK (one page per tank)
2. Intend to upgrade existing or install new USTs?	☐ Yes ☑ No	6	→UST FACILITY →UST TANK (one per tank) →UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank)
3. Need to report closing a UST?	☐ Yes ☑ No	7	→UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)			
Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ Yes ☑ No	8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE			
1. Generate hazardous waste?	☐ Yes ☑ No	9	→EPA ID NUMBER – provide at the top of this page. →As a generator, answer YES to Item E2b and complete Waste Generator Form.
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ Yes ☑ No	10	→RECYCLABLE MATERIALS REPORT
3. Treat hazardous waste on site?	☐ Yes ☑ No	11	→ONSITE HAZARDOUS WASTE TREATMENT – FACILITY →ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ Yes ☑ No	12	→CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidate hazardous waste generated at a remote site?	☐ Yes ☑ No	13	→REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ Yes ☑ No	14	→HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
E. LOCAL REQUIREMENTS			15
1. REGULATED SUBSTANCES			
Have Regulated Substances (RS) stored on site at greater than the threshold quantities established by the California Accidental Release Program (Cal ARP) ?	☐ Yes ☑ No	15a	In addition to Hazardous Materials requirements, complete: →Regulated Substance Registration →Risk Management Plan (when required)
2. OTHER REQUIREMENTS			
a. Have hazardous materials stored on site at or above a threshold amount established by a CUPA's or PA's local ordinance?	☐ Yes ☑ No	15b	→Consult local CUPA or PA for added reporting requirements.
b. Required by a CUPA or PA to provide other information?	☐ Yes ☑ No	15c	→Waste Generator Form (LA County)

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

UNIFIED PROGRAM (UP) FORM
BUSINESS OWNER/OPERATOR IDENTIFICATION

☐ NEW BUSINESS ☐ OUT OF BUSINESS ☑ REVISE/UPDATE (EFFECTIVE)

PAGE OF

I. IDENTIFICATION

FACILITY ID# F A 0 0 1 2 3 1 9 1	BEGINNING DATE 100: 1/1/2012	ENDING DATE 101: 12/31/2012	
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: Kennedy High School		BUSINESS PHONE 102: (818) 271-2900	
BUSINESS SITE ADDRESS 103: 11254 Gothic Avenue			
CITY 104: Granada Hills	CA	ZIP CODE 105: 91344	
DUN & BRADSTREET 106: N/A		SIC CODE (4 digit #) 107: 8211	
COUNTY 108: Los Angeles		UNINCORPORATED 133a.: No	
BUSINESS OPERATOR NAME 109: Los Angeles Unified School District		BUSINESS OPERATOR PHONE 110: (213) 241-3199	

II. BUSINESS OWNER

OWNER NAME 111: Los Angeles Unified School District		OWNER PHONE 112: (213) 241-3199
OWNER MAILING ADDRESS 113: 333 S. Beaudry Avenue, 28th Floor		
CITY 114: Los Angeles	STATE 115: CA	ZIP CODE 116: 90017

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117: Soe Aung		CONTACT PHONE 118: (213) 241-3199
CONTACT MAILING ADDRESS 119: 333 S. Beaudry Avenue, 28th Floor		
CITY 120: Los Angeles	STATE 121: CA	ZIP CODE 122: 90017

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123: Suzanne Blake	NAME 128: Steve Martinez
TITLE 124: Principal	TITLE 129: Plant Manager
BUSINESS PHONE 125: (818) 271-2900	BUSINESS PHONE 130: (818) 271-2900
24-HOUR PHONE 126: (213) 625-6631	24-HOUR PHONE 131: (213) 625-6631
PAGER # 127:	PAGER # 132:

V. ADDITIONAL LOCALLY COLLECTED INFORMATION 133

NUMBER OF EMPLOYEES 133b: 5	FEDERAL TAX IDENTIFICATION NUMBER 133c: 95-6001908

MAILING/ BILLING INFORMATION

ADDRESS 133d	CITY 133e	STATE 133f	ZIP CODE 133g
333 S. Beaudry Avenue, 28th Floor	Los Angeles	CA	90017

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE X	DATE 134: 6/14/2012	NAME OF DOCUMENT PREPARER 135: Laura Maxwell
NAME OF SIGNER (print) 136: Suzanne Blake	TITLE OF SIGNER 137: Principal	

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

INSPECTOR	DISTRICT	DATE OF INSPECTION	DIVISION	BATTALION	STATION

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

COVER PAGE

FACILITY IDENTIFICATION			
BUSINESS NAME **Kennedy High School**		3	FACILITY ID # 1 **FA0012319**
SITE ADDRESS **11254 Gothic Avenue**	103	CITY **Granada Hills** 104	ZIP CODE 105 **91344**

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

- Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 and 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page.

PROGRAMS	SECTION(S) TO BE COMPLETED
Hazardous Materials Business Plan (HMBP)	Cover Page, Section I, and Site Map(s)
Hazardous Waste Generator (HWG)	Cover Page, Section I, and Site Map(s)
Underground Storage Tank (UST)	Cover Page, Sections I and II, and Site Map(s)
HMBP, HWG, UST	Cover Page, Sections I and II, and Site Map(s)

A copy of the plan shall be submitted to your local CUPA and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

Main Office

PLAN CERTIFICATION	
I certify under penalty of law that I have personally examined and I am familiar with the information provided by this plan and to the best of my knowledge the information is accurate, complete, and true.	
Printed Name of Owner/ Operator **Suzanne Blake**	Title of Owner/Operator **Principal**
Signature of Owner/ Operator X	Date **6/14/2012**

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact your local CUPA or PA.

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

I. FACILITY IDENTIFICATION

BUSINESS NAME Kennedy High School				3	FACILITY ID # 1 FA0012319
SITE ADDRESS 11254 Gothic Avenue	103	CITY Granada Hills	104		ZIP CODE 105 91344

II. EMERGENCY CONTACTS

PRIMARY		SECONDARY	
NAME Suzanne Blake	123	NAME Steve Martinez	128
TITLE Principal	124	TITLE Plant Manager	129
BUSINESS PHONE (818) 271-2900	125	BUSINESS PHONE (818) 271-2900	130
24-HOUR PHONE (213) 625-6631	126	24-HOUR PHONE (213) 625-6631	131
PAGER #	127	PAGER #	132

III. EMERGENCY RESPONSE PLANS AND PROCEDURES

A. Notifications

Your business is required by State Law to provide an immediate verbal report of any release or threatened release of a hazardous material to local fire emergency response personnel, this Unified Program Agency (CUPA or PA), and the Office of Emergency Services. If you have a release or threatened release of hazardous materials, immediately call:

FIRE/PARAMEDICS/POLICE/SHERIFF
PHONE: 911

AFTER the local emergency response personnel are notified, you shall then notify this Unified Program Agency and the Office of Emergency Services.

Local Unified Program Agency: (323) 890-4317
State Office of Emergency Service: (800) 852-7550 or (916) 262-1621
National Response Center: (800) 424-8802

Information to be provided during Notification:

- Your Name and the Telephone Number from where you are calling.
- Exact address of the release or threatened release.
- Date, time, cause, and type of incident (e.g. fire, air release, spill etc.)
- Material and quantity of the release, to the extent known.
- Current condition of the facility.
- Extent of injuries, if any.
- Possible hazards to public health and/ or the environment outside of the facility.

B. Emergency Medical Facility

List the local emergency medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous material

HOSPITAL/CLINIC: Providence Holy Cross Medical Center	PHONE NO: (818) 365-8051
ADDRESS: 15031 Rinaldi St.	
CITY: Mission Hills	ZIP CODE: 91346

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DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

C. Private Emergency Response

DOES YOUR BUSINESS HAVE A PRIVATE ON-SITE EMERGENCY RESPONSE TEAM? ☐ Yes ☑ No

If yes, provide an attachment that describes what policies and procedures your business will follow to notify your on-site emergency response team in the event of a release or threatened release of hazardous materials.

CLEANUP/DISPOSAL CONTRACTOR

List the contractor that will provide cleanup services in the event of a release.

NAME OF CONTRACTOR:	PHONE NO:
Ecology Control Industries	**(310) 354-9999**
ADDRESS: **19500 Normandie Avenue**	
CITY: **Torrance, CA**	ZIP CODE: **90501**

D. Arrangements With Emergency Responders

If you have made special (i.e. contractual) arrangements with any police department, fire department, hospital, contractor, or State or local emergency response team to coordinate emergency services, describe those arrangements on the lines below:

All LAUSD schools are served by the School District Police Department. In addition, they are supported by the District's Office of Environmental Health and Safety that has an Emergency Response team that is trained and licensed to oversee hazardous material clean-up.

E. Evacuation Plan

1. The following alarm signal(s) will be used to begin evacuation of the facility *(check all which apply)*:

☑ Verbal ☑ Telephone *(including cellular)* ☑ Alarm System ☑ Public Address System ☑ Intercom
☐ Pagers ☑ Portable Radio ☐ Other *(specify)*:

2. ☑ Evacuation map is prominently displayed throughout the facility. **Yes. In the Safe School Plan**

3. ☑ Individual(s) responsible for coordinating evacuation including spreading the alarm and confirming the business has been evacuated: **All Administrative Staff, Certificated and Classified Staff - See Safe School Plan, Volume 2**

F. Earthquake Vulnerability

Identify areas of the facility where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Hazardous Waste/ Hazardous Materials Storage Areas ☐ Production Floor ☐ Process Lines
☑ Bench/ Lab ☐ Waste Treatment ☐ Other:

Identify mechanical systems where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Utilities ☑ Sprinkler Systems ☑ Cabinets ☑ Shelves
☑ Racks ☐ Pressure Vessels ☐ Gas Cylinders ☐ Tanks
☐ Process Piping ☑ Shutoff Valves ☐ Other:

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

G. Emergency Procedures

Briefly describe your business standard operating procedures in the event of a release or threatened release of hazardous materials:

1. **PREVENTION** (prevent the hazard) - Describe the kinds of hazards associated with the hazardous materials present at your facility. What actions would your business take to prevent these hazards from occurring? You may include a discussion of safety and storage procedures.

All Los Angeles City schools are limited to a small number of approved chemicals that are allowed on campus. Chemistry classes are encouraged to use "Micro Chemistry" to reduce the quantity of chemicals being used and stored on campus. Schools are not allowed to store or use any kinds of herbicides or pesticides for weed or pest management.

Gasoline drums shall be stored inside a locked flammable liquid storage room (i.e. gasoline bunker or block house) and shall be posted with 'No Smoking' and 'Flammable Liquid' signs outside the room. Gasoline drums shall be grounded with wire at all times. Diesel drums shall also be kept inside the flammable liquid storage room. 'No Smoking' and ' Combustible Liquid' signs shall be posted for diesel drums. Welding process shall not be conducted nearby this room. It is strongly suggested to store minimal quantity and to use secondary containment system for these drums.

Compressed gas cylinders shall be chained at all times. A compressed gas sign shall be posted on the cylinder(s) or by the cylinder(s). Waste oil and waste anti-freeze drums shall be kept inside the secondary containment system and affixed with completed hazardous waste labels

2. **MITIGATION** (reduce the hazard) - Describe what is done to lessen the harm or the damage to person(s), property, or the environment, and prevent what has occurred from getting worse or spreading. What is your immediate response to a leak, spill, fire, explosion, or airborne release at your business?

All Los Angeles City School personnel receive annual training on chemical safety. In addition, specific classes of employees receive additional training on chemical use and safety. At least once a year the schools are inspected by a School Safety Officer and chemical supplies are inspected. Outdated and unauthorized chemicals are removed.

3. **ABATEMENT** (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you handle the complete process of stopping a release, cleaning up, and disposing of released materials at your facility?

All Los Angeles City Schools follow specific directions found in Safe School Plan, Volume 2 - Emergency Procedures. If a substance is released the students are evacuated to a safe zone, the release area is isolated and access is restricted. Small Leaks/Spills: Plant Manager and/or Chemical Safety Coordinator (CSC) at school will clean up small spills of science chemicals, automotive fluids, or janitorial chemicals by using absorbent. The Office of Environmental Health and Safety must be notified for proper disposal at off-site licensed facilities. Large Leaks/Spills: The school will call the Office of Environmental Health and Safety and their Emergency Response Team will work with local responders and District contractors to abate the condition.

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

IV. Emergency Equipment

22 CCR, Section 66265.52(e) [as referenced by Section 66262.34(a)(3)] requires that emergency equipment at the facility be listed. Completion of the following Emergency Equipment Inventory Table meets this requirement.

1. Equipment Category	2. Equipment Type	3. Location *	4. Description**
Personal Protective, Equipment, Safety Equipment, and First Aid Equipment	☐ Cartridge Respirators		
	☐ Chemical Monitoring Equipment *(describe)*		
	☑ Chemical Protective Aprons/Coats	ER bin	Rubber
	☐ Chemical Protective Boots		
	☑ Chemical Protective Gloves	ER bin; PM Offic	Latex
	☐ Chemical Protective Suits *(describe)*		
	☑ Face Shields	ER bin	Fullface
	☑ First Aid Kits/Stations *(describe)*	ER bin; PM Offic	Standard
	☑ Hard Hats	ER bin	Plastic
	☐ Plumbed Eye Wash Stations		
	☑ Portable Eye Wash Kits *(i.e. bottle type)*	ER bin	Eyesaline
	☐ Respirator Cartridges *(describe)*		
	☑ Safety Glasses/Splash Goggles	ER bin: PM Offic	Plastic
	☐ Safety Showers		
	☐ Self-Contained Breathing Apparatuses (SCBA)		
	☐ Other *(describe)*		
Fire Extinguishing Systems	☑ Automatic Fire Sptinkler Systems	Throughout site	Standard
	☑ Fire Alarm Boxes/Stations	Throughout site	Standard
	☑ Fire Extinguisher Systems *(describe)*	Throughout site	Standard
	☐ Other *(describe)*		
Spill Control Equipment and Decontamination Equipment	☑ Absorbents (describe)	Plant Mgr's Offic	Absorbent
	☐ Berms/Dikes (describe)		
	☐ Decontamination Equipment (describe)		
	☐ Emergency Tanks (describe)		
	☐ Exhaust Hoods		
	☐ Gas Cylinders Leak Repair Kits (describe)		
	☐ Neutralizers (describe)		
	☐ Overpack Drums		
	☐ Sumps (describe)		
	☐ Other (describe)		
Communications and Alarm Systems	☐ Chemical Alarms (describe)		
	☑ Intercoms/ PA Systems	Throughout site	Standard
	☑ Portable Radios	Admin, custodial	Standard
	☑ Telephones	Throughout site	Standard
	☐ Underground Tank Leak Detection Monitors		
	☐ Other (describe)		
Additional Equipment (Use Additional Pages if Needed.)			

**Use the Location Codes (LC) from the Site Map(s) prepared for your Contingency Plan.*

***Describe the equipment and its capabilities. If applicable, specify any testing/maintenance procedures/intervals. Attach additional pages, numbered appropriately, if needed.*

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR **2012** 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Kennedy High School

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # F A 0 0 1 2 3 1 9

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Gasoline

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Gasoline** 207

EHS* ☐ Yes ☑ No 208

CAS# **8006-61-9** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 Gallons** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
50 Gallons	**110 Gallons**	**N/A**	**N/A**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **365** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☑ d. STEEL DRUM ☐ h. SILO ☐ i. CYLINDER ☐ p. TANK WAGON
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**Gasoline** 27	☐ Yes ☑ No 228	**Mixture** 229
0 - 50 230	**Miscellaneous Hydrocarbons** 31	☐ Yes ☑ No 232	**Mixture** 233
0 - 25 234	**Xylene, mixed isomers** 35	☐ Yes ☑ No 236	**1330-20-7** 237
0 - 25 238	**Toluene** 39	☐ Yes ☑ No 240	**108-88-3** 241
0 - 5 242	**1, 2, 4 - Trimethyl Benzene** 43	☐ Yes ☑ No 244	**95-63-6** 245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
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UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR 2012 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Kennedy High School

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # F A 0 0 1 2 3 1 9

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
CITGO No. 2 Diesel Fuel, Low Sulfur, All Grades

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Diesel Fuel** 207

EHS* ☐ Yes ☑ No 208

CAS# **68334-30-5** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 Gallons** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
25 Gallons	**55 Gallons**	**N/A**	**N/A**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **365** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK
☐ B. UNDERGROUND TANK
☐ c. TANK INSIDE BUILDING
☑ d. STEEL DRUM
☐ e. PLASTIC/NONMETALLIC DRUM
☐ f. CAN
☐ g. CARBOY
☐ h. SILO
☐ i. FIBER DRUM
☐ j. BAG
☐ k. BOX
☐ i. CYLINDER
☐ m. GLASS BOTTLE
☐ n. PLASTIC BOTTLE
☐ o. TOE BIN
☐ p. TANK WAGON
☐ q. RAIL CAR
☐ r. OTHER
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 - 10 226	**Nonane, all isomers** 27	☐ Yes ☑ No 228	**Mixture** 229
0 - 2 230	**Trimethylbenzenes, all isomers** 31	☐ Yes ☑ No 232	**25551-13-7** 233
0 - 2 234	**Napthalene** 35	☐ Yes ☑ No 236	**91-20-3** 237
0 - 2 238	**Biphenyl (Diphenyl)** 39	☐ Yes ☑ No 240	**92-52-4** 241
0 - 1 242	**Cumene** 43	☐ Yes ☑ No 244	**98-82-8** 245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
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EMPLOYEE TRAINING PLAN
LOS ANGELES UNIFIED SCHOOL DISTRICT

1.0 PURPOSE

To establish an employee training program on environmental education, emergency procedures and continuing training which enables employees to understand and fulfill their responsibilities in emergencies.

2.0 SCOPE

Applies to Los Angeles Unified School District schools and non-school facilities and covers the environmental education, emergency procedures and training of all employees.

3.0 TRAINING PROGRAMS

The goal of the District's employee training program is to ensure that all individuals at risk are adequately informed of the physical and health hazards associated with chemicals, fires, explosions, hazardous materials and hazardous wastes.

All school employees and non-school facility employees who work at laboratory areas, auto shops, plant manager's chemical storage areas, M&Os facilities, garages, etc. shall participate in an ongoing employee training program.

(a) Hazard Communication

- Purpose: Compliance with Title 8, section 5194, California Code of Regulations. Familiarize employees with chemical labeling, Material Safety Data Sheets, hazardous materials present in the facility, hazards of non-routine tasks, chemicals in pipes, and inform outside contractors of these hazards.
- Frequent of Training: Initial hire, each transfer and annual refresher.
- Personnel Trained: All employees.

(b) Accident Prevention

- Purpose: Cal OSHA compliance. Identify, control, correct, and prevent potential hazardous situations.
- Frequency: Initial hire with annual refresher.

- Personnel Trained: All employees.

(c) Emergency Coordinators

- Purpose: Detailed training of the contingency plan requirements, outside resources available, evacuation procedures and first plan contacts emergency response procedures and emergency notification procedures so that they may successfully direct these operations.
- Frequency: Annual.
- Personnel Trained: Designated emergency coordinators and alternates.

(d) Evacuation Procedures

- Purpose: Expedite plant evacuations.
- Frequency: Annual.
- Personnel Trained: Evacuation team member as identified in the contingency plan.

(e) Hazardous Materials/Waste Handling

- Purpose: Compliance with 40 CFR Section 265.16 and provide safe procedures for handling, use, and disposing of hazardous materials.
- Frequency: Annual.
- Personnel Trained: All support personnel.

(f) Emergency Procedures for All Releases

- Purpose: Provide safe procedures for responding to release of hazardous materials, excess air emissions, wastewater discharge excursions, fires, and explosions.
- Frequency: Initial hire, annual.
- Personnel Trained: All support personnel.

(g) Spill Prevention Control & Countermeasure Training

- Purpose: To inform responsible personnel of the plan components and its goals.
- Frequency: Initial hire, annual.
- Personnel Trained: Maintenance.

(h) Storm Water Pollution Prevention Training

- Purpose: To inform responsible personnel of the plan components and its goals.
- Frequency: Initial hire, annual.

- Personnel Trained: Owner Authorized Representatives (OARs) and Maintenance.

4.0 TRAINING RESPONSIBILITIES

The Employee Training Plan is the responsibility of the Office of Environmental Health and Safety (OEHS) – Los Angeles Unified School District.

The OEHS staff are responsible for:

- Providing training;
- Maintaining District training records;
- Coordinating class time and trainer schedules;
- Organizing and setting up "Train the Trainer" classes for designated personnel;
- Developing an annual Training Program that includes the title, curriculum, trainees, frequency, date, and facilities for all employees training.

5.0 TRAINING – EMERGENCY PROCEDURES

- All new personnel receive appropriate training within one month of the date that they are hired;
- Amended as necessary prior to change in process or work assignment;
- Train all employees on emergency procedures within the first three months of the school year and maintain documentation of training date, agenda, training materials and sign-in sheet;
- Annual refresher training to all employees.

6.0 TRAINING CONTENT – EMERGENCY PROCEDURES

Training content shall include the following:

- Familiarity with all plans and procedures specified in the Contingency Plan;
- Hazard communication related to health and safety;
- Fire hazards of materials/processes:
- Conditions likely to worsen emergencies;
- Applicable laws and regulations;
- Personal protective equipment;
- Methods for safe handling of hazardous substances;

- Safety procedures in the event of a release or threatened release of a hazardous material;
- Use of emergency response equipment (e.g. fire extinguishers, respirators, etc.) and supplies under the control of the business;
- Decontamination procedures;
- Control and containment procedures;
- Coordination of emergency response;
- Procedures for coordination with local Emergency Response Organizations.
- Communication and alarm systems;
- Notification procedures;
- Evacuation/re-entry procedures and assembly point locations.
- Material Safety Data Sheet (MSDS) training including specific hazard(s) of each chemical location to which employees may be exposed, including routes of exposure (i.e., inhalation, ingestion, absorption);
- UST monitoring system equipment and procedures (if applicable).

7.0 METHODS OF EDUCATIONAL TRAINING

Educational training can be any of the following or a combination:

- Formal classroom lectures and work sessions;
- PowerPoint presentations;
- Video presentations;
- Seminars (on-site/off-site);
- On-the-job training;
- University, etc. special topic classes.

8.0 TRAINING EVALUATION

- A part of each class shall be devoted to testing the class participants to verify the effectiveness of training;
- Some training may be on-the-job and training evaluation may be work observations.

9.0 RECORDS AND RECORDS RETENTION

- Each training session (class or on-the-job) shall have sign-in sheets to record the participant(s);

- Record(s) retention is the responsibility of the Environmental Compliance Manager;
- Records shall be kept on-site for three years.

Los Angeles Fire Department - Official Inspection Report
HAZARDOUS MATERIALS BUSINESS PLAN (HMBP)
200 N. Main Street
Los Angeles, CA 90012
(213) 978-3680
www.lafd.org

INSPECTOR NAME:	DISTRICT:	FIRE STATION:	APN:	NOTICE#:	INSPECTION DATE:
MAN SIVABORVORN	428	018	2681010911	DAQ324VXO	04/26/2016

RICHARD CHAVEZ
LAUSD - KENNEDY HIGHSCHOOL
11254 N GOTHIC AVE
GRANADA HILLS, CA 91344
(213) 291-6787

CERS ID: 10244881
FACILITY ID: FA0012319

NVO = No Violation Observed OUT = Out of Compliance NA = Not Applicable UD = Undetermined COS = Corrected On Site RPT = VDG =

Permit

1 Regulated facility obtained an annually renewable Unified Program Facility Permit — MINOR, COMPLY BY: 5/26/2016

☐ NVO ■ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

Violation Description:

No person shall operate or maintain a new or existing Unified Program Facility without having obtained an annually renewable Unified Program Facility Permit with the appropriate authorization for each applicable unified program element pursuant to this chapter, or other authorized permit. LAMC 57.120.3LAMC 57.120.3

2 Unified Program Facility Permit posted in a conspicuous place on the premises — MINOR, COMPLY BY: 5/26/2016

☐ NVO ■ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

Violation Description:

Each permit issued pursuant to the provisions of this section shall be posted in a conspicuous place on the premises for which the same is issued. LAMC 57.120.5.3LAMC 57.120.5.3

HMBP

HMBP Established & Submitted

3 Established and adequately implemented a business plan

■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

4 Adequate completion and electronic submission of a business plan

■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

Facility Information

6 Adequate completion and electronic submission of Owner/Operator and Business Activities Forms

■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

Chemical Inventory

7 Adequate completion and electronic submission of hazardous materials inventory information

■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

Site Map

8 Adequate completion and electronic submission of annotated Site Map with all required content — MINOR, COMPLY BY: 5/26/2016

☐ NVO ■ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

Violation Description:

Failure to complete and electronically submit an annotated site map with all required content (north orientation, loading areas, internal roads, adjacent streets, storm and sewer drains, access and exit points,
emergency shutoffs, evacuation staging areas, hazardous material handling
and storage areas, and emergency response equipment). Updates to existing
maps to meet these requirements shall be completed by January 1, 2015. HSC 25505(a)(2), 25508(a)(1)

Emergency Response Plan

9 Adequate completion and electronic submission of Emergency Response Plan and procedures

■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

Los Angeles Fire Department - Official Inspection Report
HAZARDOUS MATERIALS BUSINESS PLAN (HMBP)
200 N. Main Street
Los Angeles, CA 90012
(213) 978-3680
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BUSINESS:	FACILITY ID:	NOTICE#:	INSPECTION DATE:
LAUSD - KENNEDY	FA0012319	DAQ324VXO	04/26/2016

NVO = No Violation Observed OUT = Out of Compliance NA = Not Applicable UD = Undetermined COS = Corrected On Site RPT = VDG =

HMBP

10 Actual or threatened release reported to the CUPA and the California OES Warning Center
■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

Training

11 Training program submitted and adequate for the size of the business and materials handled
■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

12 Initial and annual employee training completed, documented and records made available for 3 years
■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

Annual Certification - Updates

13 Annually reviewed and electronically certified that HMBP is complete, accurate and up-to-date
■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

14 HMBP updated within 30 days: chemical inventory, change of address, ownership, or business name
■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

15 Business plan electronically updated within 30 days of substantial changes in operations
■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

Property Owner Notification

16 Notified property owner in writing that bsuiness is subject to HMBP program and has complied
■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

17 Facility on leased site notified property owner of HMBP and if requested provided copy within 5 days
■ NVO ☐ OUT ☐ NA ☐ UD ☐ COS ☐ RPT

As Applicable

Agricultural Handlers

18 Agricultural handler exemption requirements are met when not submitting an emergency response plan
☐ NVO ☐ OUT ■ NA ☐ UD ☐ COS ☐ RPT

19 Agricultural handler exemption requirements are met when not submitting a training program
☐ NVO ☐ OUT ■ NA ☐ UD ☐ COS ☐ RPT

Remote Unstaffed Facility

20 Remote unstaffed facility exemption requirements are met when not submitting a business plan
☐ NVO ☐ OUT ■ NA ☐ UD ☐ COS ☐ RPT

Overall Inspection Comments

On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by Richard Chavez - Principal.

Contact Information: richard.chavez@lausd.net

Observed the facility and inspected hazardous materials storage.

Annual employee safety training records were not maintained. Facility has also not electronically disclosed the onsite hazardous materials inventory or submitted a business emergency plan in California Environmental Reporting System (CERS). Please go to https://cersbusiness2.calepa.ca.gov to complete a chemical inventory disclosure and business emergency plan.

The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change.

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BUSINESS:	FACILITY ID:	NOTICE#:	INSPECTION DATE:
LAUSD - KENNEDY	FA0012319	DAQ324VXO	04/26/2016

This report shall serve as a “NOTICE TO COMPLY” for Minor Violations, and a “NOTICE OF VIOLATION” for Major violations. Formal enforcement and/or penalty assessment may be initiated for any violations noted, and for those not corrected in a timely manner. You are, hereby, ordered by the Fire Chief to correct the above noted violations **WITHIN 30 DAYS, OR FORTHWITH IF INDICATED IN THE CORRECTION SUMMARIES PROVIDED.**

Signatures

By signing below I acknowledge that this inspection report and, if applicable, any violations contained herein have been reviewed and explained to me by the inspector.

Richard Chavez

Principal

Man Sivaborvorn

Fire Inspector I

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.:	FA0012319	Date:	
Business Name:	LAUSD - KENNEDY HIGHSCHOOL	Last Inspection Date:	
Business Mailing Address:	333 S BEAUDRY AVE 28TH FL LOS ANGELES, CA 90017	Permit Date:	07/01/2013
		RFI Request No:	
Storage Address:	11254 N GOTHIC AVE	RFI Requestor Name:	

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
CITGO NO 2 DIESEL FUEL, LOW SULF					
DIESEL	b	55			b
-		0	0		
-					
GASOLINE					
GASOLINE	b	110			b
-		0	0		
-					
PHOTO FIXER SOLUTION					
PHOTO FIXER SOLUTION	c	30			b
-		0	0		
-					

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LOS ANGELES, CA 90017

Storage Address: 11254 N GOTHIC AVE

Date:

Last Inspection Date:

Permit Date: 07/01/2013

RFI Request No:

RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
ALCOHOL ISOPROPYL(In-active) Inactivated on: 12/31/1991	a	32			
-		0	0		
CLEANING SOLVENT(In-active) Inactivated on: 12/31/1991	a	32			
-		0	0		
DUPLICATOR TONER(In-active) Inactivated on: 12/31/1991	a	4			

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Storage Address:	11254 N GOTHIC AVE	RFI Requestor Name:	

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
FILM REMOVER(In-active) Inactivated on: 12/31/1991	a	128			
-		0	0		
INK ERADICATER(In-active) Inactivated on: 12/31/1991	a	18			
-		0	0		
LIQUID PAPER(In-active) Inactivated on: 12/31/1991	a	420			

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Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
MEMEOGRAPH STENCIL CEMENT(In-active) Inactivated on: 12/31/1991	a	6			
-		0	0		
PHOTO RECEPTOR PUMICE(In-active) Inactivated on: 12/31/1991	a	12			
-		0	0		
REPEAT-O-TYPE STENCIL CORRECTION FLUID(In-active) Inactivated on: 12/31/1991	a	20			

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Storage Address: 11254 N GOTHIC AVE

Date:

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Permit Date: 07/01/2013

RFI Request No:

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Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
RETYPE CORRECTION FLUID(In-active) Inactivated on: 12/31/1991	a				
-		0	0		
RUBBER CEMENT(In-active) Inactivated on: 12/31/1991	a	128			
-		0	0		
SILICONE FUSER OIL(In-active) Inactivated on: 12/31/1991	a	488			

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Storage Address: 11254 N GOTHIC AVE

Date:

Last Inspection Date:

Permit Date: 07/01/2013

RFI Request No:

RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
STAMP PAD INK(In-active) Inactivated on: 12/31/1991	a	30			
-		0	0		
STENCIL CORRECTION FLUID(In-active) Inactivated on: 12/31/1991	a				
-		0	0		
THINNER-RUBBER CEMENT(In-active) Inactivated on: 12/31/1991	a	3			

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Storage Address: 11254 N GOTHIC AVE

Date:

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Permit Date: 07/01/2013

RFI Request No:

RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
THINNER-TYPE OR CORRECTION FLUID(In-active) Inactivated on: 12/31/1991	a	5			
-		0	0		
TYPEWRITER CLEANER(In-active) Inactivated on: 12/31/1991	a				
-		0	0		
WHITE GLUE(In-active) Inactivated on: 12/31/1991	a	16			

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Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
CITGO NO 2 DIESEL FUEL, LOW SULF					
DIESEL	b	55			b
-		0	0		
-					
GASOLINE					
GASOLINE	b	110			b
-		0	0		
-					
PHOTO FIXER SOLUTION					
PHOTO FIXER SOLUTION	c	30			b
-		0	0		
-					

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Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
ALCOHOL ISOPROPYL(In-active) Inactivated on: 12/31/1991	a	32			
-		0	0		
CLEANING SOLVENT(In-active) Inactivated on: 12/31/1991	a	32			
-		0	0		
DUPLICATOR TONER(In-active) Inactivated on: 12/31/1991	a	4			

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Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
FILM REMOVER(In-active) Inactivated on: 12/31/1991	a	128			
-		0	0		
INK ERADICATER(In-active) Inactivated on: 12/31/1991	a	18			
-		0	0		
LIQUID PAPER(In-active) Inactivated on: 12/31/1991	a	420			

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Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
MEMEOGRAPH STENCIL CEMENT(In-active) Inactivated on: 12/31/1991	a	6			
-		0	0		
PHOTO RECEPTOR PUMICE(In-active) Inactivated on: 12/31/1991	a	12			
-		0	0		
REPEAT-O-TYPE STENCIL CORRECTION FLUID(In-active) Inactivated on: 12/31/1991	a	20			

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-		0	0		
RETYPE CORRECTION FLUID(In-active) Inactivated on: 12/31/1991	a				
-		0	0		
RUBBER CEMENT(In-active) Inactivated on: 12/31/1991	a	128			
-		0	0		
SILICONE FUSER OIL(In-active) Inactivated on: 12/31/1991	a	488			

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Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
STAMP PAD INK(In-active) Inactivated on: 12/31/1991	a	30			
-		0	0		
STENCIL CORRECTION FLUID(In-active) Inactivated on: 12/31/1991	a				
-		0	0		
THINNER-RUBBER CEMENT(In-active) Inactivated on: 12/31/1991	a	3			

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Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
THINNER-TYPE OR CORRECTION FLUID(In-active) Inactivated on: 12/31/1991	a	5			
-		0	0		
TYPEWRITER CLEANER(In-active) Inactivated on: 12/31/1991	a				
-		0	0		
WHITE GLUE(In-active) Inactivated on: 12/31/1991	a	16			

From: Request, PRA@CALFIRE [pra.request@fire.ca.gov]
Sent: Thursday, July 13, 2017 8:48 AM
To: Shannon Castagno (Shannon@EnvironmentalSupportServices.com)
Cc: Request, PRA@CALFIRE
Subject: RE: 17-P-464 FW: 17--464 FW: Public Records Request

Good Morning Ms. Castagno:

Thank you for your request noted below. CAL FIRE's response is as follows:

"There is one jurisdictional pipeline within 1,500 feet of the locations requested. This pipeline is Torrance Valley Pipeline M-70 (OSFM Pipeline ID 0192). This line is a 16-inch Crude Oil Pipeline. This pipeline runs north / south along Woodley Ave. We do not have any records of spills within 1,500 feet of the location requested.

For more information on this pipeline please have the requestor contact Torrance Valley Pipeline.

Contact Info:
Torrance Valley Pipeline
Phone Number: (800) 537-5200
Alt Phone Number: (310) 241-5052"

Sincerely,

Anne Henigan
CAL FIRE Legal Office

From: Request, PRA@CALFIRE
Sent: Friday, June 23, 2017 10:44 AM
To: Peterson, Michele@CALFIRE <Michele.Peterson@fire.ca.gov>
Cc: Hastert, Daniel@CALFIRE <Daniel.Hastert@fire.ca.gov>; Cleaver, Joshua@CALFIRE <Joshua.Cleaver@fire.ca.gov>; Request, PRA@CALFIRE <pra.request@fire.ca.gov>
Subject: 17--464 FW: Public Records Request

From: Shannon Castagno [mailto:Shannon@EnvironmentalSupportServices.com]
Sent: Wednesday, June 21, 2017 3:40 PM
To: Request, PRA@CALFIRE <pra.request@fire.ca.gov>
Subject: Public Records Request

Good Morning Ms. Peterson:

Please see the request noted below. A response is due 07/01.

Anne

Environmental Support Services
Environmental Research & Due Diligence Compliance
30251 Golden Lantern, #E-305, Laguna Niguel, CA 92677
Tel) 949-429-3564 • Fax) 949-429-3563
www.EnvironmentalSupportServices.com • Info@EnvironmentalSupportServices.com

June 21, 2017

Cal Fire
Office of the State Fire Marshal

Attention: Public Records Request

Subject: Records Search – Hazardous Materials/Waste/Underground Tanks/Pipelines

Site: "John F. Kennedy High School "
11254 Gothic Avenue
Granada Hills, CA 91344
APN'S 2681-010-909, 2681-010-910 and 2681-101-911

Dear Public Records Request,

Environmental Support Services (ESS) is in the process of conducting a records search for an environmental audit at a site in Granada Hills, CA. This search includes researching the history of the site, especially as it pertains to hazardous materials/waste. With this in mind, **ESS** requests the following information concerning the subject address which your agency may have on file:

1. utilization, manufacture, storage, or discharge of hazardous materials/waste.
2. previous or on-going site investigations/remediations pertaining to hazardous materials/waste.
3. hazardous materials disclosures concerning the site.
4. pipelines.
5. information regarding underground storage tank present or previously found at the site.

Should you have any questions concerning this request for information, please call. Your expedient processing of this request is appreciated.

Sincerely,
Environmental Support Services

Shannon Castagno
Shannon Castagno
Project Manager
Shannon@EnvironmentalSupportServices.com

APPENDIX E

EDR HISTORICAL AERIAL PHOTOGRAPHS

John F Kennedy High School
11254 Gothic Avenue
Granada Hills, CA 91344

Inquiry Number: 4971797.9
June 22, 2017

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/22/17

Site Name:

John F Kennedy High School
11254 Gothic Avenue
Granada Hills, CA 91344
EDR Inquiry # 4971797.9

Client Name:

GeoSyntec Consultants
2100 Main St.
Huntington Beach, CA 92648
Contact: Kylie Caesar

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 05, 2002	USDA
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: February 14, 1977	EDR Proprietary Brewster Pacific
1972	1"=500'	Flight Date: November 18, 1972	EDR Proprietary Brewster Pacific
1969	1"=500'	Flight Date: July 25, 1969	USGS
1964	1"=500'	Flight Date: July 28, 1964	USGS
1952	1"=500'	Flight Date: July 09, 1952	USGS
1947	1"=500'	Flight Date: August 20, 1947	USGS
1938	1"=500'	Flight Date: May 13, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	USGS

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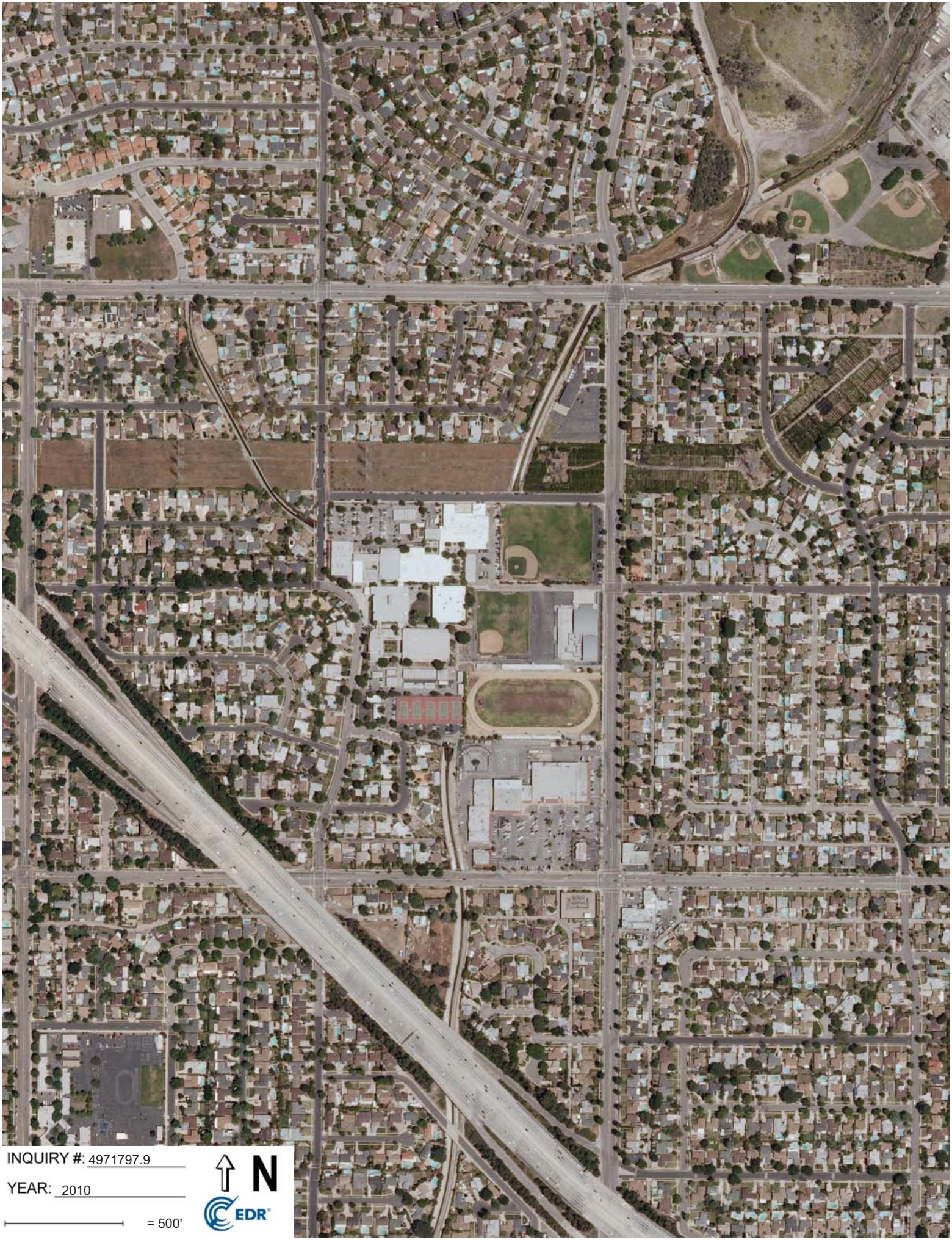
YEAR: 2012

= 500'

N

EDR



INQUIRY #: 4971797.9

YEAR: 2010

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EDR

INQUIRY #: 4971797.9

YEAR: 2009

= 500'

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EDR

INQUIRY #: 4971797.9

YEAR: 2005

= 500'

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EDR

INQUIRY #: 4971797.9

YEAR: 2002

= 500'

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EDR

INQUIRY #: 4971797.9
YEAR: 1994
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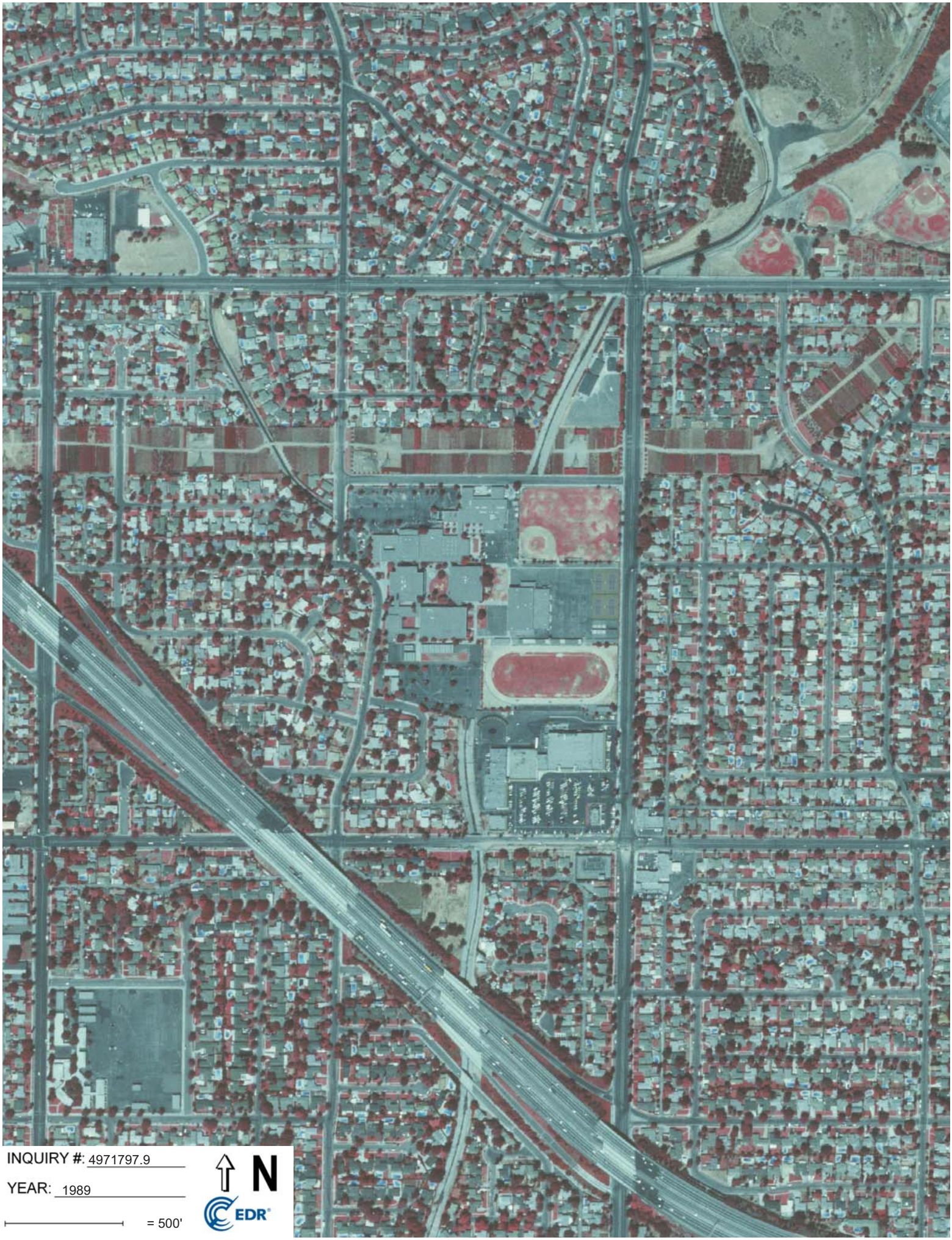
EDR


INQUIRY #: 4971797.9
YEAR: 1989
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EDR

INQUIRY #: 4971797.9

YEAR: 1981

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EDR

INQUIRY #: 4971797.9
YEAR: 1977
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EDR

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YEAR: 1972
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EDR

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YEAR: 1969
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EDR

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YEAR: 1964
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EDR

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YEAR: 1952
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EDR

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YEAR: 1947
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EDR

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YEAR: 1938
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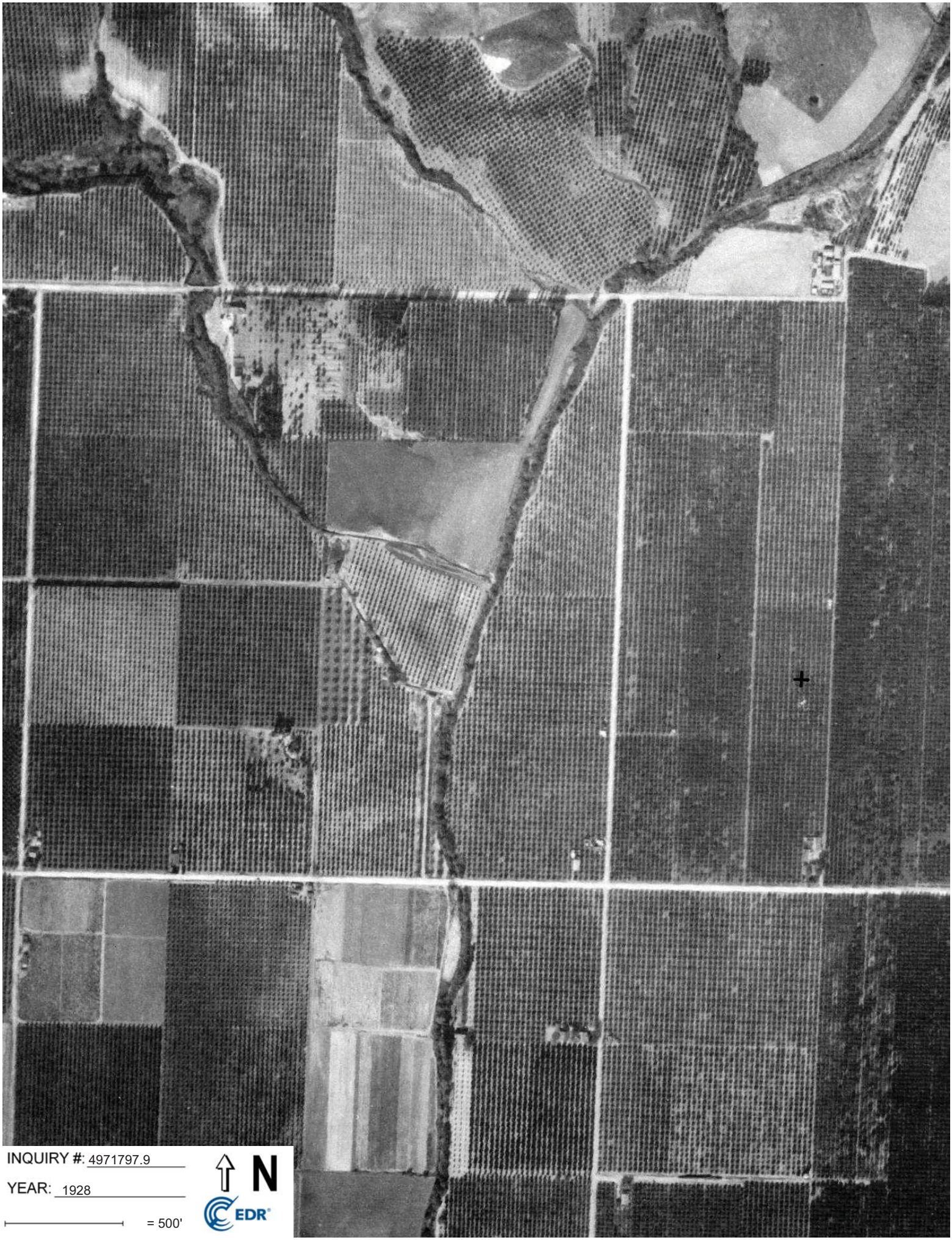
EDR



INQUIRY #: 4971797.9

YEAR: 1928

= 500'

N

EDR

APPENDIX F

EDR HISTORICAL TOPOGRAPHIC MAPS

John F Kennedy High School
11254 Gothic Avenue
Granada Hills, CA 91344

Inquiry Number: 4971797.4
June 20, 2017

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

06/20/17

Site Name:	Client Name:
John F Kennedy High School	GeoSyntec Consultants
11254 Gothic Avenue	2100 Main St.
Granada Hills, CA 91344	Huntington Beach, CA 92648
EDR Inquiry # 4971797.4	Contact: Kylie Caesar

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by GeoSyntec Consultants were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# HY1625

Project: LAUSD Kennedy HS Phase 1

Coordinates:

Latitude:	34.275034 34° 16' 30" North
Longitude:	-118.487727 -118° 29' 16" West
UTM Zone:	Zone 11 North
UTM X Meters:	363050.33
UTM Y Meters:	3793653.33
Elevation:	966.00' above sea level

Maps Provided:

2012	1940, 1941
1995	1927, 1928
1988	1900, 1903
1972	
1966, 1969	
1952, 1953	
1947	
1943, 1945	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

San Fernando

7.5-minute, 24000

Oat Mountain

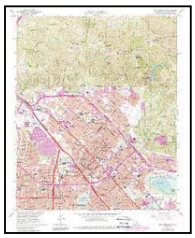
7.5-minute, 24000

1995 Source Sheets

San Fernando

7.5-minute, 24000
Aerial Photo Revised 1993

1988 Source Sheets



San Fernando

7.5-minute, 24000
Aerial Photo Revised 1985

1972 Source Sheets

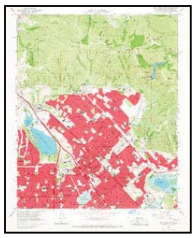
San Fernando

7.5-minute, 24000
Aerial Photo Revised 1972

Topo Sheet Key

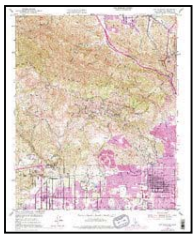
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1966, 1969 Source Sheets



San Fernando

7.5-minute, 24000
Aerial Photo Revised 1964



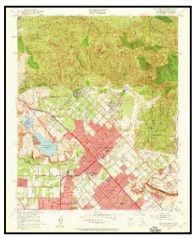
Oat Mountain

7.5-minute, 24000
Aerial Photo Revised 1969

1952, 1953 Source Sheets

Oat Mountain

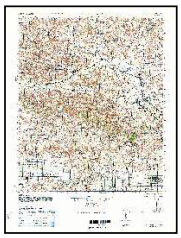
7.5-minute, 24000
Aerial Photo Revised 1947



San Fernando

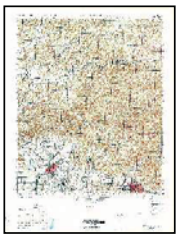
7.5-minute, 24000
Aerial Photo Revised 1952

1947 Source Sheets



SANTA SUSANA

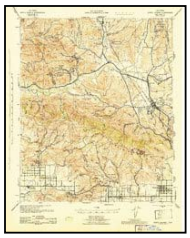
15-minute, 50000



SAN FERNANDO

15-minute, 50000

1943, 1945 Source Sheets



Santa Susana

15-minute, 62500
Aerial Photo Revised 1938

San Fernando

15-minute, 62500
Aerial Photo Revised 1940

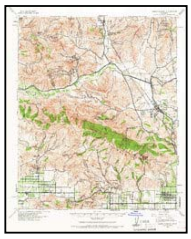
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1940, 1941 Source Sheets

San Fernando

15-minute, 62500
Aerial Photo Revised 1940



Santa Susana

15-minute, 62500
Aerial Photo Revised 1938

1927, 1928 Source Sheets

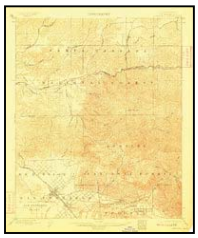
Pacoima

7.5-minute, 24000

Zelzah

7.5-minute, 24000

1900, 1903 Source Sheets

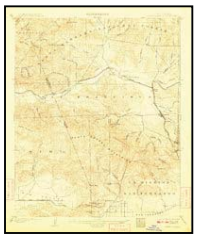


Fernando

15-minute, 62500

San Fernando

15-minute, 62500

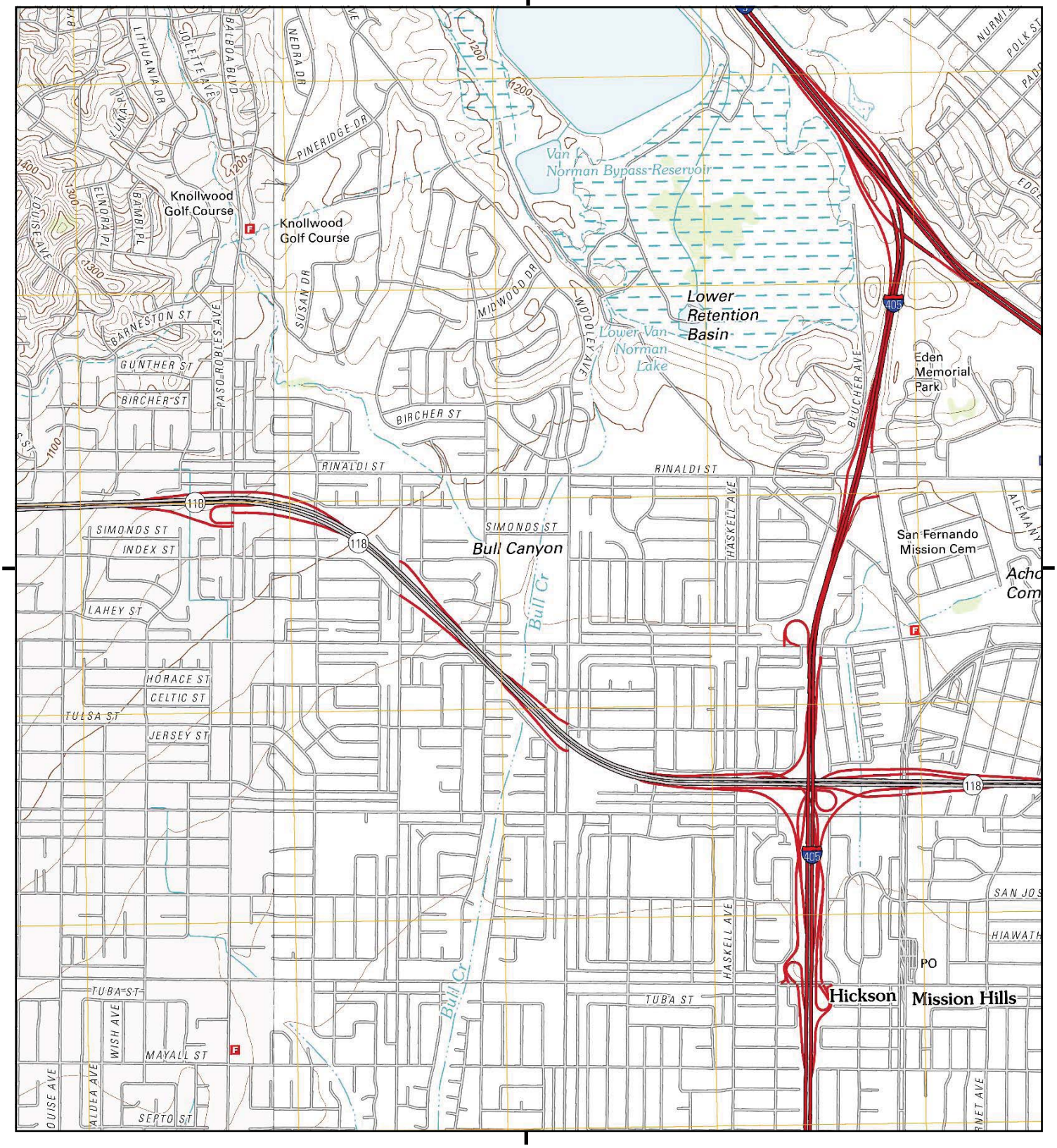


Santa Susana

15-minute, 62500

Historical Topo Map

2012



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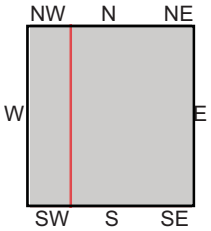


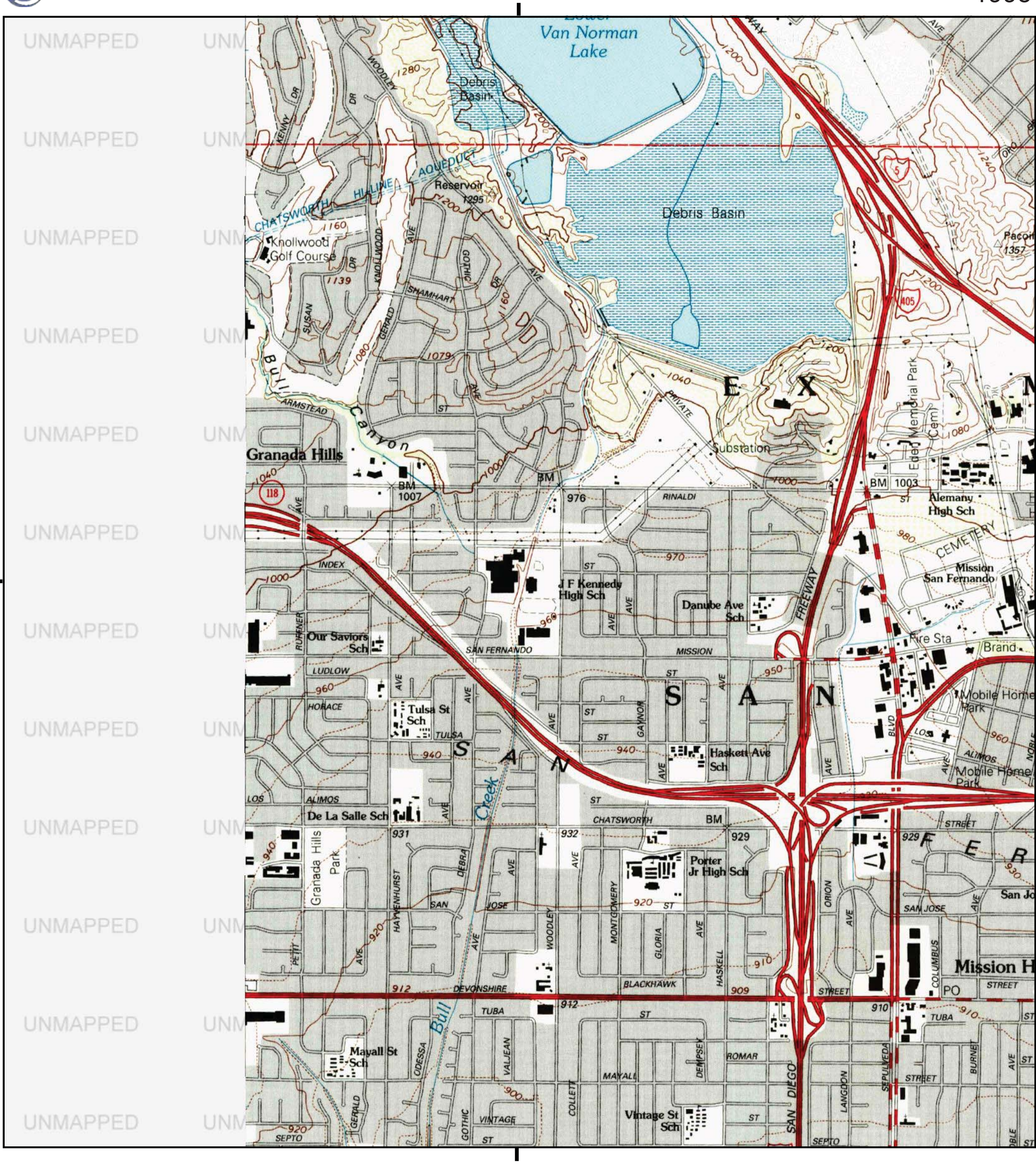
TP, San Fernando, 2012, 7.5-minute
NW, Oat Mountain, 2012, 7.5-minute

SITE NAME: John F Kennedy High School
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CLIENT: GeoSyntec Consultants

N

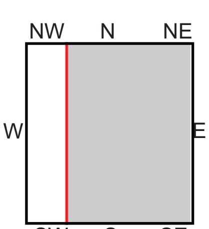
Historical Topo Map

1995



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

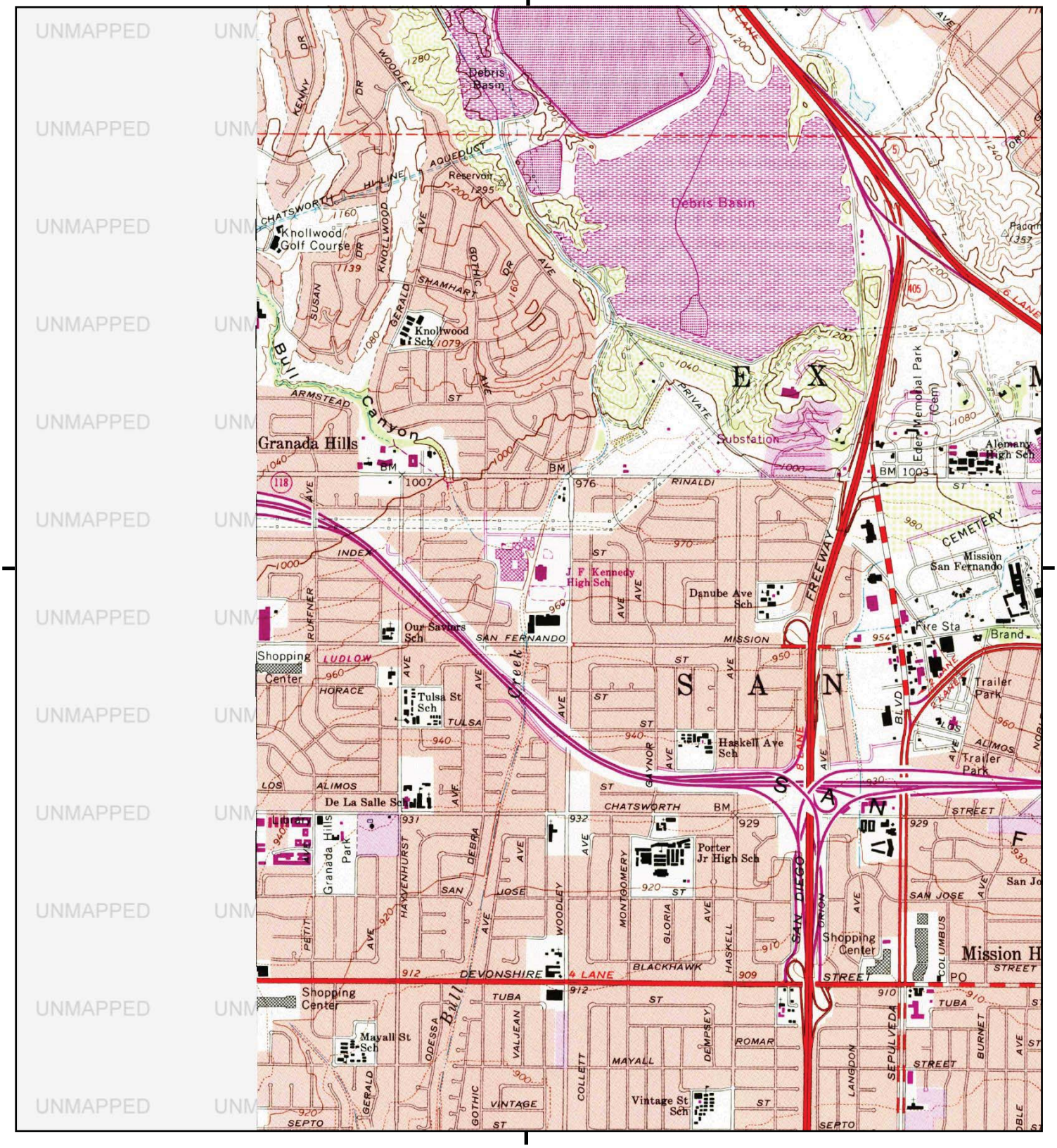


TP, San Fernando, 1995, 7.5-minute

SITE NAME: John F Kennedy High School
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CLIENT: GeoSyntec Consultants

Historical Topo Map

1988



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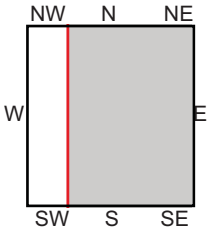


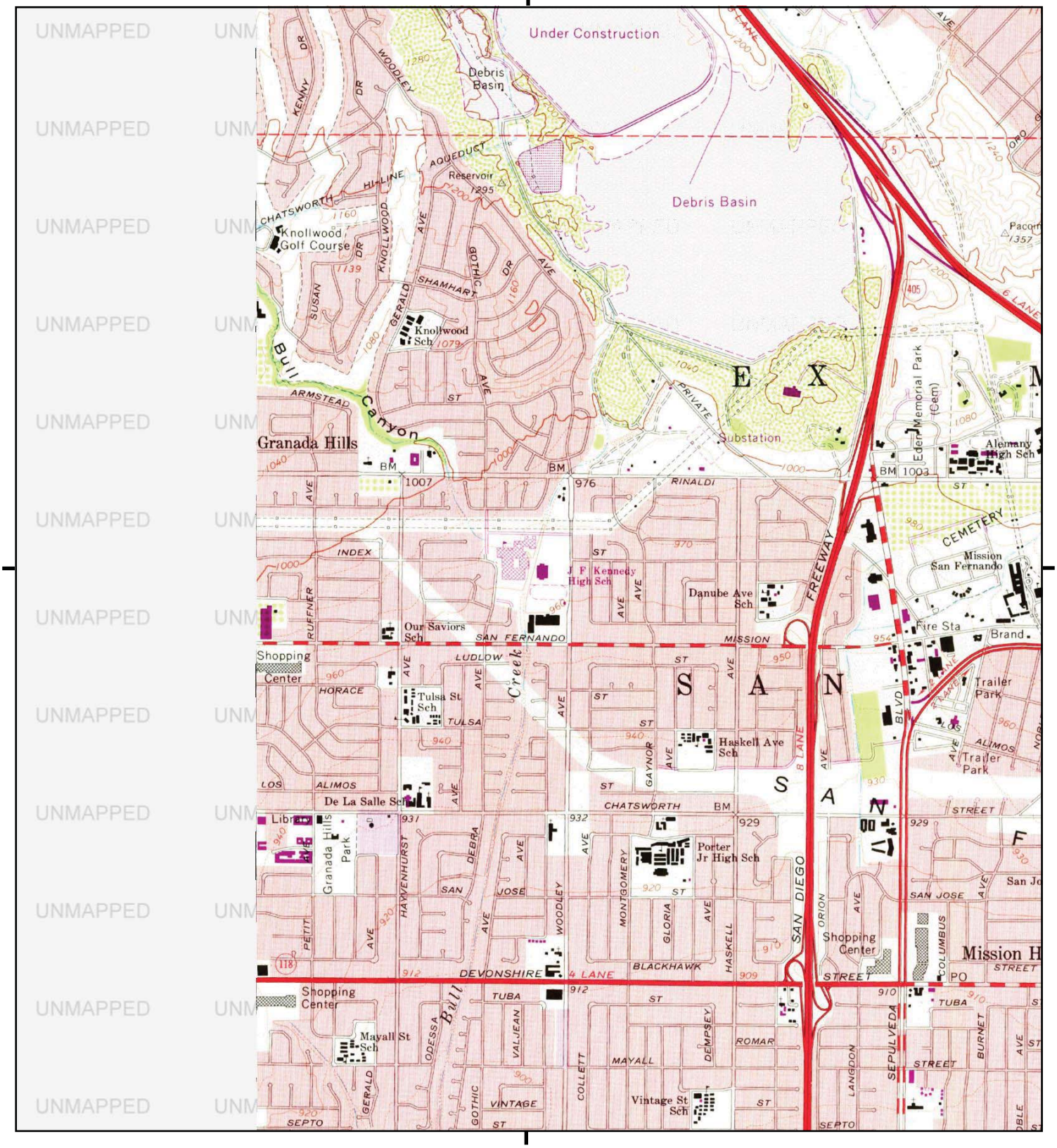
TP, San Fernando, 1988, 7.5-minute

SITE NAME: John F Kennedy High School
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CLIENT: GeoSyntec Consultants

N

Historical Topo Map

1972



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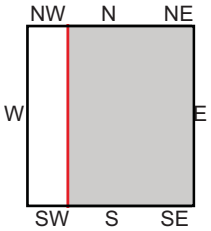


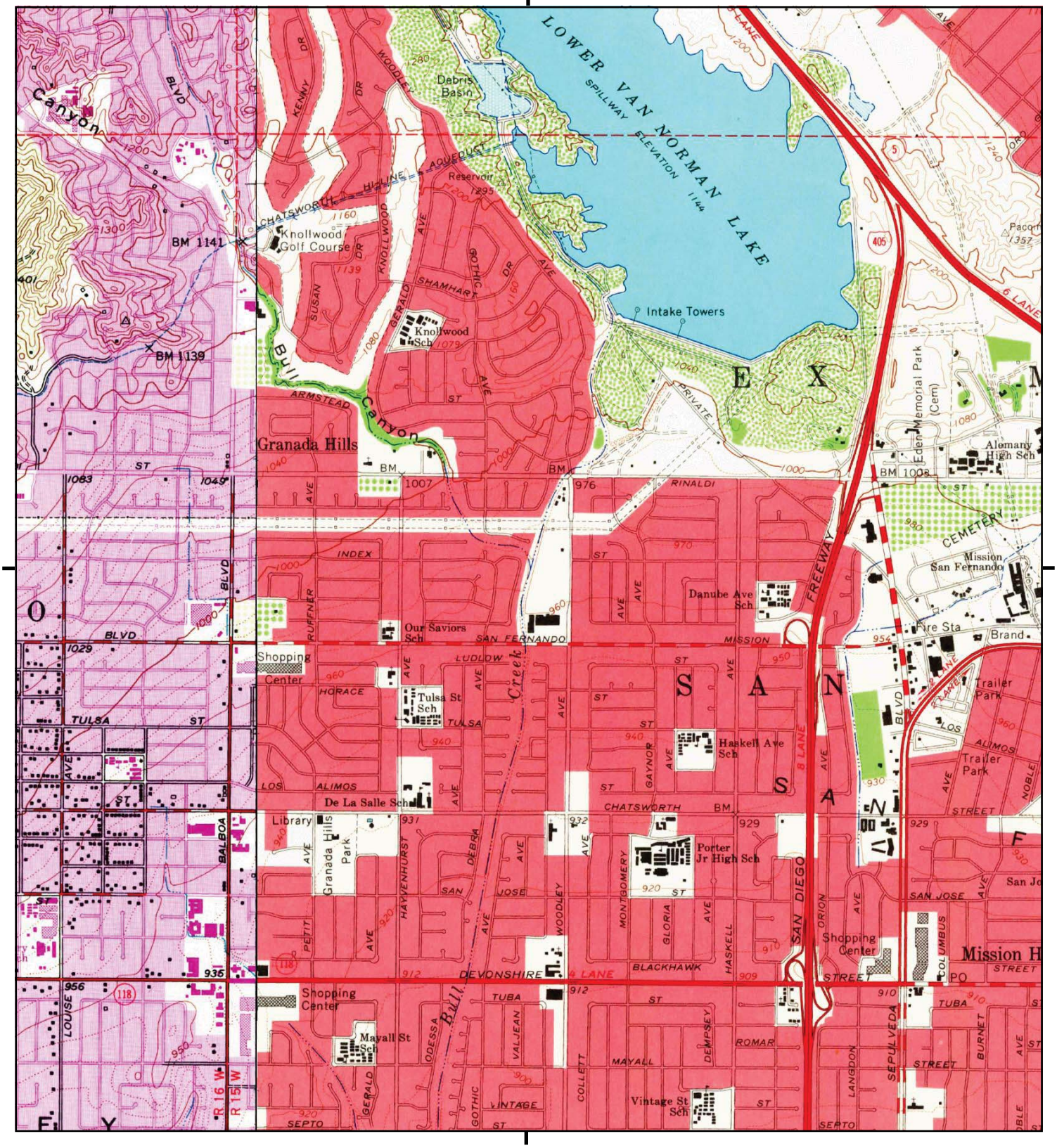
TP, San Fernando, 1972, 7.5-minute

SITE NAME: John F Kennedy High School
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CLIENT: GeoSyntec Consultants

N

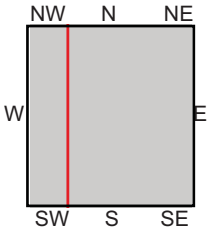
Historical Topo Map

1966, 1969



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



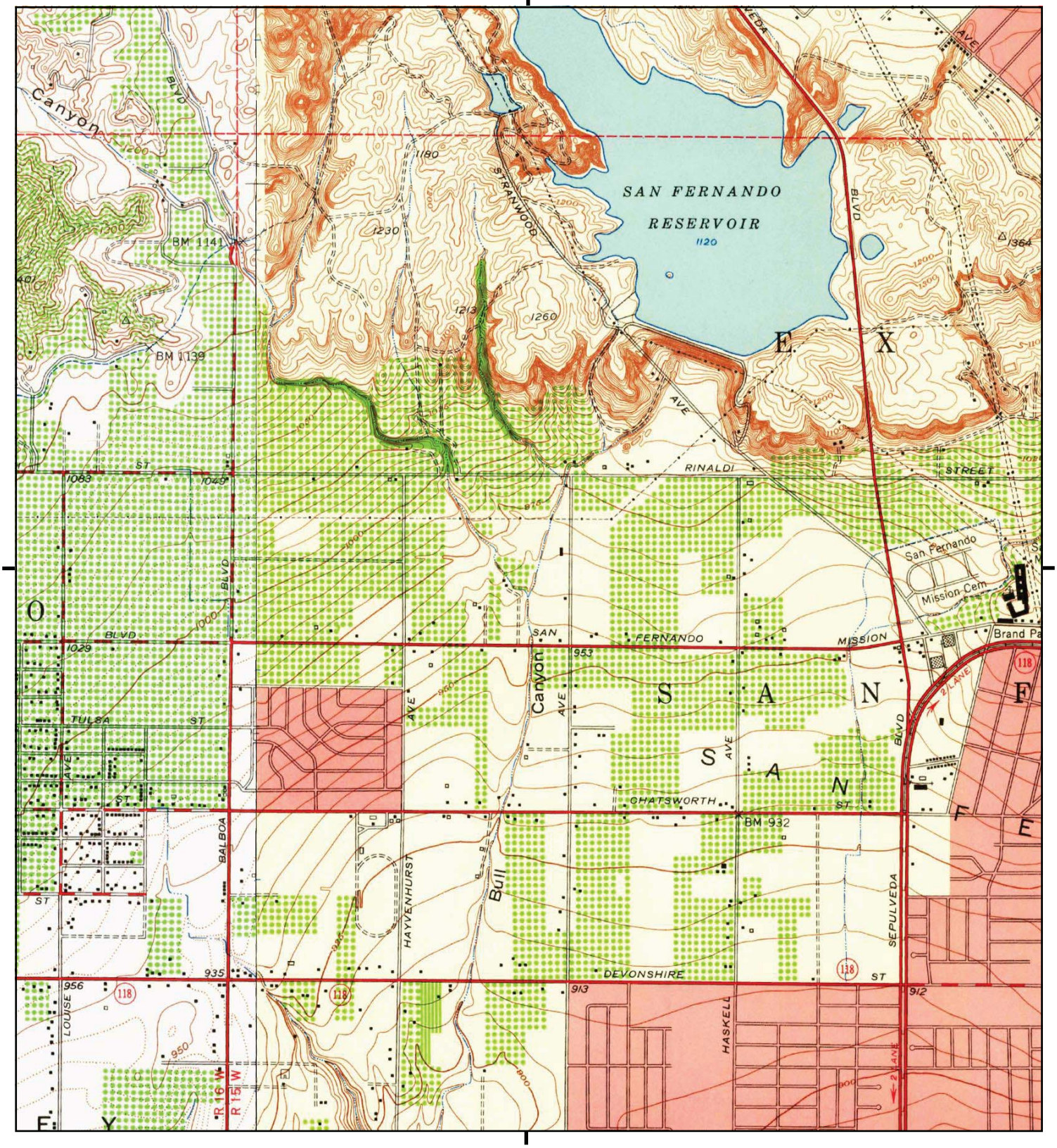
TP, San Fernando, 1966, 7.5-minute
NW, Oat Mountain, 1969, 7.5-minute

SITE NAME: John F Kennedy High School
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CLIENT: GeoSyntec Consultants

N

Historical Topo Map

1952, 1953



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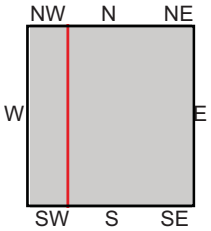
0 Miles 0.25 0.5 1 1.5



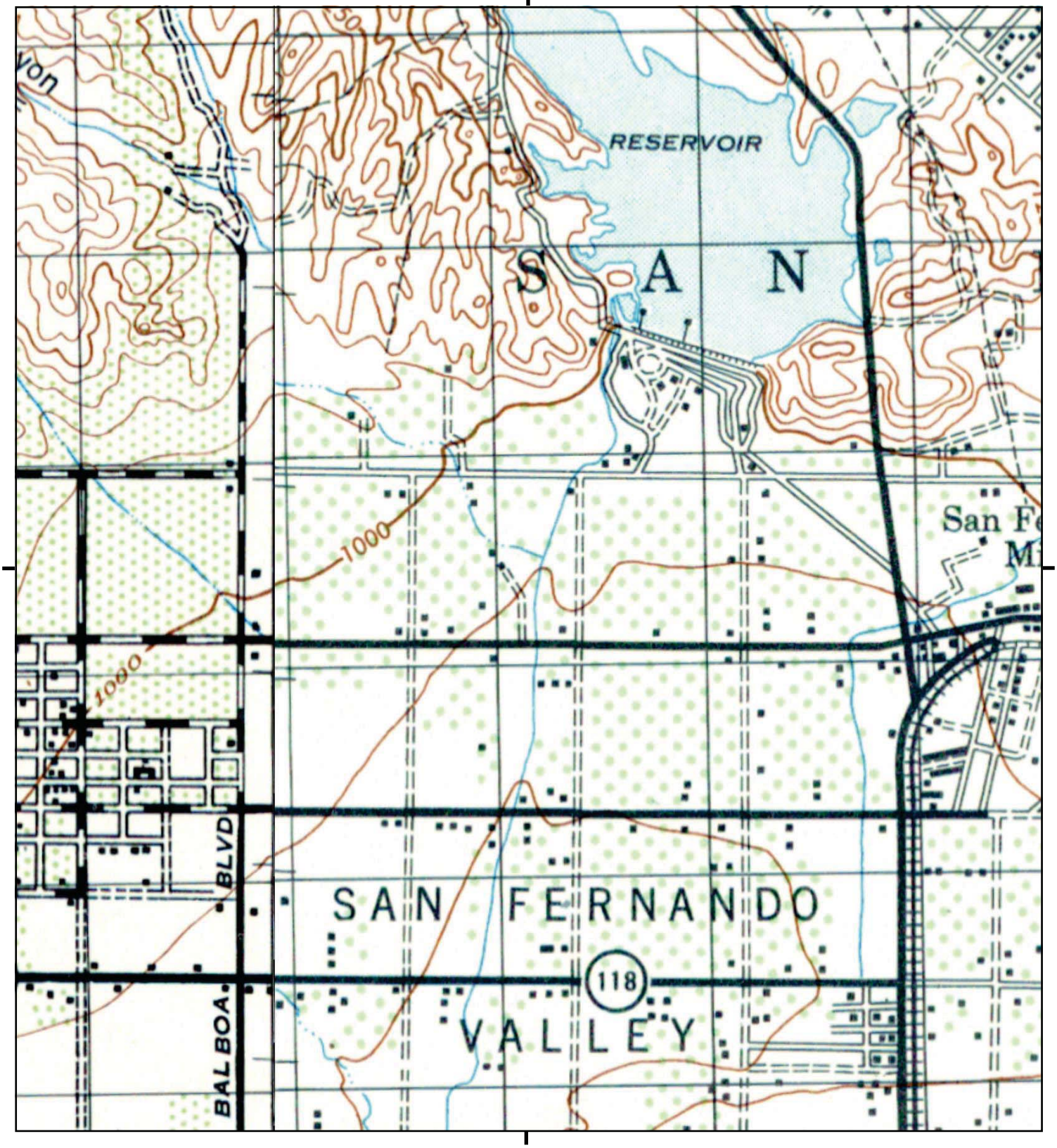
TP, San Fernando, 1953, 7.5-minute
NW, Oat Mountain, 1952, 7.5-minute

SITE NAME: John F Kennedy High School
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CLIENT: GeoSyntec Consultants

N

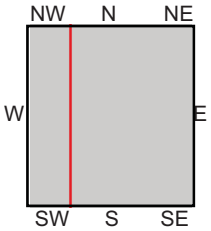
Historical Topo Map

1947



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



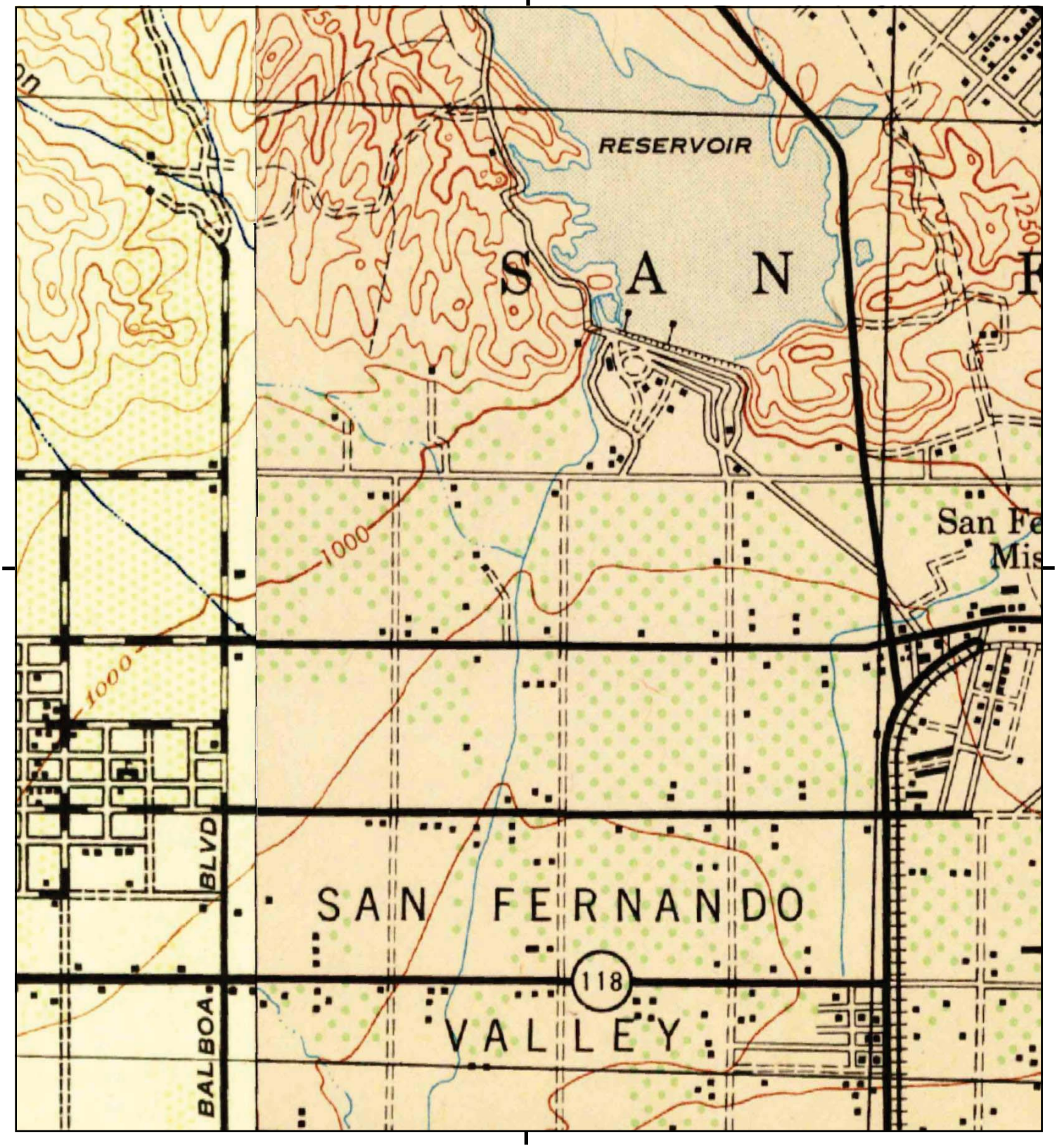
TP, SAN FERNANDO, 1947, 15-minute
NW, SANTA SUSANA, 1947, 15-minute

SITE NAME: John F Kennedy High School
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CLIENT: GeoSyntec Consultants

N

Historical Topo Map

1943, 1945



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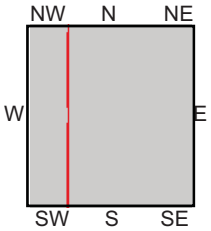
0 Miles 0.25 0.5 1 1.5



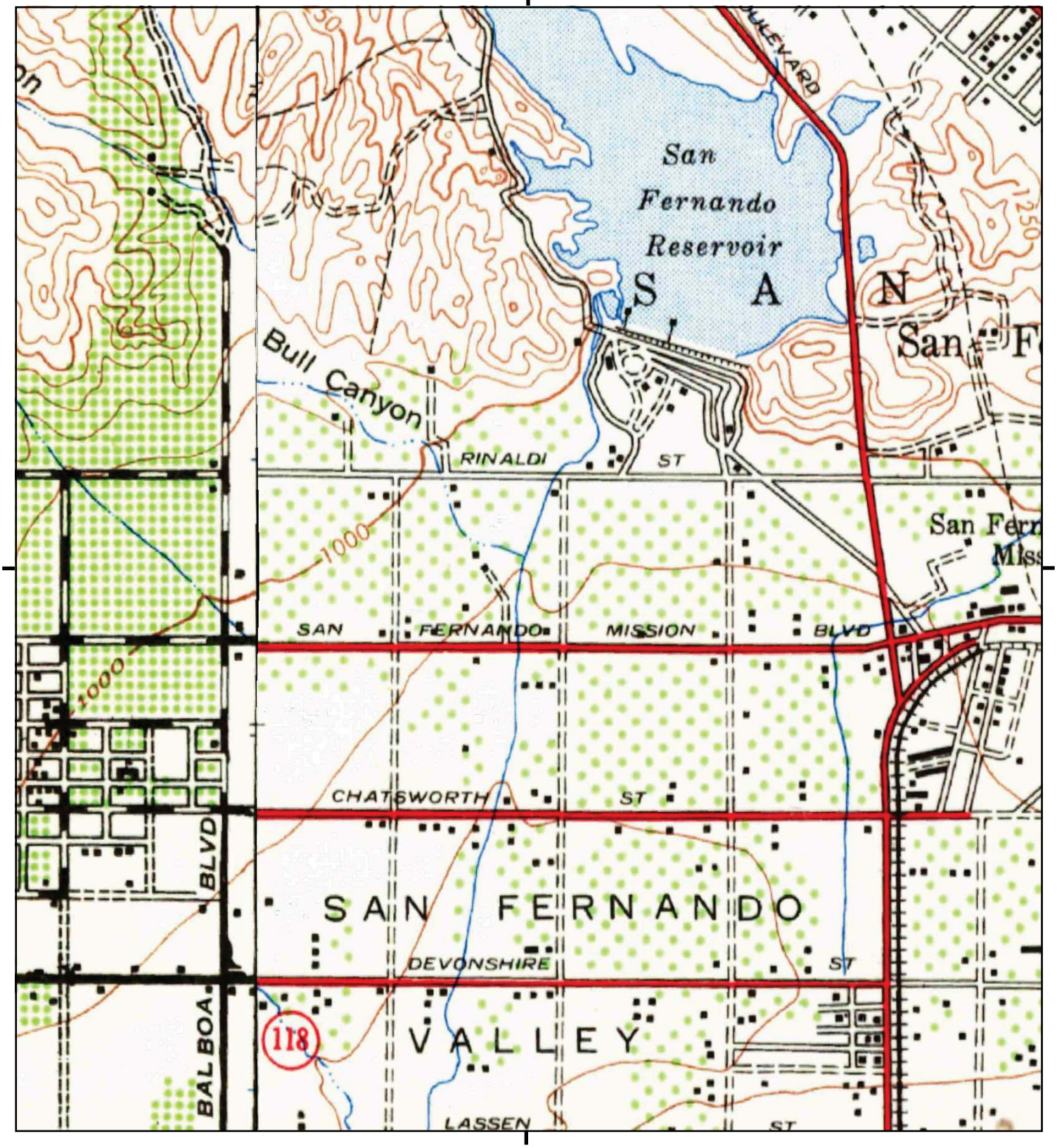
TP, San Fernando, 1945, 15-minute
NW, Santa Susana, 1943, 15-minute

SITE NAME: John F Kennedy High School
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CLIENT: GeoSyntec Consultants

N

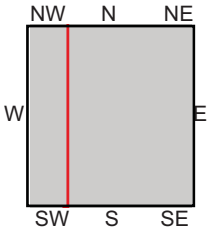
Historical Topo Map

1940, 1941



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, San Fernando, 1940, 15-minute
NW, Santa Susana, 1941, 15-minute

SITE NAME: John F Kennedy High School
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CLIENT: GeoSyntec Consultants

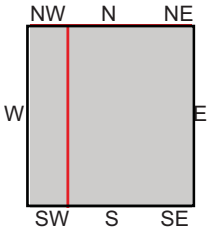
N

Historical Topo Map

1927, 1928

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, Pacoima, 1927, 7.5-minute
SW, Zelzah, 1928, 7.5-minute

SITE NAME: John F Kennedy High School
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CLIENT: GeoSyntec Consultants

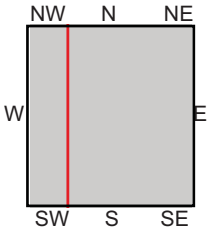
N

Historical Topo Map

1900, 1903

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, Fernando, 1900, 15-minute
TP, San Fernando, 1900, 15-minute
NW, Santa Susana, 1903, 15-minute

SITE NAME: John F Kennedy High School
ADDRESS: 11254 Gothic Avenue
Granada Hills, CA 91344
CLIENT: GeoSyntec Consultants

N

APPENDIX G

EDR SANBORN MAPS

John F Kennedy High School
11254 Gothic Avenue
Granada Hills, CA 91344

Inquiry Number: 4971797.3
June 20, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/20/17

Site Name:	Client Name:
John F Kennedy High School	GeoSyntec Consultants
11254 Gothic Avenue	2100 Main St.
Granada Hills, CA 91344	Huntington Beach, CA 92648
EDR Inquiry # 4971797.3	Contact: Kylie Caesar

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by GeoSyntec Consultants were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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PO # HY1625

Project LAUSD Kennedy HS Phase 1

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 8256-4196-86F2

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- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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APPENDIX H

CDE CHECKLIST

Preliminary Environmental Screening of Proposed Project at Existing School Site

Project: Kennedy High School.

Selection Criteria	Yes	No	Comments
High Voltage Power Transmission Lines [CCR, Title 5, 14010(c)]			
Will the project create or exacerbate any health risks to students from 50-133 kV power lines within 100 feet of the site?		X	
Will the project create or exacerbate any health risks to students from 220-230 kV power lines within 150 feet of the site?		X	
Will the project create or exacerbate any health risks to students from 500-550 kV power lines within 350 feet of the site?		X	**High-voltage transmission corridor 100 ft north of the site boundary**
Railroads [CCR, Title 5, 14010(d)]			
Will the project create or exacerbate any safety risks to students from railroads within 1,500 feet of th site?		X	
Traffic Noise [CCR, Title 5, 14010(e)]			
Will the project create or exacerbate any noise impacts to students from adjacent roads or freeways that will adversely affect the educational program?		X	
Faults [CCR, Title 5, 14010(f)]			
Will the project create or exacerbate and safety risks to students from active fault traces which may be onsite?		X	
Flood or Inundation Area [CCR, Title 5, 14010(g)]			
Will the project create or exacerbate safety risks to students from flooding or dam inundation?		X	**The Site is located over confluence of two creeks**
Pipelines and Above Ground Tanks [CCR, Title 5, 14010(h)]			
Will the project create or exacerbate safety risks to students from nearby above ground water or fuel storage tanks?		X	**16 inch crude oil pipeline located directly east of the Property.**
Will the project create or exacerbate safety risks to students from high-pressure hazardous material pipelines located within 1,500 feet of the site?		X	
Liquefaction and Landslides [CCR, Title 5, 14010(i)]			
Will the project create or exacerbate safety risks to students from liquefaction or landslides?		X	
Traffic and Pedestrian Safety [CCR, Title 5, 14010(l)]			
Will the project create or exacerbate traffic/pedestrian safety risks to students from an adjacent major arterial street?		X	

Preliminary Environmental Screening of Proposed Project at Existing School Site

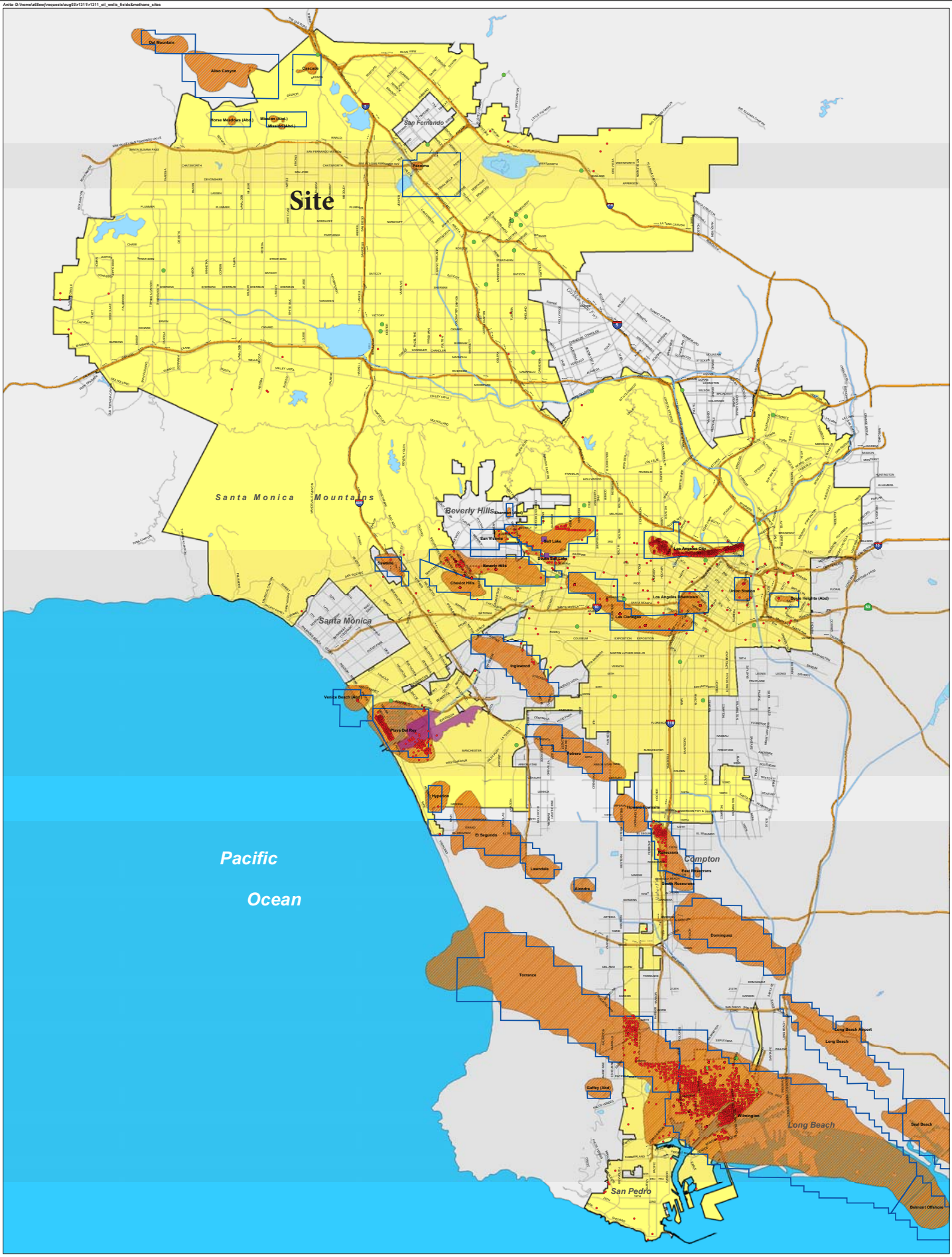
Project: _____.

Selection Criteria	Yes	No	Comments
Compatible Zoning [CCR, Title 5, 14010(m)]			
Will the project create or exacerbate health or safety risks to students from the zoning surrounding the site?		X	
Light, Wind, Air Pollution [CCR, Title 5, 14010(q)]			
Will the project create or exacerbate impacts to students from light, wind, or air pollution?		X	
Easements [CCR, Title 5, 14010(r)]			
Will the project create or exacerbate impacts to students from easements on or adjacent to the site which may restrict access or building placement?		X	
Border Zone Property [CCR, Title 5, 14010(t)]			
Will the project create or exacerbate health and safety risks to students from a significant disposal of hazardous waste within 2,000 ft. of the site?		X	
Cellular Phone Towers [LAUSD Board Resolution]			
Will the project create or exacerbate health risks to students from a cellular phone tower on or adjacent to the site?		X	**There is a cell tower 155 feet south of the site**
Methane Zone			
Will the project create or exacerbate health and safety risks to students from a known methane zone or oil field?		X	
Oil Wells			
Will the project create or exacerbate health and safety risks to students from an onsite oil well?		X	
Air Pollution [LAUSD Board Resolution]			
Will the project create or exacerbate health risks to students from a major transportation corridor (freeway, major rail line) within 500 feet?		X	
Will the project create or exacerbate health risks to students from a major stationary source of emissions within 500 feet?		X	
Is the school on the Priority List of Schools Most at Risk from Air Pollution?		X	
Will the project create or exacerbate health risks to students from a high-risk facility previously identified by OEHS?		X	
Airports [CCR, Title 5, 14010(t)]			
Will the project create or exacerbate health and safety risks to students from an airport within two nautical miles of the site?		X	

APPENDIX I

DOGGR AND SEISMIC HAZARD MAPS

Anita- D:/home/a58ewj/requesta/aug03/r1311r1311_oil_wells_fields&methane_sites



Oil Well
Landfill Site
Other Known Methane Gas Source
Administrative Boundary of Oil Field
Productive Boundary of Oil Field

Note: Oil Well Data Source: Division of Oil, Gas, and Geothermal Resources, Sacramento, California May 2001.

ANTONIO R. VILLARAIGOSA
MAYOR

OIL WELLS, OIL FIELDS, AND LANDFILL SITES

CITY OF LOS ANGELES

Miles
0 0.2 0.4 0.8 1.2 1.6 2 2.4 2.8

Prepared by GIS Mapping, Bureau of Engineering, Dept. of Public Works - 08/28/03

LA DPW ENGINEERING
Serving the Present; Designing the Future

BRADLEY M. SMITH, P.E.
INTERIM CITY ENGINEER

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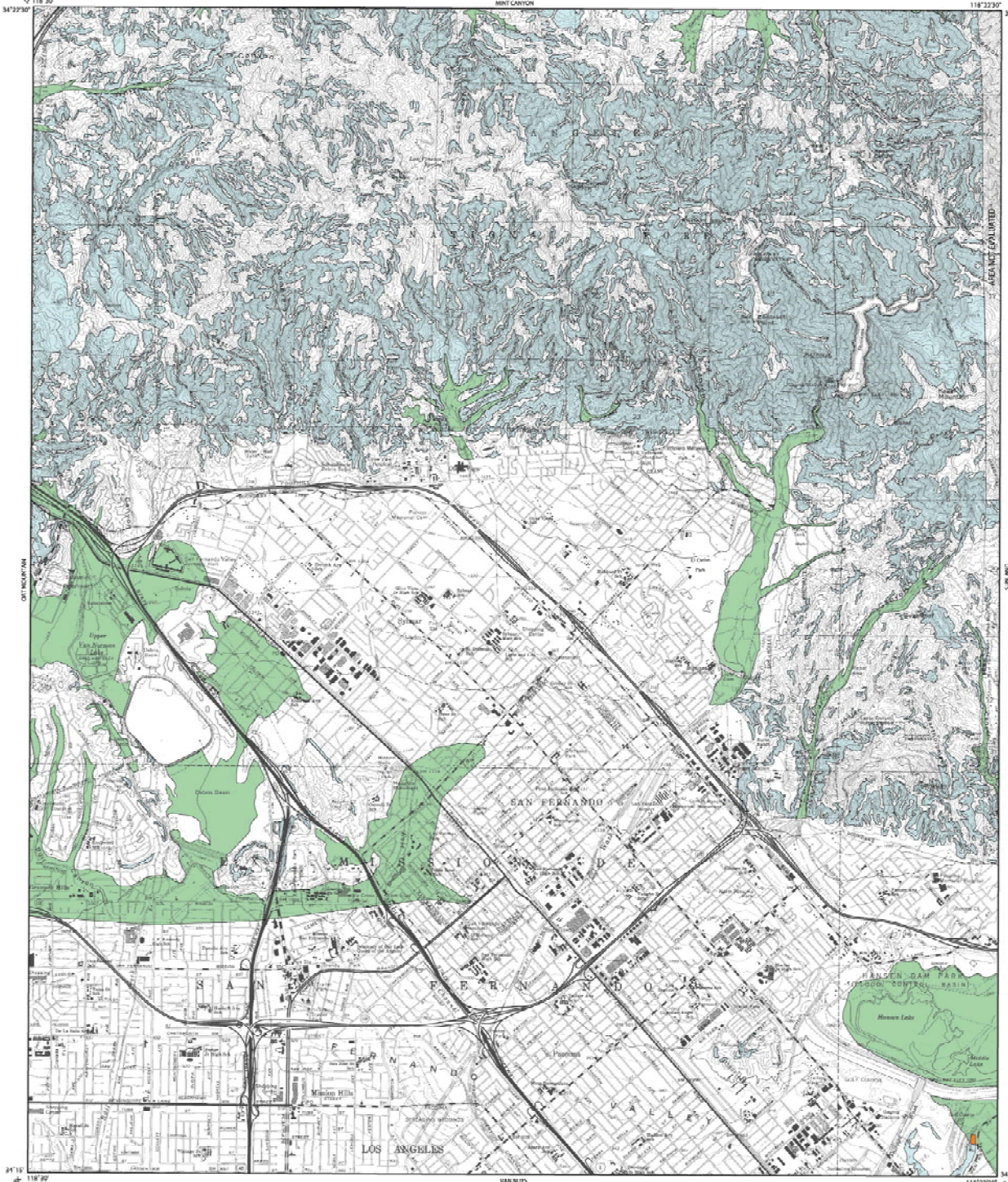
STATE OF CALIFORNIA-GRAY DAVIS, GOVERNOR
THE RESOURCES AGENCY-MARY D. NICHOLS, SECRETARY
DEPARTMENT OF CONSERVATION-STEVE ARTHUR, CHIEF DEPUTY DIRECTOR

DIVISION OF MINES AND GEOLOGY
JAMES F. DAVIS, STATE GEOLOGIST

SEISMIC HAZARD ZONES MAP
San Fernando Quadrangle



Base Map prepared by U.S. Geological Survey, 1966, photorevised 1988

SCALE 1:24,000

PURPOSE OF MAP

This map will assist cities and counties in fulfilling their responsibilities for protecting the public safety from the effects of earthquake-triggered ground failure as required by the Seismic Hazards Mapping Act (Public Resources Code Sections 2690-2699.6).

For information regarding the scope and recommended methods to be used in conducting the required site investigations, see DMG Special Publication 117, Guidelines for Evaluating and Mitigating Seismic Hazards in California.

For a general description of the Seismic Hazards Mapping Program, the Seismic Hazards Mapping Act and regulations, and related information, please refer to the draft User's Guide (see http://www.conrev.ca.gov/dmg/shezp/userguid/).

Production of this map was funded by the Federal Emergency Management Agency's Hazard Mitigation Program and the Department of Conservation in cooperation with the Governor's Office of Emergency Services.

IMPORTANT - PLEASE NOTE

1) This map may not show all areas that have the potential for liquefaction, landsliding, strong earthquake ground shaking or other earthquake and geologic hazards. Also, a single earthquake capable of causing liquefaction or triggering landslide failure will not uniformly affect the entire area zoned.

2) Liquefaction zones may also contain areas susceptible to the effects of earthquake-induced landslides. This situation typically exists at or near the toe of existing landslides, downslope from rockfall or debris flow source areas, or adjacent to steep stream banks.

3) This map does not show Alquist-Priolo earthquake fault zones, if any, that may exist in this area. Please refer to the latest official map of earthquake fault zones for disclosures and other actions that are required by the Alquist-Priolo Earthquake Fault Zoning Act. For more information on this subject and an index to available maps, see DMG Special Publication 42.

4) Landslide zones on this map were determined, in part, by adapting methods first developed by the U.S. Geological Survey (USGS). A new generation of landslide hazard maps being prepared by the USGS (Ibson and Harp, in preparation) uses an experimental approach designed to explore new methods to assess earthquake-induced landslide hazards. Although aspects of this new methodology may be incorporated in future seismic hazard zone maps, the experimental USGS maps should not be used as substitutes for these official earthquake-induced landslide zone maps.

5) U.S. Geological Survey base map standards provide that 90 percent of cultural features be located within 40 feet (horizontal accuracy) at the scale of this map. The identification and location of liquefaction and earthquake-induced landslide zones are based on available data. However, the quality of data used is varied. The zone boundaries depicted have been drawn as accurately as possible at this scale.

6) Information on this map is not sufficient to serve as a substitute for the geologic and geotechnical site investigations required under Chapters 7.5 and 7.8 of Division 2 of the Public Resources Code.

7) DISCLAIMER: The State of California and the Department of Conservation make no representations or warranties regarding the accuracy of the data from which these maps were derived. Neither the State nor the Department shall be liable under any circumstances for any direct, indirect, special, incidental or consequential damages with respect to any

STATE OF CALIFORNIA
SEISMIC HAZARD ZONES
Delineated in compliance with
Chapter 7.8, Division 2 of the California Public Resources Code
(Seismic Hazards Mapping Act)

SAN FERNANDO QUADRANGLE

OFFICIAL MAP
Released: March 25, 1999

STATE GEOLOGIST

MAP EXPLANATION

Zones of Required Investigation:

Liquefaction
Areas where historic occurrence of liquefaction, or local geological, geotechnical and groundwater conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

Earthquake-Induced Landslides
Areas where previous occurrence of landslide movement, or local topographic, geological, geotechnical and subsurface water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

Overlapping Liquefaction and Earthquake-Induced Landslides
Areas that lie within zones of required investigation for both liquefaction and earthquake-induced landslides. (See above for explanation of each zone.)

DATA AND METHODOLOGY USED TO DEVELOP THIS MAP ARE PRESENTED IN THE FOLLOWING:

Seismic Hazard Evaluation of the San Fernando 7.5 minute quadrangle, Los Angeles County, California: California Division of Mines and Geology, Open-File Report 98-06.

For additional information on seismic hazards in this map area, the rationale used for zoning, and additional references consulted, refer to DMG's World Wide Web site (http://www.conrev.ca.gov/dmg/).

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APPENDIX J

SITE PHOTOGRAPHS

GEOSYNTEC CONSULTANTS
Photographic Record

Client: LAUSD	**Project Number: HY1625**
Site Name: Kennedy High School	**Site Location: 11254 Gothic Avenue, Granada Hills, CA**

Photograph 1

Date: 6/22/2017

Direction: E

Comments: Main entrance to Kennedy High School located to the west of the Site on Gothic Avenue.

Photograph 2

Date: 6/22/2017

Direction: N

Comments: Faculty Parking Lot located in the central northern portion of Site.

GEOSYNTEC CONSULTANTS
Photographic Record

Client: LAUSD	**Project Number: HY1625**
Site Name: Kennedy High School	**Site Location: 11254 Gothic Avenue, Granada Hills, CA**

Photograph 3 **Date: 6/22/2017** **Direction: S** **Comments: Trash storage area located to the North of the Site.**	
Photograph 4 **Date: 6/22/2017** **Direction: SE** **Comments: Trash storage area located to the North of the Site.**	

GEOSYNTEC CONSULTANTS
Photographic Record

Client: LAUSD	**Project Number: HY1625**
Site Name: Kennedy High School	**Site Location: 11254 Gothic Avenue, Granada Hills, CA**

Photograph 5	
Date: 6/22/2017	
Direction: N	
Comments: Pad mounted transformer located outside school building in the south-central portion of the site.	

Photograph 6	
Date: 6/22/2017	
Direction: E	
Comments: High voltage power lines located north of the Site along Simmonds Street.	

GEOSYNTEC CONSULTANTS
Photographic Record

Client: LAUSD	**Project Number: HY1625**
Site Name: Kennedy High School	**Site Location: 11254 Gothic Avenue, Granada Hills, CA**

Photograph 7	
Date: 6/22/2017	
Direction:	
Comments: Typical Strom drain inlet in parking lot areas	

Photograph 8	
Date: 6/22/2017	
Direction: N	
Comments: Drainage/creek culvert that across Site from north to south below grade.	

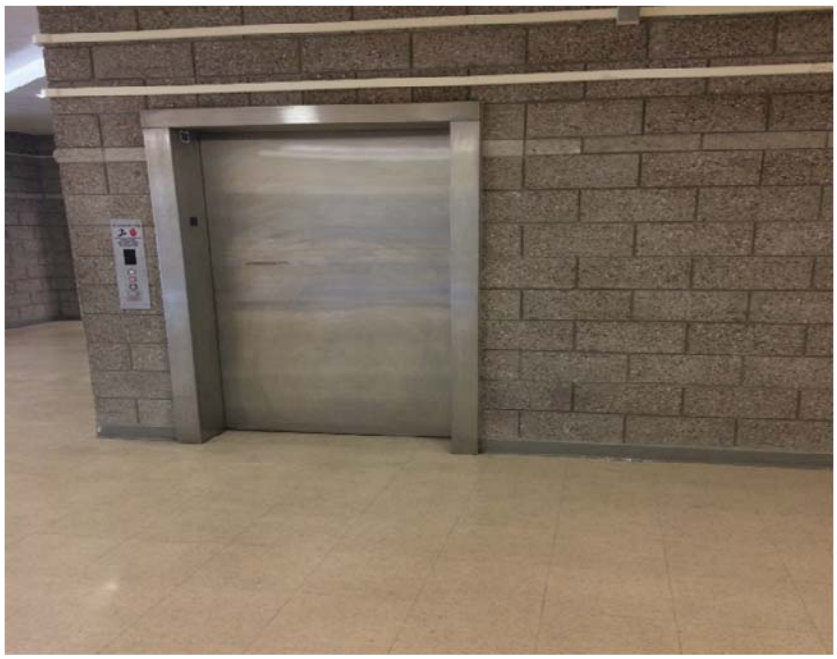
GEOSYNTEC CONSULTANTS
Photographic Record

Client: LAUSD	**Project Number: HY1625**
Site Name: Kennedy High School	**Site Location: 11254 Gothic Avenue, Granada Hills, CA**

Photograph 9 **Date: 6/22/2017** **Direction: W** **Comments: One of the backfilled boreholes identified on Site.**	
Photograph 10 **Date: 6/22/2017** **Direction: NW** **Comments: Inside typical janitor closet located in the Science Building.**	

GEOSYNTEC CONSULTANTS
Photographic Record

Client: LAUSD	**Project Number: HY1625**
Site Name: Kennedy High School	**Site Location: 11254 Gothic Avenue, Granada Hills, CA**

Photograph 11 **Date: 6/22/2017** **Direction: N** **Comments: Elevator located in Administration Building on Site.**	
Photograph 12 **Date: 6/22/2017** **Direction: NE** **Comments: Inside elevator machine room located in the Administration building.**	

GEOSYNTEC CONSULTANTS
Photographic Record

Client: LAUSD	**Project Number: HY1625**
Site Name: Kennedy High School	**Site Location: 11254 Gothic Avenue, Granada Hills, CA**

Photograph 13	
Date: 6/22/2017	
Direction: NE	
Comments: Clarifier located near the northern border of the site near Simmonds Street.	

Photograph 14	
Date: 6/22/2017	
Direction: W	
Comments: Paint cans located inside chemical storage room in the northern central part of the Site.	

GEOSYNTEC CONSULTANTS
Photographic Record

Client: LAUSD	**Project Number: HY1625**
Site Name: Kennedy High School	**Site Location: 11254 Gothic Avenue, Granada Hills, CA**

Photograph 15	
Date: 6/22/2017	
Direction: S	
Comments: Two of the eight secured metal storage containers located on Site.	

Photograph 16	
Date: 6/22/2017	
Direction:	
Comments: Chemical microbial bactericide buckets in chilled water generation plant	

GEOSYNTEC CONSULTANTS
Photographic Record

Client: LAUSD	**Project Number: HY1625**
Site Name: Kennedy High School	**Site Location: 11254 Gothic Avenue, Granada Hills, CA**

Photograph 17	
Date: 6/22/2017	
Direction:	
Comments: Chemical microbial bactericide buckets in chilled water generation plant	

Photograph 18	
Date: 6/22/2017	
Direction:	
Comments: Asbestos containing pipe insulation in chilled water generation plant	

GEOSYNTEC CONSULTANTS
Photographic Record

Client: LAUSD	**Project Number: HY1625**
Site Name: Kennedy High School	**Site Location: 11254 Gothic Avenue, Granada Hills, CA**

Photograph 19	
Date: 6/22/2017	
Direction:	
Comments: Portable refrigeration units	

Photograph 20	
Date: 6/22/2017	
Direction: NW	
Comments: Diesel fueled generator located to the North of the site.	

GEOSYNTEC CONSULTANTS
Photographic Record

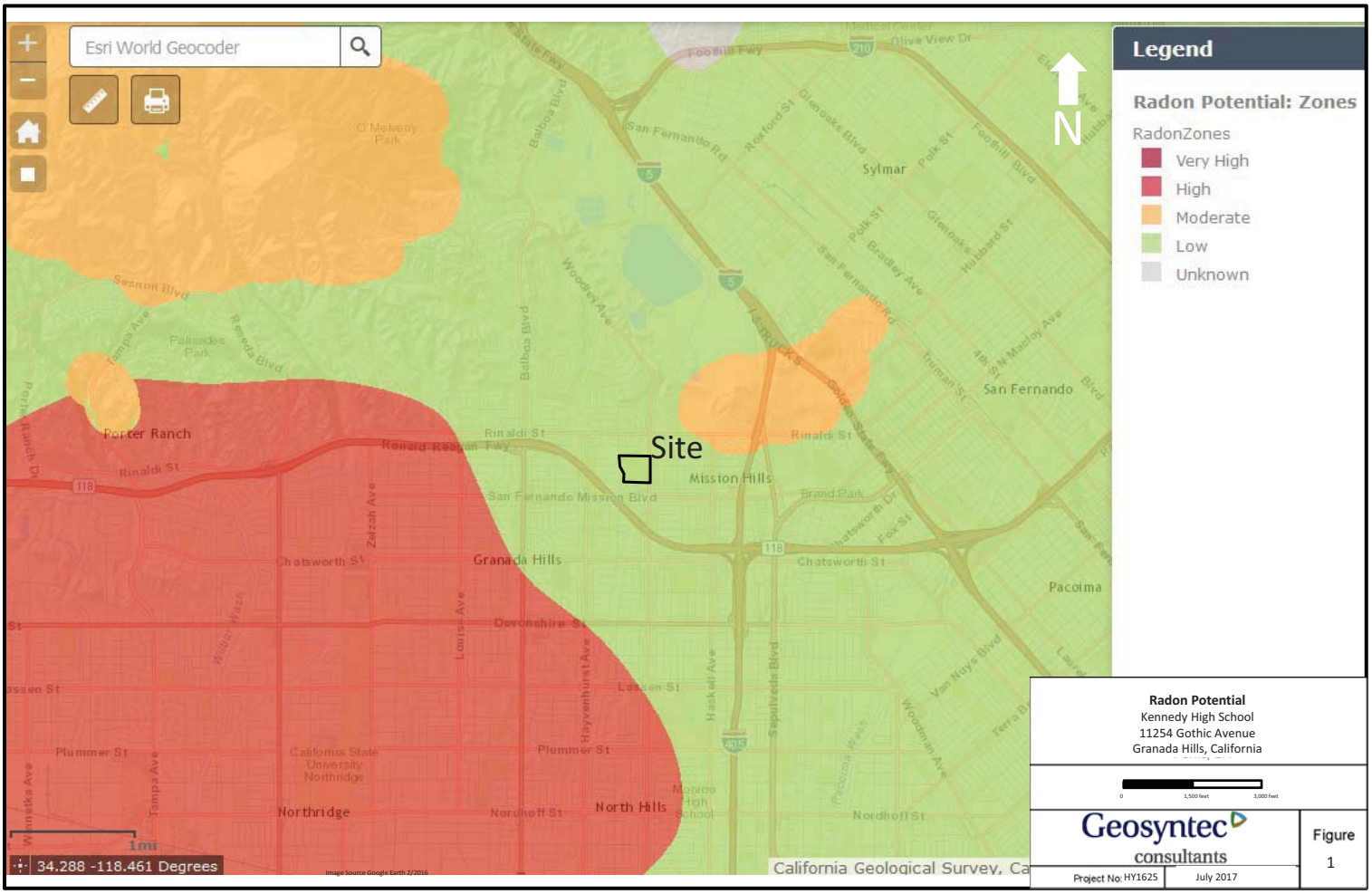
Client: LAUSD	**Project Number: HY1625**
Site Name: Kennedy High School	**Site Location: 11254 Gothic Avenue, Granada Hills, CA**

Photograph 21	
Date: 6/22/2017	
Direction:	
Comments: Diesel fueled generator fuel tank.	

Photograph 22	
Date: 6/22/2017	
Direction:	
Comments:	

APPENDIX K

CALIFORNIA GEOLOGICAL SURVEY RADON POTENTIAL MAP EXCERPT



Radon Potential
Kennedy High School
11254 Gothic Avenue
Granada Hills, California

0 1,500 feet 3,000 feet

Geosyntec consultants

Figure 1

Project No: HY1625 | July 2017

PRELIMINARY ENVIRONMENTAL ASSESSMENT – EQUIVALENT REPORT

JOHN F. KENNEDY SENIOR HIGH SCHOOL
11254 GOTHIC AVENUE
GRANADA HILLS, CALIFORNIA 91344

Prepared for

Los Angeles Unified School District
Office of Environmental Health and Safety
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017

February 13, 2019

Prepared by

PARSONS 100 WEST WALNUT STREET • PASADENA • CALIFORNIA 91124

PRELIMINARY ENVIRONMENTAL ASSESSMENT - EQUIVALENT REPORT
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February 13, 2019

Prepared by

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Prepared by:

Justin King

Date: 2-13-2019

Reviewed by:

Peter Shair, P.G.
Project Manager

PROFESSIONAL GEOLOGIST
PETER B. SHAIR
NO. 8362
EXP. 5/31/19
STATE OF CALIFORNIA

Date: 2-13-2019

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FIGURES

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FIGURE 4 SOIL SAMPLE LOCATIONS NORTHEASTERN PORTION OF CAMPUS

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APPENDIX E LABORATORY ANALYTICAL REPORTS

ACRONYMS

Addendum	Preliminary Environmental Assessment-Work Plan Addendum
AIN	Assessors Identification Number
bgs	below ground surface
DOGGR	Department of Conservation of Oil, Vapor and Geothermal Resources
DTSC	Department of Toxic Substances Control
EDR	Environmental Data Resources
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
ft	feet
kg/dl	kilograms per deciliter
IDW	investigation derived waste
LAUSD	Los Angeles Unified School District
MDL	Method Detection Limit
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
OCP	Organochlorine Pesticides
OEHS	Office of Environmental Health and Safety
PCBs	Polychlorinated biphenyl's
PEA-E	Preliminary Environmental Assessment – Equivalent
PID	photoionization detector
p/L	picocuries per liter
ppm	parts per million
PQL	Practical Quantitation Limit
PSL	Preliminary Screening Level
RCRA	Resource Conservation and Recovery Act
RECs	Recognized Environmental Conditions
RFP	Request for Proposal
Report	Preliminary Environmental Assessment – Equivalent Report
Site	John F. Kennedy Senior High School
STLC	Soluble Threshold Limit Concentration
TPH	Total Petroleum Hydrocarbons
ug/L	micrograms per liter
USEPA	United State Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds
Work Plan	Preliminary Environmental Assessment – Equivalent Work Plan

EXECUTIVE SUMMARY

This *Preliminary Environmental Assessment – Equivalent Report* (Report) documents the results of soil sampling and laboratory analyses for the proposed seismic retrofit and infrastructure improvement project at John F. Kennedy Senior High School (Site) in Granada Hills. The Site is located at 11254 Gothic Avenue in Granada Hills, California 91344. This report has been prepared for the Los Angeles Unified School District (LAUSD) to present a summary of the sampling and analyses activities conducted for the proposed project area on the school campus.

The Preliminary Environmental Assessment-Equivalent (PEA-E) was conducted by Parsons as requested by the LAUSD's Office of Environmental Health and Safety (OEHS) based on their review of the Geosyntec Consultants *Technical Memorandum, Preliminary Environmental Assessment – Equivalent Work Plan Kennedy High School* (Geosyntec, 2018) and Parson's *Addendum to the Technical Memorandum for Preliminary Environmental Assessment – Equivalent Workplan* (Parsons, 2018). It was also conducted in accordance with applicable regulatory guidance, including the *Preliminary Endangerment Assessment Guidance Manual* prepared by the California Department of Toxic Substances Control (DTSC).

LAUSD is planning on modernizing the Site in a three-phased construction/remodeling program. As part of this redevelopment, the existing portable classroom buildings (bungalows) will be removed and existing permanent buildings will be remodeled to meet current building standards. This Report documents the efforts conducted to characterize potential environmental impacts present in soil near existing structures in the proposed project areas. The objective of the work was to evaluate potential soil impacts in shallow soil in the proposed project area. Based on the age of the buildings it is possible that arsenic, lead, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), pesticides and polychlorinated biphenyls (PCBs) may be present in shallow soil. **Figure 2** is a detailed site map of the high school.

Soil samples were collected from 41 initial boring locations at depths of 0 to 0.5-, 1.5 to 2.0-, and 2.5 to 3-feet (ft) below ground surface (bgs). Soil from the 41 initial borings was analyzed for lead, arsenic and organochlorine pesticides (OCPs). The samples at 2.0- and 3.0-ft bgs were placed on hold at the analytical laboratory pending the results of the 0.5-ft sample. Soil from 10% of the initial samples collected at 0.5-ft bgs was analyzed for polychlorinated biphenyls (PCBs). Soil from three (3) borings located in areas where volatile organic compounds (VOCs) may have been stored were analyzed for total petroleum hydrocarbons (TPH) and VOCs to a maximum depth of 0.5-ft bgs. After a review of the soil analytical data from the 41 borings, step-out borings were selected at one of the initial boring locations and analyzed for lead and OCPs.

The following conclusions were derived from the soil sampling and analyses conducted at the John F. Kennedy Senior High School:

- The concentrations of arsenic in the samples analyzed from the 41 borings at 0.5-ft bgs were below the preliminary screening level (PSL) of 12 milligrams per kilogram (mg/kg).

- The concentrations of PCBs in the samples analyzed from the four borings (representing approximately 10% of the 41 soil samples collected at 0.5-ft bgs) were below their respective PSLs.
- The concentrations of TPH and VOCs in the samples analyzed from the three borings in the areas where TPH and or VOC containing materials may have been stored were below their respective PSLs.
- The concentrations of OCPs in the samples collected at 0.5 ft bgs from the 41 boring locations were below their respective PSLs, with the exception of 4,4'-DDE which was detected above the PSL of 2,000 micrograms per kilogram (ug/kg) at sample location SS-8. The step-down samples at 2.0-ft bgs and 3.0-ft bgs vertically delineated 4,4'-DDE at sample location SS-8. SS-8 was laterally delineated 5-ft east, south and northwest of the initial boring location for 4,4'-DDE in 0.5 ft bgs samples at SS-8-E5, SS-8-S5, and SS-8-NW5, respectively.
- The concentrations of lead in the samples analyzed from the 0.5 ft bgs samples were below the PSL (80 mg/kg) in 40 of the 41 boring locations. Lead concentrations above the PSL of 80 mg/kg were only detected at one sample location (SS-8). The step-down samples at 2.0-ft bgs and 3-ft bgs vertically delineated lead at sample location SS-8. SS-8 was laterally delineated 5-ft east, south and northwest of the initial boring location for lead in 0.5 ft bgs samples at SS-8-E5, SS-8-S5, and SS-8-NW5, respectively. The STLC result for SS-8 at 0.50-ft bgs did not exceed the 5 milligram per liter (mg/L) threshold used by the State of California to define a waste as non-Resource Conservation and Recovery Act (RCRA) hazardous.
- An estimated 1.9 cubic yards of soil are impacted by lead and 4,4-DDE above their PSL.

The following recommendation is based on the above conclusions:

- Shallow soil impacted by lead and 4,4-DDE above their PSL should be removed and properly disposed of. The soil can be managed as a non-hazardous waste.

1.0 INTRODUCTION

This *Preliminary Environmental Assessment – Equivalent Report* (Report) documents the results of soil sampling and laboratory analyses for the proposed seismic retrofit and infrastructure improvement project at John F. Kennedy Senior High School (Site) in Granada Hills. The Site is located at 11254 Gothic Avenue in Granada Hills, California 91344 (**Figure 1**). This report has been prepared for the Los Angeles Unified School District (LAUSD) to present a summary of the sampling and analyses activities conducted for the proposed project area on the school campus.

The Preliminary Environmental Assessment-Equivalent (PEA-E) was conducted as requested by the LAUSD's Office of Environmental Health and Safety (OEHS) based on their review of the Geosyntec Consultants *Technical Memorandum, Preliminary Environmental Assessment – Equivalent Work Plan Kennedy High School*, dated August 20, 2018 (Geosyntec, 2018) and Parson's *Addendum to the Technical Memorandum for Preliminary Environmental Assessment – Equivalent Workplan*, dated November 5, 2018 (Parsons, 2018). It was also conducted in accordance with applicable regulatory guidance, including the *Preliminary Endangerment Assessment Guidance Manual* prepared by the California Department of Toxic Substances Control (DTSC).

1.1 OBJECTIVES

LAUSD is planning on modernizing the Site in a three-phased construction/remodeling program. As part of this modernization, the existing portable classroom buildings (bungalows) will be removed and existing permanent buildings will be remodeled to meet current building standards. This Report documents the efforts conducted to characterize potential environmental impacts present in soil near existing structures in the proposed project areas. The objective of the work was to evaluate potential soil impacts in shallow soil in the proposed project area. Based on the age of the buildings it is possible that arsenic, lead, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), pesticides and polychlorinated biphenyls (PCBs) may be present in shallow soil. **Figure 2** is a detailed site map of the high school.

1.1 SCOPE OF WORK

The PEA-E scope of work consisted of the following:

- Revision of the Technical Memorandum, Preliminary Environmental Assessment Work Plan (Work Plan) (Geosyntec, 2018) based on the OEHS request for proposal (RFP), the preliminary Site walk conducted with OEHS and the project team meeting.

- Preparation and distribution of an English and Spanish fieldwork notice. The fieldwork notice was distributed to line-of-sight neighbors, faculty, parents of John F. Kennedy Senior High School students, properties within 500 feet of the school perimeter and posted on the school fence line.
- Preparation of a Site-Specific Health and Safety Plan.
- Notification of the planned subsurface investigation to DigAlert. Boring locations were marked in the field using chalk-based paint and a geophysical survey was conducted prior to advancement of soil borings.
- Implementation of the Geosyntec Work Plan and Parsons Addendum to the Work Plan as follows:
  - Completion of 41 soil borings (SS-1 through SS-41) to a maximum depth of three (3)-feet (ft) below ground surface (bgs) to evaluate potential impacts in shallow soil from lead-based paint, arsenic and OCPs near Site buildings in the project area. The 0.5-ft depth soil sample was analyzed and the step-down samples at 2.0-ft and 3.0-ft were placed on hold at the analytical laboratory.
  - Soil in borings located near electrical transformers or switch gear (SS-8, SS-9, SS-32 and SS-34) was also analyzed for PCBs.
  - In areas where TPH and or VOCs may have been stored (SS-10 through SS-12), soil was also analyzed for VOCs and TPH.
  - Soil samples (SS-10 through SS-12) were screened using a photoionization detector (PID).
- Preparation of the PEA-E Report.

2.0 SUMMARY OF SITE BACKGROUND

2.1 SITE DESCRIPTION

The Site is located at 11254 Gothic Avenue, Granada Hills, CA 91344. The campus is bound to the south by residential and commercial properties, Gothic Avenue to the west, Simonds Street to the north, and Woodley Avenue to the east (**Figure 1**). The property is identified by the Los Angeles County Assessor's office with Assessor's Identification Numbers (AIN) 2681-10-909/2681-10/2681-10-911. The school was established between 1969 and 1970.

The Site consists of three parcels that are near rectangular with a total usable lot size of approximately 27.7 acres (Geosyntec, 2018). An adult continuation school and John F. Kennedy Senior High School currently occupy the Site (**Figure 2**). The school area consists of 24 permanent structures, 25 portable buildings, two baseball fields, a combination track and field/football field, five tennis courts, six basketball courts, and two parking lots (Geosyntec, 2018).

2.2 SITE BACKGROUND

The results of the historical research for the Site conducted by Geosyntec indicate that the Site consisted of agricultural land until 1952. The western half of the Site was developed as single-family residences between 1952 and 1963. The remainder of the Site was used for agricultural activities. The school was constructed within the current property limits between 1969 and 1970 (Geosyntec, 2017). The Site vicinity is primarily occupied by single-family residential structures to the west and east of the Site, a high-tension power transmission easement with single family and multi-family dwellings to the north, and residential structures and a commercial shopping center to the south (**Figure 2**).

2.3 PHASE 1 ENVIRONMENTAL SITE ASSESSMENT (2017)

A Phase 1 Environmental Site Assessment (ESA) was performed at the Site by Geosyntec in 2017. The ESA included a review of the physical setting and background information, a site reconnaissance to visually observe Site conditions, a review of regulatory agency databases (federal, state, tribal and local), an Environmental Data Resources (EDR) standard environmental database search report, historical research (aerial photographs, topographic maps, Sanborn maps, building department records, etc.), and an interview with the property owner representative regarding the environmental status of the Site. The ESA identified the following recognized environmental condition (REC): "during the site visit based on the warning labels posted on the pipelines, asbestos containing insulation materials were encountered over chilled water pipelines" (Geosyntec, 2017). The ESA did not include any recommendations.

2.4 PEA-E WORK PLAN TECHNICAL MEMORANDUM (2018)

A technical memorandum PEA-E Work Plan (Work Plan) was prepared by Geosyntec in 2018 to characterize potential environmental impacts present in Site soils near existing structures in the proposed project area. Based on the age of the buildings it is possible that arsenic, lead, TPH, VOCs, pesticides and PCBs may be present in shallow soil (Geosyntec, 2018). The Work Plan was approved by LAUSD and is presented in **Appendix A**.

2.5 PEA-E WORK PLAN TECHNICAL MEMORANDUM ADDENDUM (2018)

A technical memorandum PEA-E Work Plan Addendum (Addendum) was prepared by Parsons in 2018 after a Site visit with the project team and a subsequent meeting was conducted to discuss potential modifications to the Work Plan. The Addendum was approved by LAUSD and is presented in **Appendix B**.

3.0 ENVIRONMENTAL SETTING

The information presented in this section provide environmental setting information, including the topographic, geologic, and hydrogeologic characteristics of the subject property and surrounding area.

3.1 REGIONAL PHYSIOGRAPHIC SETTING

3.1.1 Topographic Setting

According to the 2018 United States Geological Survey (USGS) 7.5-minute series San Fernando Quadrangle, the approximate center of the school has a latitude (North) of 34º 16' 3" and longitude (West) of -118º 29' 12". The school elevation is on average approximately 960 feet above mean sea level. The subject school property is essentially flat, with a slight surface gradient toward the south/southeast.

3.1.2 Nearest Surface Water Body

The nearest surface water body to the school is the Lower Van Norman Lakes Reservoir, which is approximately 1.2 miles north of the subject school property. The reservoir drains to the south and is channelized beneath the surface of the school property. Additionally, the confluence of the channel and Bull Creek is present beneath the school property; this concrete channel then flows south toward the Pacific Ocean.

3.2 REGIONAL GEOLOGY

The 1991 Dibblee Geological Foundation Map DF-33 *Geologic Map of the San Fernando and North ½ Van Nuys Quadrangles* shows the school property and surrounding vicinity to be underlain with alluvium (Qa) consisting of alluvial gravel, sand and clay of valley and floodplain areas. The southern slopes of the San Gabriel Mountains are just north of the school. The school property is within the San Fernando Valley, which is a broad syncline within the western San Gabriel Mountains and eastern Santa Monica Mountains.

3.2.1 Nearest Known Earthquake Faults

The nearest fault to the school site is a concealed portion of the east–west trending Mission Hills Fault, which is approximately 0.25 miles north of the northern edge of the subject school property.

The San Fernando Valley is a roughly triangular feature within the Transverse Ranges province, a region noted for its intense and relatively young deformation (Morton and Yerkes, 1987; Donnellan et al., 1993; Wright, 1991; Yeats et al., 1994). The Transverse Ranges province is a region of north-south shortening that extends east-west across the northwest-trending San Andreas fault system. Its topographic features and geologic structure trend east-west and are most strikingly developed in the Ventura Basin. The San Fernando Valley is south of the east end of the present Ventura Basin. The Santa Monica Mountains, part of the Transverse Ranges, form the southern

margin of the San Fernando Valley. The northern margin of the San Fernando Valley is marked by a steep topographic front associated with the north-dipping Santa Susana thrust and Sierra Madre faults, part of a discontinuous, predominantly north-dipping thrust belt extending from the Santa Barbara Channel on the west to the San Bernardino Valley on the east (V.E. Langenheim, 2011).

3.2.2 Potential for Liquefaction and Landslides

According to the California Geological Survey *Earthquake Zones of Required Investigation* Map containing earthquake fault and seismic hazard zones, the northern edge of the school property is adjacent to a liquification zone. These zones are classified as "areas where historical occurrence of liquefaction, or local geological, geotechnical and groundwater conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required." The school property does not fall within an identified earthquake-induced landslide zone.

According to the City of Los Angeles Planning Department's ZIMAS interactive mapping tool (http://zimas.lacity.org) accessed on January 23, 2019, the school property is not within a potentially liquefiable zone, potential landslide area, Preliminary Fault Rupture Study Area, or an Alquist-Priolo Earthquake Fault Zone. This is based on soil type and historical depth to groundwater, not site-specific investigation.

3.2.3 Potential for Flooding

The school property is not located within a designated flood plain area, according to the Flood Insurance Rate Map #06037C1075F, dated September 26, 2008 (Prepared by the Federal Emergency Management Agency). The Site is determined to be in an area that is outside the 0.2% annual chance floodplain. The school property is not located within a designated flood zone per City of Los Angeles Planning Department's ZIMAS interactive mapping tool (http://zimas.lacity.org) accessed on January 23, 2019.

3.2.4 Radon

The California Geologic Survey's Radon Potential Zone Map (prepared for the California Department of Health Services, Environmental Health Division, for Southern Los Angeles County dated January 2005) indicates the school property is within an area estimated to have low potential for indoor radon levels above 4.0 Picocuries per liter (P/L). Radon information for Los Angeles County indicates that the United States Environmental Protection Agency (USEPA) has categorized Los Angeles County as Zone 2 for radon. A Zone 2 classification is for areas with indoor average radon levels of greater than or equal to 2 P/L, but less than or equal to 4 P/L. The USEPA radon recommended action level is 4 P/L.

3.2.5 Methane

According to the City of Los Angeles Planning Department's ZIMAS interactive mapping tool (http://zimas.lacity.org) accessed on January 23, 2019, the school property is not identified as or within a Methane Hazard Site (LAPD, 2019).

3.2.6 Oil Fields and Wells

No known oil wells are located on-Site or adjacent to the school property per State of California Department of Conservation Division of Oil, Gas, and Geothermal Resources (DOGGR) Online Mapping System (https://maps.conservation.ca.gov/doggr/wellfinder/#close). A review of the DOGGR oil well tracking maps (accessed January 23, 2019) did not identify any oil wells or natural gas fields located on the school property. The closest oil well is located more than one mile northwest of the school property, within the (former, now abandoned) Mission Oil Field.

Additionally, according to the Oil Wells, Oil Fields and Landfill Sites Map produced by the City of Los Angeles, Bureau of Engineering (2007), the school property is not located within or adjacent to a boundary of a productive oil field.

3.3 REGIONAL HYDROGEOLOGY

3.3.1 Groundwater Flow Direction

State of California's Geotracker database (accessed on January 24, 2019) nearest monitoring wells are associated with an environmental case (Target #T-0287 at 11155 Balboa Boulevard in Granada Hills), which is approximately 0.9 miles west/southwest of the school property. This case is currently in closure request phase, which is being evaluated by the Los Angeles Regional Water Quality Control Board. Depth to groundwater at their site has historically ranged from approximately 206 to 225 feet below ground surface. At their site, groundwater generally flows to the south with an estimated gradient of approximately 0.04 (1 foot per 24 feet) [Orion, 2018]. This was is an underground storage tank (UST) case that was opened in 1989. At 11501 Sepulveda Boulevard approximately 0.9 miles to the east/northeast of the school property, in 1995 during UST removal and subsequent environmental investigation, depth to water during monitoring well installation was found to be approximately 31 feet below grade (Broadbent, 1995).

3.3.2 Groundwater Wells Within a 1-Mile Radius of the School Property

The nearest groundwater well identified in the County of Los Angeles Department of Public Works production well location database (accessed January 23, 2019) is active well #4812C, located near Halsey Street and Swinton Avenue, approximately 0.25 miles north of the school property. The most recent depth to water measurement was 176.40 feet below grade, on May 28, 2015. The next nearest well is active well #4803B, which had a reported depth to water measurement of 287 feet below grade, measured on December 4, 2009. This well is located approximately one mile to the southwest of the school property, just to the northwest of the Petit Granada Hills Recreation Center.

4.0 SAMPLING ACTIVITIES AND RESULTS

4.1 SAMPLING ACTIVITIES

The following subsections summarize the field activities conducted during the soil sampling and analyses. A total of 41 initial boring locations were sampled at depths of 0 to 0.5-, 1.5 to 2.0-, and 2.5 to 3.0-ft bgs. The samples at 2.0- and 3.0-ft bgs were placed on hold with the analytical laboratory pending the results of the 0.5-ft sample. After review of the soil analytical data from the 41 borings, step-out borings were selected at one of the initial boring locations. Sampling locations are depicted on **Figures 3 - 5**.

4.1.1 NOTIFICATIONS AND PERMITTING

Prior to intrusive fieldwork, pre-field notifications to LAUSD were made. A work notice was prepared and mailed to all student residences and residences within a 500-foot radius of the school property. The work notice was provided to school staff and faculty and all residences and businesses within line-of-sight of the school where the work was being conducted. Work notices were also posted on all sides of the school perimeter fence within view from the public right-of-way. No regulatory permits were required to perform the work.

4.1.2 UTILITY CLEARANCE

The proposed soil borings were pre-marked with white paint and Underground Service Alert of Southern California (DigAlert) was notified of the proposed boring locations on November 13 and December 10, 2018, prior to initiating sampling activities. DigAlert contacted all utility owners of record within the Site vicinity and notified them of the planned subsurface investigation. All utility owners of record, or their designated agents, clearly marked the position of their utilities on the ground surface, the public right-of-way sidewalks, and street adjacent to the area designated for investigation, up to the school property line. LAUSD provided several available as-built plans depicting locations of subsurface structures and utilities which were also reviewed prior to marking the boring locations.

The proposed sampling area was surveyed by Pacific Coast Locaters, Inc. (PCL), a private utility locator on November 19, 2018, for the presence of underground utilities using geophysical methods (including ground-penetrating radar, electromagnetic utility locating, and deep search metal detector). The step-out sampling locations were surveyed by PCL on December 18, 2018. Based on the presence of several identified subsurface utilities, several of the proposed soil boring locations were relocated several feet to avoid utilities during hand augering.

4.1.3 SOIL LOGGING AND SAMPLE COLLECTION

Soil samples were collected on November 19 and 20, 2018 and step-out soil samples were collected on December 18, 2018. The asphalt or concrete was cored before samples were collected. Soil samples were collected using a hand auger at each location. Each soil sample was collected in a

manner that minimized disturbance and allowed the sample to retain as much of the original structure as possible. Soil samples were collected in new laboratory-provided glass jars, which were then placed in individual sealable plastic bags. Each sample jar was labeled individually, stored in an ice chest containing ice, and delivered to a certified laboratory with a chain-of-custody form. Soil characteristics were logged on field boring logs (**Appendix C**). Per LAUSD instruction, borings were backfilled with leftover soil cuttings and clean sand, and the top approximately four (4) inches was set with concrete flush with the existing surface.

Field screening was conducted at soil borings SS-10 through SS-12 using a PID. The PID was calibrated with 100 parts per million (ppm) isobutylene gas at the beginning of each fieldwork day. Soil was placed into a resealable bag and allowed to sit exposed to the sun for approximately five (5) minutes, at which time the VOC concentration in the headspace was measured by inserting the PID probe inside the bag. The PID readings were recorded on the boring logs prepared by the field geologist during soil sampling activities. The remaining soil borings were only screened using the PID if visual staining or odors were observed.

4.1.4 Equipment Decontamination and Investigation-Derived Waste

Down-hole equipment used during soil sampling activities was decontaminated prior to use at each sampling point to reduce the potential for cross-contamination. Reusable sampling equipment was decontaminated between each sampling location using the following procedures:

- Wash with Liquinox and brush to remove excess contaminants;
- Rinse with distilled water; and
- Rinse twice with distilled water.

Used personal protective equipment and disposable equipment was double-bagged and placed in the on-site dumpster. These wastes are not considered hazardous and were sent to a municipal landfill.

One (1) 55-gallon drum of asphalt, along with approximately 10 gallons of decontamination water, was generated during the field activities. The asphalt and decontamination water were temporarily stored onsite in properly labeled Department of Transportation-approved drums pending disposal profiling. The two drums were removed by Belshire Environmental Services, Inc. BESI on January 4, 2019. The decontamination water drum was disposed of at Demenno Kerdoon in Compton, CA and the asphalt drum was disposed of at Philadelphia Recycling Mine in Mira Loma, CA. Drum disposal documentation is provided in **Appendix D.**

4.2 Preliminary Screening Levels

Analytical results for the soil samples were compared with risk-based screening levels to determine if the analytes are present at the Site at concentrations that may represent a potential health risk. The screening levels are referred to here and after as PSLs (preliminary screening levels). For

direct exposures to soils, the DTSC's (2015a) *Preliminary Endangerment Assessment Manual* states that risk-based screening levels used should be "the USEPA Regional Screening Level (RSL) for residential land use, modified as necessary by the DTSC in HHRA Note 3." Thus, the screening levels used here are, in general, the USEPA RSLs (2018) unless DTSC (2018) has published a screening value of its own, termed the DTSC-SLs. Chemicals with special considerations are discussed in more detail below.

Arsenic: The residential risk-based screening levels from USEPA (2018) and DTSC (2018) of 0.68 and 0.11 milligrams per kilogram (mg/kg) are well below background concentrations (Chernoff et al. 2008). DTSC conducted a statistical evaluation of background data for arsenic in soils from Los Angeles, Orange, Riverside, San Bernardino, and San Diego Counties to derive an upper bound background threshold value for arsenic. Based on an evaluation of 1,086 data points, the authors derived a background threshold value for arsenic of 12 mg/kg, which is used here as the arsenic screening level.

Lead: Adverse health effects associated with exposure to lead have been correlated with concentrations of lead in whole blood. Although USEPA uses 10 micrograms per deciliter (µg/dl) as the threshold level of concern, California (OEHHA 2007) uses 1 µg/dl. A screening level of 80 mg/kg protective of a 90th percentile estimate of 1 µg/dl blood lead concentration in children was calculated by Cal EPA (OEHHA 2009), which is used by DTSC (2018). This standard represents the concentration of lead in soil that will result in a 90th percentile estimate of a 1 µg/dl increase in blood lead in the most sensitive receptor (i.e., child or fetus). DTSC (2018) states that individual samples may exceed 80 mg/kg, as long as the 95% UCL is below 80 mg/kg and hot spots are not present.

Petroleum hydrocarbons: Neither DTSC (2018) nor USEPA (2018) provide risk-based screening levels for petroleum hydrocarbons as measured by USEPA Method 8015. Instead, DTSC (2015) recommends that the risk-based screening levels derived by the San Francisco Regional Board (2016) for direct contact be used.

4.3 SOIL SAMPLING RESULTS

The soil samples were analyzed by American Environmental Testing Laboratory (AETL) in Burbank, California. Copies of the analytical laboratory reports are provided in **Appendix E**.

4.3.1 LEAD AND ARSENIC

Shallow soil samples (0.5-ft bgs) at the 41 initial boring locations (SS-1 through SS-41) along with five (5) duplicates were collected and analyzed for lead and arsenic, using Environmental Protection Agency (EPA) Method 6010B for lead and EPA Method 6020 for arsenic. Detected arsenic concentrations ranged from 1.09 mg/kg (SS-10) to 5.68 mg/kg (SS-26). Detected lead concentrations ranged from 2.63J mg/kg (SS-10) to 81.6 mg/kg (SS-8). A J Flag is an estimated

value, which is between the method detection limit (MDL) and practical quantitation limit (PQL). **Table 1** provides a summary of all the arsenic and lead results.

Based on a review of the sample results at 0.5-ft bgs there were no PSL exceedances for arsenic. The lead concentration at one shallow soil sample location (SS-8) exceeded the PSL. To bound the vertical extent of lead at SS-8 the step-down samples at 2.0-ft bgs and 3.0-ft bgs were analyzed for lead. The lead concentrations in the vertical step-down samples at SS-8 were below the PSL.

Step-out sampling for lead was conducted at boring location SS-8, approximately 5-feet east, 5-feet northwest and 5-feet south of the initial sample location. at 0.5-ft bgs. The maximum concentration of lead in the step-out samples was 30.6 mg/kg (SS-8-E), which is below the PSL of 80 mg/kg. The step-out sample locations are presented on **Figure 3.**

The lead concentration at sample location SS-8 at 0.5-ft bgs exceeded 80 mg/kg. The sample was analyzed for soluble lead by the California Soluble Threshold Limit Concentration (STLC) test method for waste characterization purposes. The STLC result for SS-8 at 0.50-ft bgs did not exceed the 5.0 milligram per liter (mg/L) threshold used by the State of California to define a waste as non-Resource Conservation and Recovery Act (RCRA) hazardous. The result of the STLC analysis is presented in **Table 1** and a copy of the analytical laboratory report is provided in **Appendix E**.

4.2.2 ORGANOCHLORINE PESTICIDES

Shallow soil samples (0.5-ft bgs) at the 41 initial boring locations (SS-1 through SS-41) along with five (5) duplicates were collected and analyzed for OCPs by EPA Method 8081A. The laboratory results indicated the only OCP detections above the practical quantitation limit (PQL) in soil samples were for 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, chlordane (total), and dieldrin. The 4,4'-DDE detection at SS-8 at 4,100 micrograms/kilogram (ug/kg) was the only OCP detection above PSLs. To bound the vertical extent of 4,4'-DDE at SS-8 the step-down samples at 2.0-ft bgs and 3.0-ft bgs were analyzed for OCPs. The 4,4'-DDE concentrations in the vertical samples at SS-8 were below the PSL. The OCP results are presented in **Table 2**.

To laterally delineate 4,4'-DDE from location SS-8, three step-out borings were completed, at approximately 5-feet east, 5-feet northwest and 5-feet south of the initial sample location. The maximum concentration of 4,4'-DDE in the 0.5-ft bgs step-out samples was 1,100 ug/kg (SS-8-E), which is below the PSL of 2,000 ug/kg. The step-out sample locations are presented on **Figure 3.**

4.2.3 PCBS

A total of four (4) shallow soil samples (0.5 ft bgs) and one (1) duplicate sample, representing 10% of the initial sample locations, were collected and analyzed for PCBs using EPA Method 8082. PCBs were detected above the PQL at only one (1) of the soil sample locations (SS-32).

The PCB detection (PCB-1248) at SS-32 (55.4 ug/kg) was below the PCB-1248 PSL of 230 ug/kg. The PCB results are presented in **Table 3**.

4.2.4 TPH

A total of three (3) shallow soil samples (0.5 ft bgs) and one (1) duplicate sample were collected and analyzed for TPH as gasoline (C4-C12), TPH as Diesel (C13-C22), and TPH as Heavy Hydrocarbons (C23-C40) by EPA Method 8015. TPH was not detected above the laboratory reporting limits in any of the samples analyzed. The analytical results are presented in **Table 4**.

4.2.5 VOCs

A total of three (3) shallow soil samples (0.5 ft bgs) and one (1) duplicate sample were collected and analyzed for VOCs by EPA Method 8260. VOCs were not detected above their respective laboratory reporting limits in any of the samples analyzed. One primary sample (SS-10) and the duplicate sample at SS-10 had laboratory J-qualifiers between the PQL and method detection limit (MDL) for benzene. As presented in **Table 5**, none of the VOC sample compounds exceeded their respective PSLs.

4.2.5 DELINEATION OF IMPACTS IN SOIL

Lead and 4,4'-DDE concentrations in soil exceeded their PSLs at one location (SS-8) at 0.5-ft bgs. The vertical extent of PSL exceedances in soil at SS-8 was delineated by analyzing the step-down samples. PSL exceedances of lead and 4,4-DDE in soil do not extend below 2.0-ft bgs at SS-8. Step-out sampling conducted at SS-8 also delineated the lateral extent of PSL exceedance in soil. An estimated 1.9 cubic yards of soil are impacted by lead and 4,4-DDE above their PSLs.

5.0 HEALTH AND SAFETY

Fieldwork was performed in accordance with the Parsons Health and Safety Plan (HASP) and the requirements of the LAUSD. A copy of the HASP was on-Site during the field activities. A tailgate safety meeting was conducted daily prior to the start of work. An Activity Hazard Analysis appropriate to each field task was reviewed and a daily toolbox meeting record was signed prior to the start of any work on-site. Subcontractor personnel were trained to meet all HASP requirements.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions were derived from the soil sampling and analyses conducted at the John F. Kennedy Senior High School:

- The concentrations of arsenic in the samples analyzed from the 41 borings at 0.5-ft bgs were below the preliminary screening level (PSL) of 12 mg/kg.
- The concentrations of PCBs in the samples analyzed from the four borings (representing approximately 10% of the 41 soil samples collected at 0.5-ft bgs) were below their respective PSLs.
- The concentrations of TPH and VOCs in the samples analyzed from the three borings in the areas where TPH and or VOC containing materials may have been stored were below their respective PSLs.
- The concentrations of OCPs in the samples collected at 0.5 ft bgs from the 41 boring locations were below their respective PSLs, with the exception of 4,4'-DDE which was detected above the PSL of 2,000 ug/kg at sample location SS-8. The step-down samples at 2.0-ft bgs and 3.0-ft bgs vertically delineated 4,4'-DDE at sample location SS-8. SS-8 was laterally delineated 5-ft east, south and northwest of the initial boring location for 4,4'-DDE in 0.5 ft bgs samples at SS-8-E5, SS-8-S5, and SS-8-NW5, respectively (**Figure 3**).
- The concentrations of lead in the samples analyzed from the 0.5 ft bgs samples were below the PSL (80 mg/kg) in 40 of the 41 boring locations. Lead concentrations above the PSL of 80 mg/kg were only detected at one sample location (SS-8). The step-down samples at 2.0-ft bgs and 3-ft bgs vertically delineated lead at sample location SS-8. SS-8 was laterally delineated 5-ft east, south and northwest of the initial boring location for lead in 0.5 ft bgs samples at SS-8-E5, SS-8-S5, and SS-8-NW5, respectively. The STLC result for SS-8 at 0.50-ft bgs did not exceed the 5.0 mg/L threshold used by the State of California to define a waste as non-Resource Conservation and Recovery Act (RCRA) hazardous.
- An estimated 1.9 cubic yards of soil are impacted by lead and 4,4-DDE above their PSL.

The following recommendation is based on the above conclusions:

- Shallow soil impacted by lead and 4,4-DDE above their PSL should be removed and properly disposed of (**Figure 3**). The soil can be managed as a non-hazardous waste.

7.0 REFERENCES

California Geological Survey, 1979, 1999. *Earthquake Fault and Seismic Hazard Zones of Required Investigation, San Fernando Quadrangle*, Jan. 1, March 25.

California Geological Survey, 2005. *Radon Potential Zone Map for Southern Los Angeles County, California. Special Report 182.*

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TABLES

TABLE 1
ANALYTICAL RESULTS FOR LEAD AND ARSENIC IN SOIL
LAUSD Kennedy High School PEA Equivalent

Sample ID	Sample Date	Sample Depth	Lead	Arsenic	STLC - Lead
	Units	ft bgs	mg/kg	mg/kg	mg/L
	Test Methods	--	6010B	6020	6010B
	Screening Levels	--	80	12	5.0
SS-1-D0.5	11/20/2018	0.5	7.09	1.74	--
SS-2-D0.5	11/20/2018	0.5	5.02	2.46	--
SS-2-D0.5D	11/20/2018	0.5	5.36	2.11	--
SS-3-D0.5	11/20/2018	0.5	5.21	2.02	--
SS-4-D0.5	11/20/2018	0.5	3.63J	2.04	--
SS-5-D0.5	11/20/2018	0.5	6.00	1.88	--
SS-6-D0.5	11/20/2018	0.5	8.76	2.65	--
SS-7-D0.5	11/20/2018	0.5	4.17J	1.52	--
SS-8-D0.5	11/20/2018	0.5	81.6	3.93	3.35
SS-8-D0.5D	11/20/2018	0.5	55	4.16	--
SS-8-D2.0	11/20/2018	2.0	4.82J	--	--
SS-8-D3.0	11/20/2018	3.0	4.18J	--	--
SS-8-NW5-D0.5	12/18/2018	0.5	2.84J	--	--
SS-8-NW5-D0.5D	12/18/2018	0.5	2.55J	--	--
SS-8-E5-D0.5	12/18/2018	0.5	30.6	--	--
SS-8-S5-D0.5	12/18/2018	0.5	16.8	--	--
SS-9-D0.5	11/20/2018	0.5	5.85	2.35	--
SS-10-D0.5	11/20/2018	0.5	3.25J	1.55	--
SS-10-D0.5D	11/20/2018	0.5	2.63J	1.09	--
SS-11-D0.5	11/20/2018	0.5	4.62J	1.51	--
SS-12-D0.5	11/20/2018	0.5	9.77	1.69	--
SS-13-D0.5	11/20/2018	0.5	4.38J	1.99	--
SS-14-D0.5	11/20/2018	0.5	3.94J	2.18	--
SS-15-D0.5	11/20/2018	0.5	6.74	2.39	--
SS-16-D0.5	11/20/2018	0.5	5.26	3.07	--
SS-17-D0.5	11/19/2018	0.5	ND<5.0	1.81	--
SS-18-D0.5	11/19/2018	0.5	8.45	1.58	--
SS-19-D0.5	11/19/2018	0.5	2.90J	2.83	--
SS-20-D0.5	11/19/2018	0.5	4.75J	2.36	--
SS-21-D0.5	11/19/2018	0.5	5.20	2.56	--
SS-22-D0.5	11/19/2018	0.5	7.46	3.23	--
SS-23-D0.5	11/19/2018	0.5	10.4	4.34	--
SS-24-D0.5	11/19/2018	0.5	5.18	2.63	--
SS-25-D0.5	11/19/2018	0.5	4.94J	3.27	--
SS-26-D0.5	11/19/2018	0.5	6.70	5.01	--
SS-26-D0.5D	11/19/2018	0.5	6.28	5.68	--
SS-27-D0.5	11/19/2018	0.5	5.48	4.25	--
SS-28-D0.5	11/19/2018	0.5	4.54J	4.29	--
SS-29-D0.5	11/19/2018	0.5	4.61J	3.47	--
SS-30-D0.5	11/19/2018	0.5	3.03J	2.62	--
SS-31-D0.5	11/19/2018	0.5	10.9	2.77	--

TABLE 1
ANALYTICAL RESULTS FOR LEAD AND ARSENIC IN SOIL
LAUSD Kennedy High School PEA Equivalent

Sample ID	Sample Date	Sample Depth	Lead	Arsenic	STLC - Lead
	Units	ft bgs	mg/kg	mg/kg	mg/L
	Test Methods	--	6010B	6020	6010B
	Screening Levels	--	80	12	5.0
SS-32-D0.5	11/19/2018	0.5	3.28J	2.51	--
SS-33-D0.5	11/19/2018	0.5	5.96	4.70	--
SS-34-D0.5	11/19/2018	0.5	5.24	3.35	--
SS-35-D0.5	11/19/2018	0.5	6.81	2.15	--
SS-36-D0.5	11/19/2018	0.5	10.2	2.73	--
SS-37-D0.5	11/19/2018	0.5	14.6	2.03	--
SS-38-D0.5	11/19/2018	0.5	3.50J	2.52	--
SS-39-D0.5	11/19/2018	0.5	3.41J	3.38	--
SS-40-D0.5	11/19/2018	0.5	4.90J	2.12	--
SS-41-D0.5	11/19/2018	0.5	ND<5.0	1.53	--
SS-41-D0.5D	11/19/2018	0.5	ND<5.0	2.11	--

ND = Not detected at or above the indicated practical quantitation limit
Yellow highlighted cell = lead value >80 mg/kg
Gray highlighted cell indicates step-out sample location
mg/kg = miligrams per kilogram
STLC = soluble threshold limit concentration
ft bgs = feet below ground surface
J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the method detection limit (MDL) and the practical quantiation limit (PQL).

Lead screening level based on Department of Toxic Substances Control (DTSC) The Human and Ecological Risk Office (HERO) Human Health Risk (DTSC. 2013a. Human Health Risk Assessment (HHRA) Note Number 3. Office of Human and Ecological Risk. May 21, 2013.)

Arsenic screening level based on DTSC determination of Southern California Regional Background Arsenic Concentration in soil (DTSC. 2008. Determination of a Southern California Regional Background Arsenic Concentration in Soil. G. Chernof, B. Bosan, and D

TABLE 2
ANALYTICAL RESULTS FOR ORGANOCHLORINE PESTICIDES IN SOIL
LAUSD Kennedy High School PEA Equivalent

Sample ID	Sample Collection Date	Depth (ft below grade)	4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane (total)	Dieldrin	Other OCPs
		RSL*	1900	2000	1900	440	34	--
		Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
SS-1-D0.5	11/20/2018	0.5	ND<2.0	4.08	ND<2.0	ND<2.0	ND<2.0	ND
SS-2-D0.5	11/20/2018	0.5	2.58	27.4	7.26	2.01	1.86J	ND
SS-2-D0.5D	11/20/2018	0.5	1.06J	13.9	2.26	1.41J	ND<2.0	ND
SS-3-D0.5	11/20/2018	0.5	1.56J	28.4	4.66	1.72J	2.17	ND
SS-4-D0.5	11/20/2018	0.5	8.13	95.0	44.6	32.2	10.2	ND
SS-5-D0.5	11/20/2018	0.5	4.62	38.9	ND<2.0	6.55	7.64	ND
SS-6-D0.5	11/20/2018	0.5	3.93	45.1	7.30	4.40	10.5	ND
SS-7-D0.5	11/20/2018	0.5	ND<2.0	2.02	ND<2.0	2.13	1.53J	ND
SS-8-D0.5	11/20/2018	0.5	8.3	**4,110**	18.5	10.4	6.49	ND
SS-8-D0.5D	11/20/2018	0.5	2.70	**2,650**	9.16	4.19	ND<2.0	ND
SS-8-D2.0	11/20/2018	2.0	ND<1.0	64.0	2.29	ND<1.0	ND<1.0	ND
SS-8-D3.0	11/20/2018	3.0	ND<1.0	3.50	3.15	ND<1.0	ND<1.0	ND
SS-8-NW5-D0.5	12/18/2018	0.5	ND<2.0	3.72	3.08	1.08J	1.05J	ND
SS-8-NW5-D0.5D	12/18/2018	0.5	ND<2.0	3.31	2.84	1.72J	1.32J	ND
SS-8-E5-D0.5	12/18/2018	0.5	11.0	1,100	81.5	5.17	5.78	ND
SS-8-S5-D0.5	12/18/2018	0.5	6.28	841	46.7	2.27	1.78J	ND
SS-9-D0.5	11/20/2018	0.5	3.34	35.1	15.9	2.62	1.90J	ND
SS-10-D0.5	11/20/2018	0.5	ND<2.0	2.42	2.00	ND<2.0	ND<2.0	ND
SS-10-D0.5D	11/20/2018	0.5	ND<2.0	6.07	3.25	ND<2.0	ND<2.0	ND
SS-11-D0.5	11/20/2018	0.5	1.80J	33.3	4.26	2.52	4.42	ND
SS-12-D0.5	11/20/2018	0.5	5.18	38.2	20.9	6.23	7.31	ND
SS-13-D0.5	11/20/2018	0.5	1.58J	9.74	6.88	27.0	3.7	ND
SS-14-D0.5	11/20/2018	0.5	ND<2.0	1.88J	2.82	5.69	1.46J	ND
SS-15-D0.5	11/20/2018	0.5	1.17J	5.53	7.63	3.92	2.38	ND
SS-16-D0.5	11/20/2018	0.5	ND<2.0	ND<2.0	1.26J	ND<2.0	ND<2.0	ND
SS-17-D0.5	11/19/2018	0.5	2.84	15.1	10.0	2.13	ND<2.0	ND
SS-18-D0.5	11/19/2018	0.5	1.32J	12.6	20.4	3.33	2.22	ND
SS-19-D0.5	11/19/2018	0.5	4.20	51.7	31.4	5.64	4.96	ND
SS-20-D0.5	11/19/2018	0.5	ND<2.0	16.2	ND<2.0	4.83	1.90J	ND
SS-21-D0.5	11/19/2018	0.5	ND<10	6.47J	5.94J	5.73J	ND<10	ND
SS-22-D0.5	11/19/2018	0.5	6.69	46.1	46.0	9.46	5.30	ND
SS-23-D0.5	11/19/2018	0.5	1.67J	99.0	16.3	7.23	3.38	ND
SS-24-D0.5	11/19/2018	0.5	2.10	24.0	9.92	3.23	3.89	ND
SS-25-D0.5	11/19/2018	0.5	3.46	36.8	38.8	7.90	3.21	ND
SS-26-D0.5	11/19/2018	0.5	2.99	75.7	24.3	13.6	7.68	ND
SS-26-D0.5D	11/19/2018	0.5	2.99	88.6	33.7	15.1	8.57	ND
SS-27-D0.5	11/19/2018	0.5	2.24	9.76	19.7	6.38	5.35	ND
SS-28-D0.5	11/19/2018	0.5	2.00	24.3	17.1	8.76	7.48	ND
SS-29-D0.5	11/19/2018	0.5	1.64J	28.5	33.4	6.63	2.86	ND
SS-30-D0.5	11/19/2018	0.5	ND<2.0	2.55	ND<2.0	4.38	1.70J	ND
SS-31-D0.5	11/19/2018	0.5	2.60	145	8.92	3.47	ND<2.0	ND
SS-32-D0.5	11/19/2018	0.5	ND<2.0	5.9	ND<2.0	1.26J	ND<2.0	ND
SS-33-D0.5	11/19/2018	0.5	6.46	65.1	52.2	7.97	3.77	ND
SS-34-D0.5	11/19/2018	0.5	ND<2.0	71.2	9.34	2.29	1.21J	ND
SS-35-D0.5	11/19/2018	0.5	3.00	10.3	9.83	1.19J	ND<2.0	ND

TABLE 2
ANALYTICAL RESULTS FOR ORGANOCHLORINE PESTICIDES IN SOIL
LAUSD Kennedy High School PEA Equivalent

Sample ID	Sample Collection Date	Depth (ft below grade)	4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane (total)	Dieldrin	Other OCPs
		RSL*	1900	2000	1900	440	34	--
		Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
SS-36-D0.5	11/19/2018	0.5	ND<2.0	11.9	6.05	3.13	ND<2.0	ND
SS-37-D0.5	11/19/2018	0.5	1.94J	202	13.7	3.41	ND<2.0	ND
SS-38-D0.5	11/19/2018	0.5	1.55J	5.26	7.93	6.53	2.67	ND
SS-39-D0.5	11/19/2018	0.5	1.10J	6.47	4.14	3.09	1.80J	ND
SS-40-D0.5	11/19/2018	0.5	11.2	126	45.7	10.9	5.39	ND
SS-41-D0.5	11/19/2018	0.5	ND<2.0	2.58	ND<2.0	ND<2.0	ND<2.0	ND
SS-41-D0.5D	11/19/2018	0.5	ND<2.0	5.93	ND<2.0	ND<2.0	ND<2.0	ND

Notes:

ND = Not detected at or above the indicated practical quantitation limit

µg/kg = micrograms per kilogram

J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the method detection limit (MDL) and the practical quantiation limit (PQL).

Samples analyzed by Environmental Protection Agency Method 8081A.

RSL = regional screening level

* = As recommended by DTSC (2013, 2014) guidance, the RSLs were used as screening values.

yellow highlight = value exceeds RSL

gray highlighted cell indicates step-out sample location

OCPs = Organochlorine Pesticides

ft = feet

TABLE 3
ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS IN SOIL
LAUSD Kennedy High School PEA Equivalent

Sample ID	Sample Collection Date	Depth (ft below ground surface)	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	PCB-1262	PCB-1268
		Units	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**
		RSLs	**4,100**	**200**	**170**	**230**	**230**	**240**	**240**	**--**	**--**
SS-8-D0.5	11/20/2018	0.5	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
SS-8-D0.5D	11/20/2018	0.5	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
SS-9-D0.5	11/20/2018	0.5	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
SS-32-D0.5	11/19/2018	0.5	ND<50	ND<50	ND<50	ND<50	55.4	ND<50	ND<50	ND<50	ND<50
SS-34-D0.5	11/19/2018	0.5	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50

NOTES:
ug/kg - micrograms per kilogram
PCBs = polychlorinated biphenyls analyzed by Environmental Protection Agency Method 8082
ND = Not detected at or above the indicated practical quantitation limit
Resident Soil Regional Screening Levels (RSLs) were used as screening values (USEPA, November 2018).

TABLE 4
ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS IN SOIL
LAUSD Kennedy High School PEA Equivalent

Sample ID	Sample Date	Sample Depth	TPH as Gasoline (C4-C12)	TPH as Diesel (C13-C22)	TPH as Heavy Hydrocarbons (C23-C40)
	Units	ft bgs	mg/kg	mg/kg	mg/kg
	USEPA Test Method	--	M8015G	M8015D	M8015D
	SFB RWQCB ESL (human health)	--	736	226	10,746
SS-10-0.5	11/20/2018	0.5	ND<1.0	ND<5.0	ND<5.0
SS-10-0.5D	11/20/2018	0.5	ND<1.0	ND<5.0	ND<5.0
SS-11-0.5	11/20/2018	0.5	ND<1.0	ND<5.0	ND<5.0
SS-12-0.5	11/20/2018	0.5	ND<1.0	ND<5.0	ND<5.0

NOTES:
mg/kg - miligrams per kilogram
Total petroleum hydrocarbons analyzed by United States Environmental Protection Agency Method 8015M
TPH = total petroleum hydrocarbons
ND = Not detected at or above the indicated practical quantitation limit
Showing the San Francisco Regional Water Quality Control Board (2016) risk-based direct contact screening levels
SFB RWQCB ESL = San Francisco Bay Regional Water Quality Control Board Environmental Screening Level
ft bgs = feet below ground surface
USEPA = United States Environmental Protection Agency

TABLE 5
ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS IN SOIL
LAUSD Kennedy High School PEA Equivalent

Sample ID	Sample Date	Sample Depth	Benzene	All Other VOCs
Units		**ft bgs**	**µg/kg**	**µg/kg**
USEPA Test Method		**--**	**8260B**	**8260B**
Screening Level		**--**	**330**	**--**
SS-10-0.5	11/20/2018	0.5	1.52J	ND
SS-10-0.5D	11/20/2018	0.5	1.57J	ND
SS-11-0.5	11/20/2018	0.5	ND<10	ND
SS-12-0.5	11/20/2018	0.5	ND<10	ND

NOTES:

µg/kg - micrograms per kilogram

Volatile organic compounds analyzed by United States Environmental Protection Agency Method 8260B

VOCs = Volatile organic compounds

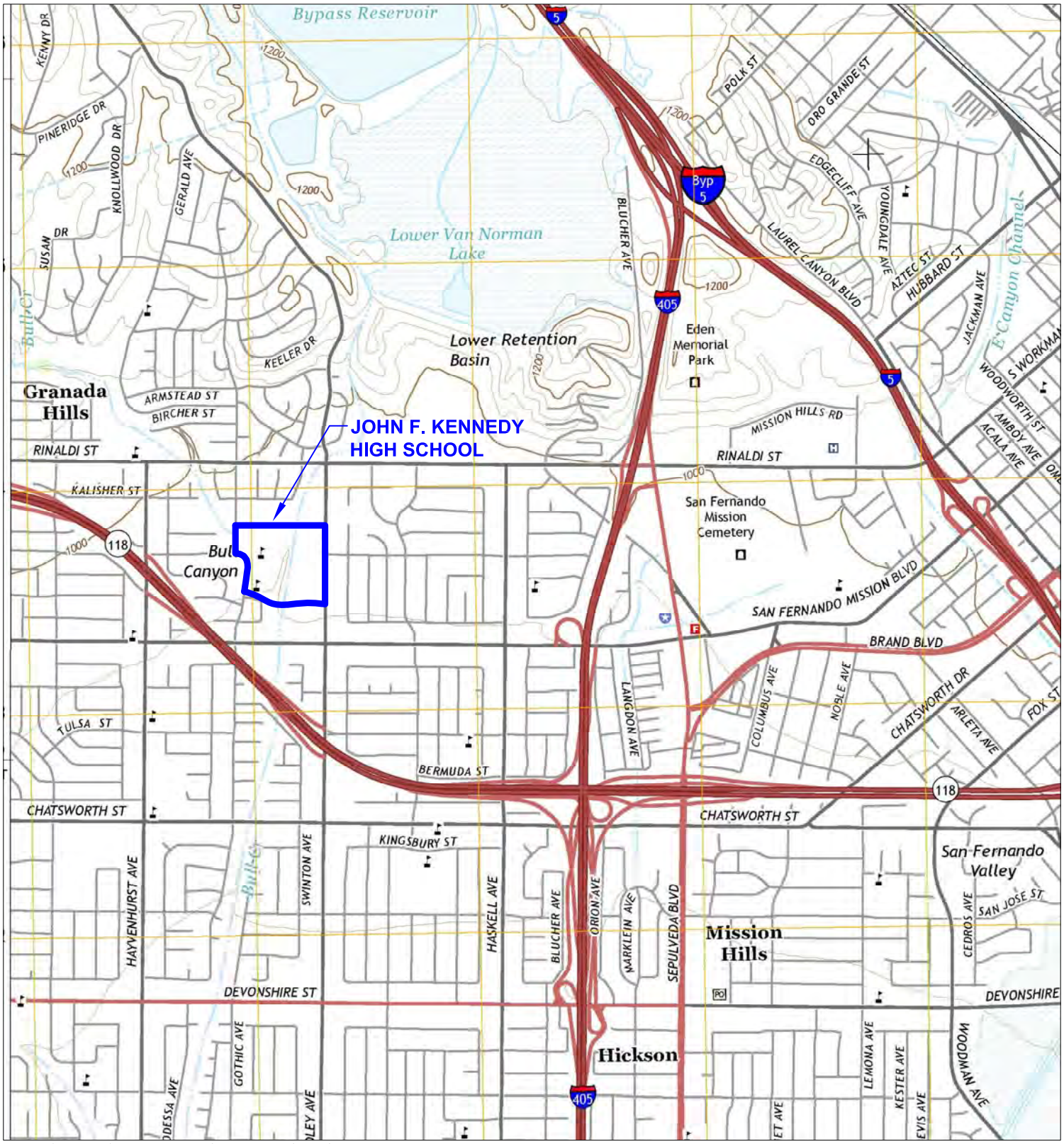
ND = Not detected at or above the indicated practical quantitation limit

Screening Levels from USEPA RSLs (2018) unless DTSC (2017) has published a screening value of its own, termed the DTSC-SLs

J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the method detection limit (MDL) and the practical quantiation limit (PQL).

ft bgs = feet below ground surface

FIGURES



Source: San Fernando Quadrangle (2015)
7.5 Minute Series USGS Map

N

1,000 0 2,000

Approximate Scale (ft)

Site Location

Figure 1

Site Location Map

LAUSD
John F. Kennedy High School
11254 Gothic Ave.,
Los Angeles, CA

PARSONS

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FIGURE 2

KENNEDY HIGH SCHOOL SITE MAP

Kennedy High School
11254 Gothic Avenue
Granada Hills, California

PARSONS

Coordinate System: Image - LA County, LARIAC3, 2011
WGS 1984 UTM Zone 11N

Feet
100 0 100 200

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FIGURE 3

SOIL AND STEP-OUT SOIL SAMPLE LOCATIONS (Northwestern Portion of Campus)

LAUSD - Kennedy High School
11254 Gothic Avenue
Granada Hills, California

LEGEND

- Soil Sample Location (Arsenic, Lead, OCPs)
- Soil Sample Location (Arsenic, Lead, OCPs, PCBs)
- Step-Out Soil Sample Location (Lead, OCPs)
- Proposed Housecleaning Excavation Area

PARSONS

Coordinate System: WGS 1984 UTM Zone 11N
Image - LA County, LARIAC3, 2011

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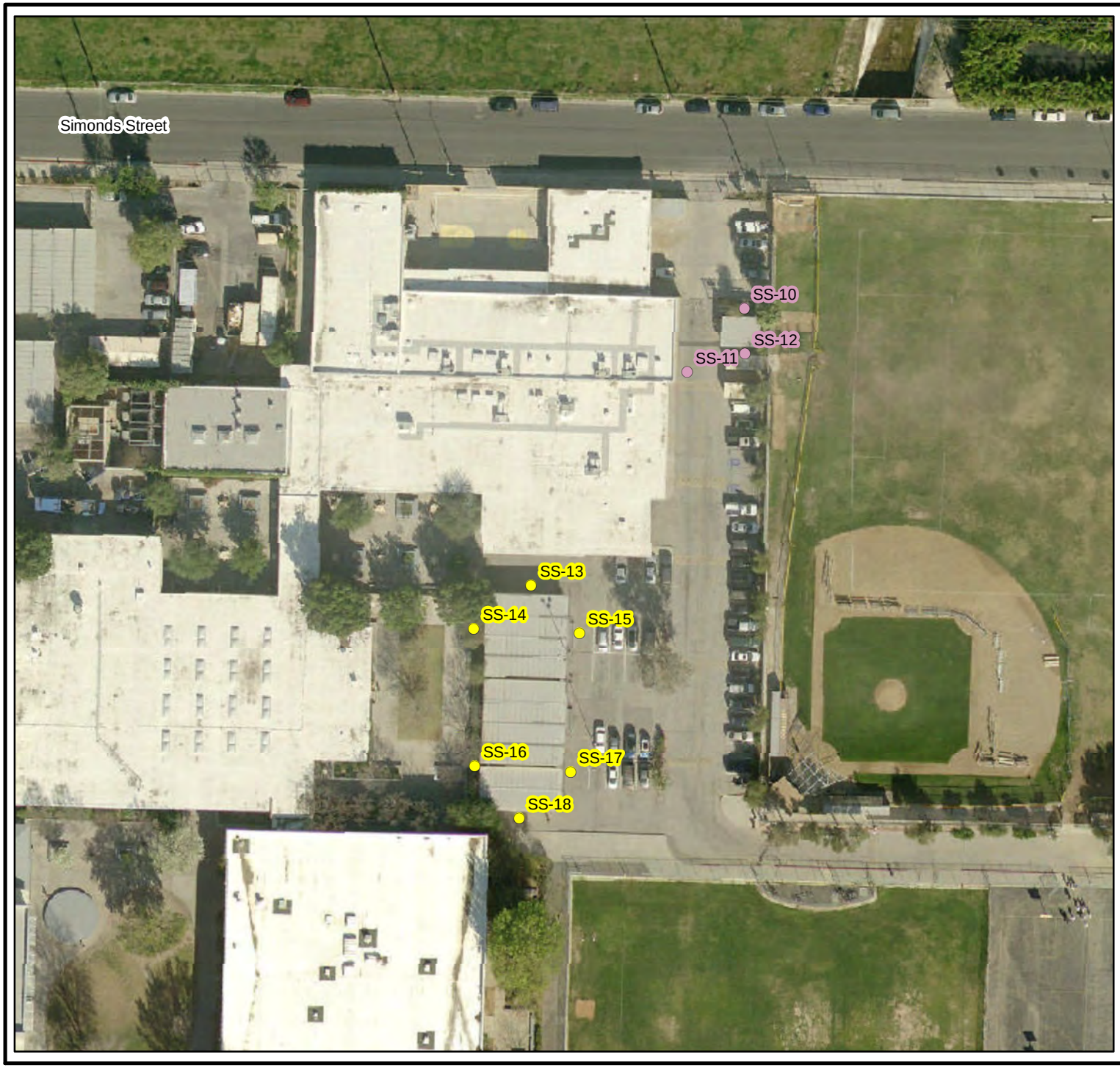

FIGURE 4

SOIL SAMPLE LOCATIONS (Northeastern Portion of Campus)

LAUSD - Kennedy High School
11254 Gothic Avenue
Granada Hills, California

LEGEND

- Soil Sample Location (Arsenic, Lead, OCPs)
- Soil Sample Location (Arsenic, Lead, OCPs, TPH, VOCs)

PARSONS

Coordinate System: WGS 1984 UTM Zone 11N

Image - LA County, LARIAC3, 2011

Feet

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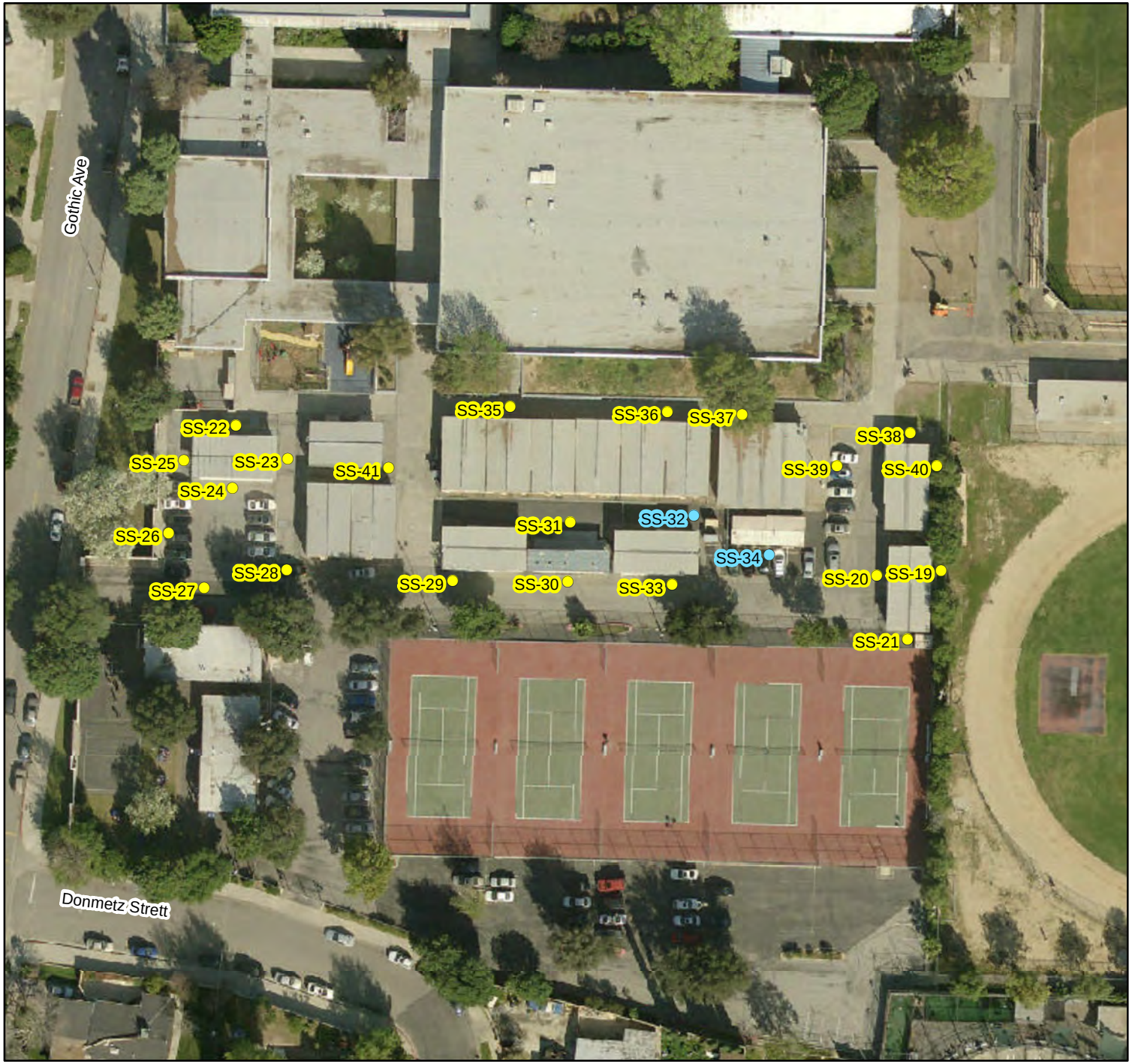

FIGURE 5

SOIL SAMPLE LOCATIONS (Southern Portion of Campus)

LAUSD - Kennedy High School
11254 Gothic Avenue
Granada Hills, California

LEGEND

- Soil Sample Location (Arsenic, Lead, OCPs)
- Soil Sample Location (Arsenic, Lead, OCPs, PCBs)

PARSONS

Coordinate System: WGS 1984 UTM Zone 11N

Image - LA County, LARIAC3, 2011

40 0 40 80 Feet

N

PATH: F:\GISCADD\projects\LAUSD_Kennedy\Mapfiles\Report\LAUSD_Kennedy_South_proposed_samples.mxd Date: 2/11/2019

APPENDIX A

Geosyntec consultants

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Technical Memorandum

Date: 20 August 2018

To: Andrew Modugno, P.G. – Los Angeles Unified School District – Office of Environmental Health and Safety

From: Ruth Custance, MPH and Kevin Coffman, P.G. - Geosyntec Consultants

Subject: Preliminary Environmental Assessment – Equivalent Work Plan
Kennedy High School
11254 Gothic Avenue
Granada Hills, California

INTRODUCTION

This Preliminary Environmental Assessment – Equivalent Work Plan (PEA-E Work Plan) has been prepared by Geosyntec Consultants (Geosyntec) for Los Angeles Unified School District (LAUSD) – Office of Environmental Health and Safety (OEHS). This PEA-E Work Plan has been developed based on the findings of the Phase I Environmental Site Assessment (Phase I ESA) [Geosyntec, 2017] prepared for the Kennedy High School located at 11254 Gothic Avenue, Granada Hills, California (Site) (**Figure 1**).

LAUSD is planning on modernizing the Site in a three-phased construction/remodeling program. As part of this redevelopment the existing portable classroom buildings will be removed and permanent buildings will be remodeled to meet current building standards. This PEA-E Work Plan is aimed at characterizing potential environmental impacts present in Site soils near existing structures.

BACKGROUND

The Site is located at 11254 Gothic Avenue, Granada Hills, California, between Gothic Avenue and Woodley Avenue and south of Simonds Street. A map showing the

location of the Site is presented as **Figure 1**. The Site is comprised of a high school and an adult continuation high school.

For further information on the site location, site use, topography, and geology/hydrogeology, please refer to the Phase I ESA [Geosyntec, 2017].

OBJECTIVES AND APPROACH

The objective of the work described herein will be to evaluate potential soil impacts in shallow soil around several bungalows at the Site. Based on the age of the buildings it is possible that arsenic, lead, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), pesticides and polychlorinated biphenyls (PCBs) may be present in shallow soil. The proposed soil sample locations are included on **Figure 2**.

SCOPE OF WORK

General

The scope of work includes the following tasks:

- Pre-field activities;
- Field investigation and laboratory analysis; and
- Data analysis and Reporting.

These tasks are described in further detail below.

Pre-Field Activities

Work Coordination and Permitting

Planning and preparation will be conducted in cooperation with Site personnel and the LAUSD-OEHS project manager. Borings will be completed around portable buildings as shown on **Figure 2**. Groundwater is not anticipated to be encountered during the shallow soil sampling activities; no drilling permits will be required from the Los Angeles County Health Department or Los Angeles County Building and Planning Department.

Health and Safety

A Health and Safety Plan (HASP) that describes potential physical and chemical hazards to field personnel will be developed prior to commencing field work. Protocols and procedures in the HASP are designed to protect field personnel, community members, students, and LAUSD staff during the implementation of field activities.

Utility Clearance

The proposed boring locations will be marked prior to commencing fieldwork. Underground Service Alert (USA, Digalert) will be notified for underground utility clearance. A subsurface geophysical survey will also be conducted at each proposed boring location to assess the presence of subsurface utilities and obstructions prior to commencing subsurface exploration and sampling.

Field Investigation

Drilling and Soil Screening

A total of approximately 43 exterior locations (SS-01 through SS-43) will be sampled (**Table 1**). Each location will be sampled at three (3) depths. Soil properties for each borehole will be logged using the Unified Soil Classification System (USCS).

The asphalt or concrete surface cover around the portable buildings will be cut and patched with cold patch asphalt or rapid set concrete, as appropriate, following sample collections. The bore holes will be back filled with granular bentonite following soil sample collections.

The soil samples will be collected from each location for laboratory testing at 0 to 6 inches, 1.5 to 2 feet, and 2.5 to 3 feet below ground surface or below the bottom of asphalt/concrete cover. The 0 to 6-inch soil samples will be composited in groups recommended in **Table 1** for Organochlorine Pesticides (OCP) testing. The soil samples will be properly preserved on ice, in coolers, and the samples will be submitted to a fixed California certified laboratory under chain of custody documentations for the following tests:

- OCPs by EPA Method 8081A (composite samples per **Table 1**),
- Arsenic by EPA Method 6020B (discrete samples), and
- Lead by EPA Method 6010B (discrete samples).

In addition, soil borings located near electrical transformers or switch gear (SS-08, SS-09, SS-32, and SS-34) or approximately 10% of the soil samples collected at 0 to 6-inches (**Table 1**) will also be analyzed for:

- Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Soil borings SS-10 through SS-12 will also be advanced in areas where TPH and or VOC containing materials may have been stored. Soil samples will be field screened with a photo ionization detector (PID) for volatile organic compounds (VOCs). Field screening will be conducted by placing soil samples in a zip-lock bag where they will be allowed to volatilize for approximately 5 minutes, and then screened with a PID. If PID readings indicate elevated VOC concentrations above background (i.e., above 5 ppm), soil samples from that location will be collected and submitted for the following additional laboratory testing:

- Total Petroleum Hydrocarbons (TPH) by EPA Method 8015M, and
- Volatile organic compounds (VOCs) by EPA Method 8260/5035.

The soil samples collected at 1.5 to 2 feet and 2.5 to 3 feet will be archived at the laboratory for further analyses pending the result of the 0 to 6-inch soil samples. If concentrations of target analytes exceed the screening levels in the 0-6-inch sample, then the 1.5-2-foot sample from the same boring will be analyzed.

Quality Assurance and Quality Control (QA/QC)

The following QA/QC procedures will be followed during sampling and analysis:

- Duplicate soil samples will be collected and analyzed by the fixed laboratory at an approximate rate of 10% of the primary samples. At a minimum, one duplicate sample will be collected during each day samples are collected.

- Samples will be transferred under chain-of-custody control and will be subject to the laboratory's conventional QA/QC analytical procedures, including method blank, laboratory control sample and sample duplicate analyses.

Analytical data will be validated according to a Level II data review and the results of the validation will be included in the PEA-E report.

Decontamination Procedures

Reusable soil sampling equipment (direct-push rods and tips, hand augers, etc.) will be washed prior to each sample collection by the "three-bucket-wash" method. Sampling equipment will be first washed in a solution of Alconox and potable water, then rinsed with potable water, and finally rinsed with distilled water and allowed to air-dry.

Investigation Derived Waste Management

Soil cuttings from the soil borings and decontamination liquids will be placed into labeled 55-gallon DOT approved drums for temporary on-Site storage. Based on investigation results, the waste will be properly profiled and classified for disposal and removed from the Site within 90 days of generation.

Data Analysis and Reporting

A report will be prepared to summarize the results of the analyses and interpret the findings. The report will include Site background and environmental setting information, field procedures, boring logs, presentation of field observations and analytical results including laboratory reports, and conclusions and recommendations.

Additionally, soil data will be used in a screening level human health risk assessment to characterize potential risks from soil exposure to students and faculty. As a conservative assessment, soil concentrations will be compared to the residential soil screening levels listed in Department of Toxic Substances Control (DTSC) Human Health Risk Assessment (HHRA), Note 3 (DTSC, 2018). If the value is not listed in DTSC HHRA Note 3, then the USEPA Regional Screening Level (RSL) for residential soil (USEPA, 2018) will be used for comparison. For arsenic, the soil concentrations will be compared to the DTSC arsenic background concentration of 12 mg/kg for southern California sites (DTSC, 2009).

Geosyntec consultants

LIMITATIONS AND SIGNATURE

This document was prepared by the staff of Geosyntec Consultants under the supervision of a geologist whose signature appears hereon. The document was prepared in accordance with generally accepted professional engineering and geologic practice. The guidance contained in this document is based solely on the analysis of the conditions, as observed by Geosyntec personnel and as reported by other named sources, at the time the work was performed.

No warranty, expressed or implied, is made regarding the professional opinions expressed in this document or concerning the completeness of the data presented to Geosyntec. If actual conditions are found to differ from those described in this document or if new information regarding the Site is obtained, Geosyntec should be notified and additional recommendations, if required, will be provided. Geosyntec is not liable for any use of the information contained in the document by persons other than LAUSD.

Ruth Custance, MPH
Senior Principal

Kevin Coffman, P.G.
Senior Geologist

REFERENCES

Department of Toxic Substances Control (DTSC), 2018. HERO Human Health Risk Assessment (HHRA) No. Number 3, DTSC-modified Screening Levels (DTSC-SLs). Office of Human and Ecological Risk (HERO). Revised June 2018.

DTSC, 2009. Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals. January 2018.

Geosyntec, 2017. Phase I Environmental Site Assessment, Kennedy High School, 11254 Gothic Avenue, Granada Hills, California, July 2017.

United States Environmental Protection Agency (USEPA), 2018. Regional Screening Levels. Revised May 2018.

ENCLOSURES

Table 1: Proposed Soil Sampling Program

Figure 1: Site Location

Figure 2: Proposed Soil Sample Locations

* * * * *

TABLE

Table 1
Proposed Soil Sampling Program
Preliminary Environmental Assessment - Equivalent Investigation
Kennedy High School
11254 Gothic Avenue, Granda Hills, California

Boring Name	Composite Sample Group for OCPs	Depth (fbg)	Sample Matrix	Analytes						Laboratory Analytical Method(s)	Comments
				Arsenic	Lead	OCPs	PCBs	TPH*	VOCs*		
			SSL	**12**	**80**	CS	CS	NA	CS		
			units	mg/kg	mg/kg						
SS-01	1	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-02		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-03		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-04	2	0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-05		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-06		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-07	3	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-08		0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-09		0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-10	4	0-0.5	soil	x	x	x		x		EPA Methods 6020, 8081, 8015M, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-11		0-0.5	soil	x	x	x		x		EPA Methods 6020, 8081, 8015M, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-12		0-0.5	soil	x	x	x		x		EPA Methods 6020, 8081, 8015M, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	

Table 1
Proposed Soil Sampling Program
Preliminary Environmental Assessment - Equivalent Investigation
Kennedy High School
11254 Gothic Avenue, Granda Hills, California

Boring Name	Composite Sample Group for OCPs	Depth (fbg)	Sample Matrix	Analytes						Laboratory Analytical Method(s)	Comments
				Arsenic	Lead	OCPs	PCBs	TPH*	VOCs*		
			SSL	**12**	**80**	CS	CS	NA	CS		
			units	mg/kg	mg/kg						
SS-13	5	0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-14		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-15		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-16	6	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-17		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-18		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-19	7	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-20		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-21		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-22	8	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-23		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-24		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	

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Boring Name	Composite Sample Group for OCPs	Depth (fbg)	Sample Matrix	Analytes						Laboratory Analytical Method(s)	Comments
				Arsenic	Lead	OCPs	PCBs	TPH*	VOCs*		
			SSL	**12**	**80**	CS	CS	NA	CS		
			units	mg/kg	mg/kg						
SS-25		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-26		0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-27	9	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-28		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-29		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-30	10	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-31		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-32		0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-33	11	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-34		0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-35		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-36	12	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	

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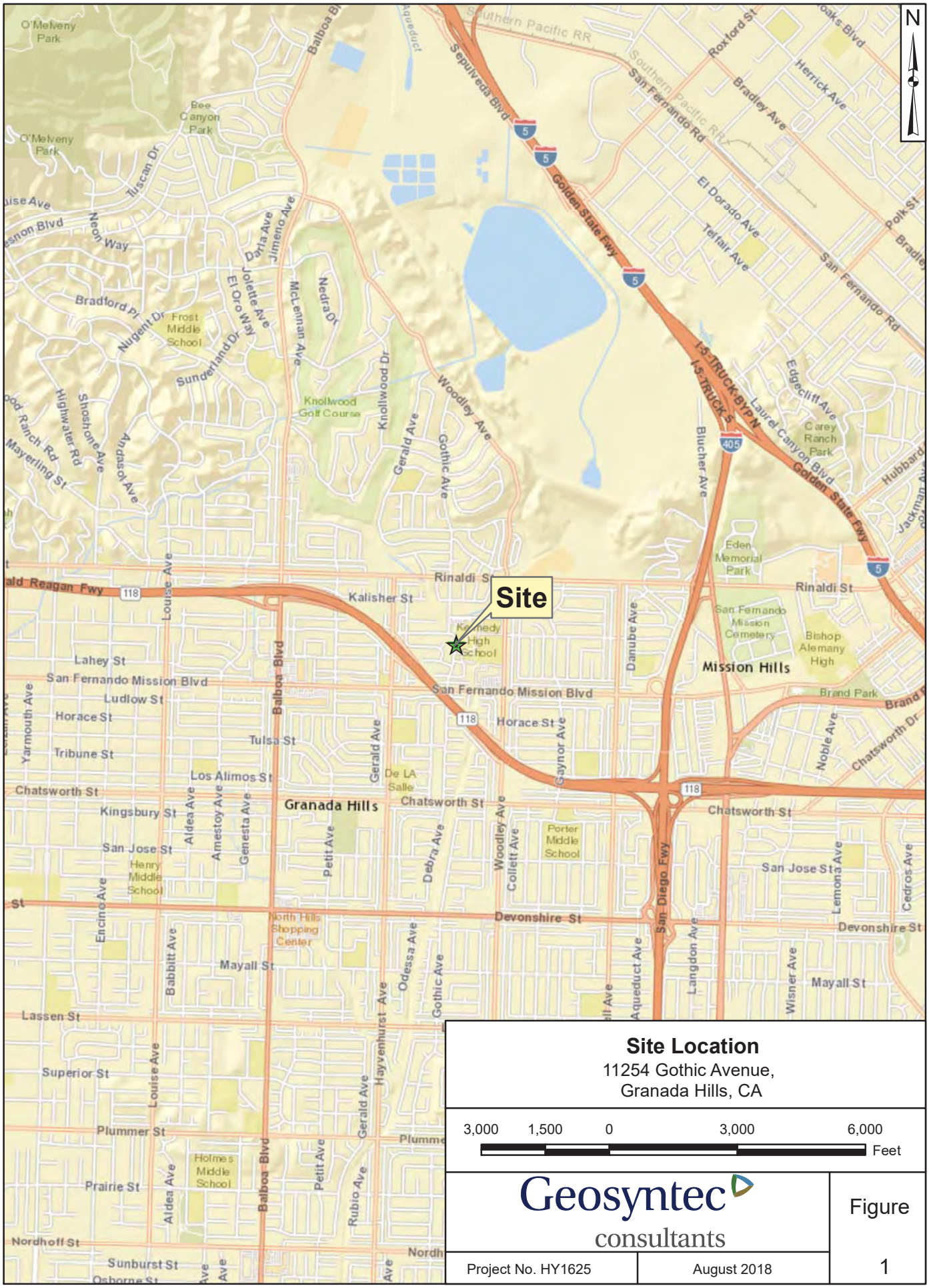
Boring Name	Composite Sample Group for OCPs	Depth (fbg)	Sample Matrix	Analytes						Laboratory Analytical Method(s)	Comments
				Arsenic	Lead	OCPs	PCBs	TPH*	VOCs*		
			SSL	**12**	**80**	CS	CS	NA	CS		
			units	mg/kg	mg/kg						
SS-37		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-38	13	0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-39		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-40		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-41	14	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-42		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-43		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
Total Composite Samples				**0**	**0**	**14**	**0**	**TBD***	**TBD***		
Total Discreet Samples				**43**	**43**	**0**	**8**	**3/TBD***	**TBD***		
Total Duplicate Samples				**4**	**4**	**2**	**2**	**TBD***	**TBD***		
Total Samples				**47**	**47**	**16**	**10**	**3/TBD***	**TBD***		

Notes:

LAUSD = Los Angeles Unified School District
fbg = Feet below grade
OCPs = Organochlorine pesticides
PCBs = Polychlorinated biphenyls
VOCs = Volatile organic compounds
mg/kg = Milligrams per kilogram
NA = Not applicable
SSL = Soil Screening Level

TPH = Total petroleum hydrocarbons
CS = Chemical specific
EPA = Environmental Protection Agency
* = TPH (except for borings SS-10-12) and VOC samples will be collected if PID readings indicate potential presence of TPH/VOCs
TBD = To be determined based on PID readings
= Discrete Samples
= Composite Group

FIGURES



Site Location
11254 Gothic Avenue,
Granada Hills, CA

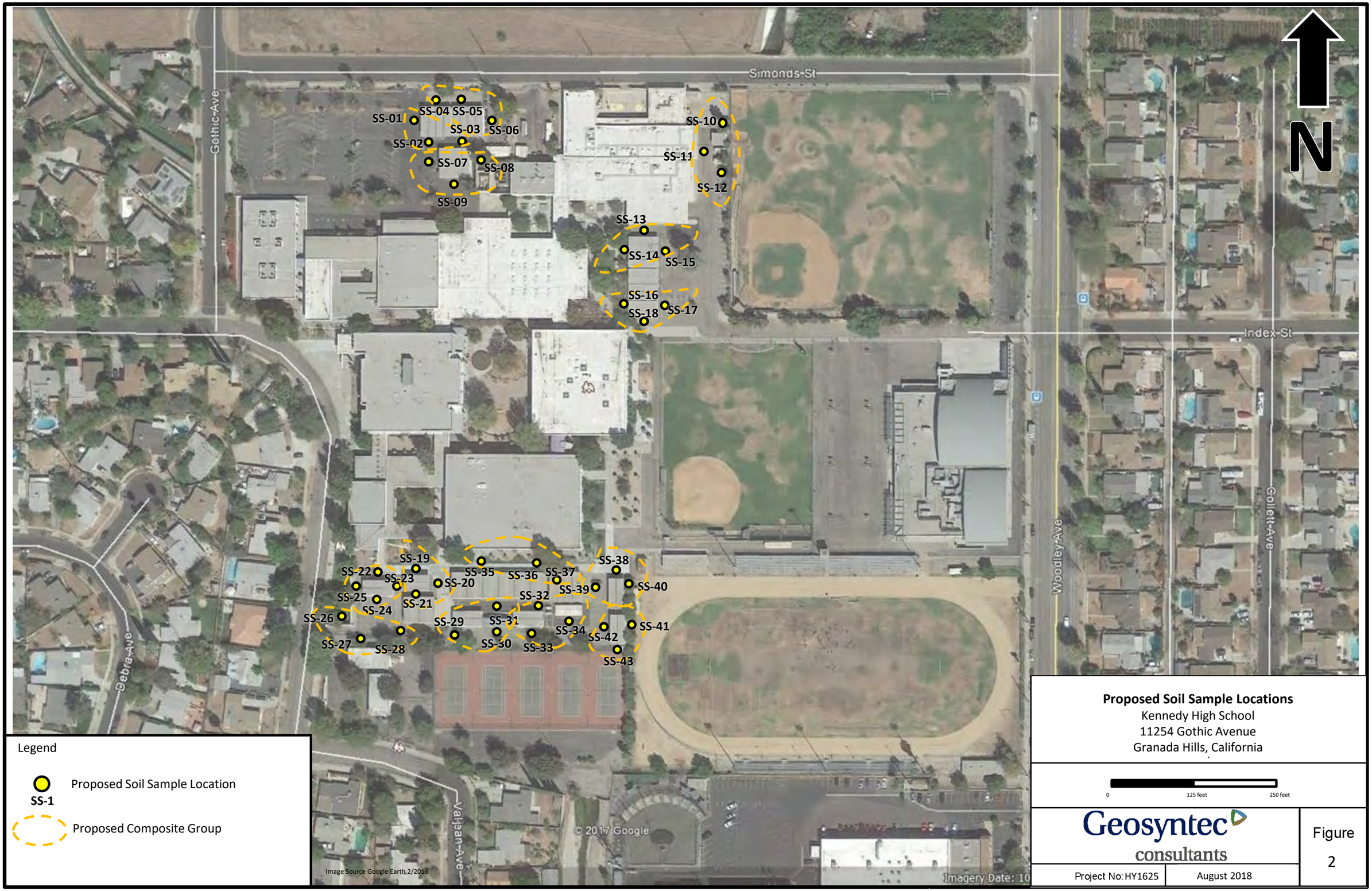
3,000 1,500 0 3,000 6,000 Feet

Geosyntec consultants

Figure 1

Project No. HY1625 | August 2018

S:\GIS\HY1625\Project\SiteMap.mxd cc 7/18/2017



Proposed Soil Sample Locations
Kennedy High School
11254 Gothic Avenue
Granada Hills, California

Geosyntec consultants

Figure 2

Project No: HY1625

August 2018

APPENDIX B

PARSONS

100 West Walnut Street • Pasadena, CA 91124 • (626) 440-2000 • Fax: (626) 440-2630 • www.parsons.com

November 5, 2018

Mr. Andrew Modugno
Los Angeles Unified School District
Office of Environmental Health and Safety
333 North Beaudry Street, 21st Floor
Los Angeles, CA 90017

Site: **John F. Kennedy High School**
11254 Gothic Avenue
Granada Hills, California, 91344

Reference: **Addendum to Technical Memorandum for Preliminary Environmental Assessment – Equivalent Workplan**

Mr. Modugno,

This technical memorandum addendum (addendum) is submitted to the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS) to document modifications to the Technical Memorandum for Preliminary Environmental Assessment – Equivalent Workplan (Workplan) prepared by Geosyntec (Geosyntec, 2018) for John F. Kennedy High School (Kennedy High School) located at 11254 Gothic Avenue, Granada Hills, California (**Figure 1**). The addendum reflects changes in the scope of work presented in Geosyntec's Workplan that were discussed during a meeting with LAUSD and Parsons personnel on October 25, 2018.

Sampling exhibits with greater detail than the original Workplan Figure 2 (Geosyntec, 2018) were prepared for use when implementing the scope of work (**Figure 2** through **Figure 5**). The Geosyntec Workplan will be implemented in the field with the exception of the following:

1. **Section: Field Investigation, Drilling and Soil Screening, Page 3** – A total of 40 exterior locations (SS-01 through SS-40) will be sampled (**Table 1**). Proposed soil sample locations SS-19, SS-20 and SS-21 were eliminated from the scope of work per LAUSD and the remaining locations were renumbered (**Figure 5**).
2. **Section: Field Investigation, Drilling and Soil Screening, Page 3** – Composite samples for Organochlorine Pesticide (OCP) will not be collected. Discreet samples will be collected at each location and analyzed by for OCPs by EPA Method 8081A (**Table 1**).
3. **Section: Field Investigation, Drilling and Soil Screening, Page 4 –** Soil borings SS-10 through SS-12 will be screened using a photoionization detector (PID) and sampled for total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) as indicated in **Table 1**.
4. **Section: Field Investigation, Drilling and Soil Screening, Page 4** – Soil borings SS-1 through SS-9 and SS-13 through SS-40 will be screened using the PID if visual staining or odors are observed. If PID readings indicate VOC concentrations above 5 parts per million

(ppm), LAUSD will be consulted to determine if TPH and VOC samples should be collected at that boring location.

5. **Section: Investigation Derived Waste Management, Page 5** – Waste characterization includes analyses of decontamination water and soil for TPH (separated into gasoline, diesel, and oil ranges) by EPA Method 8015M, CA Title 22 Metals by EPA Method 6010B/7470A, and OCPs by EPA Method 8081A.

If you have questions or comments regarding this document, please contact Peter Shair (Parsons) at 626-440-6153.

Sincerely,

Peter Shair, PG 8362

PROFESSIONAL GEOLOGIST
PETER B. SHAIR
NO. 8362
Exp. 5/31/19
STATE OF CALIFORNIA

Attachments:

Table 1 – Proposed Soil Sampling Program
Figure 1 – Site Location Map
Figures 2 through 5 – Proposed Sample Locations
Attachment 1 – Geosyntec Technical Memorandum

TABLE 1

Table 1
Proposed Soil Sampling Program
Preliminary Environmental Assessment - Equivalent Investigation
Kennedy High School

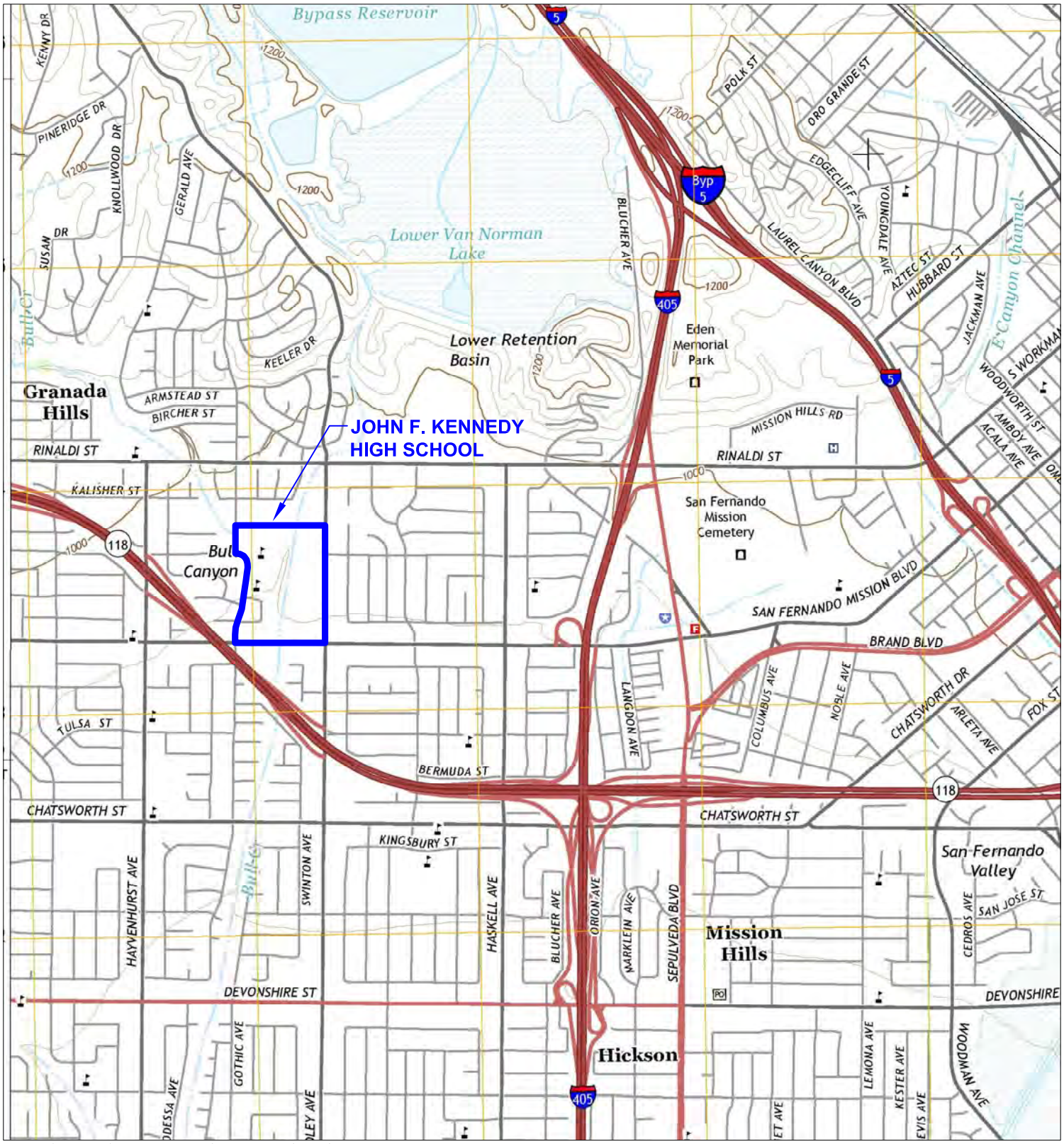
Borning Name	Sample Depth feet bgs	Analytes						Laboratory Analytical Method(s)	Comments
		Arsenic	Lead	OCPs	PCBs	TPH	VOCs		
SS-01	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-02	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-03	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-04	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-05	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-06	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-07	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-08	0-0.5	X	X	X	X			EPA Methods 6010, 6020, 8081, 8082	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-09	0-0.5	X	X	X	X			EPA Methods 6010, 6020, 8081, 8082	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-10	0-0.5	X	X	X		X	X	EPA Methods 6010, 6020, 8081, 8015cc 8260B	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-11	0-0.5	X	X	X		X	X	EPA Methods 6010, 6020, 8081, 8015cc 8260B	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-12	0-0.5	X	X	X		X	X	EPA Methods 6010, 6020, 8081, 8015cc 8260B	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-13	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-14	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-15	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-16	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-17	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-18	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-19	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-20	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-21	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-22	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-23	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-24	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-25	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-26	0-0.5	X	X	X				EPA Methods 6010B, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-27	0-0.5	X	X	X				EPA Methods 6010B, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-28	0-0.5	X	X	X				EPA Methods 6010B, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	

Table 1
Proposed Soil Sampling Program
Preliminary Environmental Assessment - Equivalent Investigation
Kennedy High School

Borning Name	Sample Depth feet bgs	Analytes						Laboratory Analytical Method(s)	Comments
		Arsenic	Lead	OCPs	PCBs	TPH	VOCs		
SS-29	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-30	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-31	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-32	0-0.5	X	X	X	X			EPA Methods 6010, 6020, 8081, 8082	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-33	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-34	0-0.5	X	X	X	X			EPA Methods 6010, 6020, 8081, 8082	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-35	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-36	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-37	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-38	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-39	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	
SS-40	0-0.5	X	X	X				EPA Methods 6010, 6020, 8081	Borings to be continuously cored, logged, sampled at 0.5-ft intervals, and advanced to a total depth of 3-feet
	1.5-2							Archive	
	2.5-3							Archive	

OCPs = Organochlorine Pesticides (8081A)
Lead (6010)
Arsenic (6020)
PCBs = Polychlorinated biphenyls (8082)
VOCs = Volatile Organic Compounds (8260B)
TPH = Total petroleum hydrocarbons (full-carbon chain by 8015M)
If odors and/or staining are observed the sample will be screened using a Photo-ionization detector

FIGURES



Source: San Fernando Quadrangle (2015)
7.5 Minute Series USGS Map

N

1,000 0 2,000

Approximate Scale (ft)

Site Location

October 2018

Figure 1

Site Location Map

LAUSD
John F. Kennedy High School
11254 Gothic Ave.,
Los Angeles, CA

PARSONS

K:\Depts\Dept48\LAUSD\MSA WORK\Kennedy HS\Figures\Figure 1 - Site Location Map.dwg

FIGURE 2

KENNEDY HIGH SCHOOL SITE MAP

Kennedy High School
11254 Gothic Avenue
Granada Hills, California

PARSONS

Coordinate System: Image - LA County, LARIAC3, 2011
WGS 1984 UTM Zone 11N

Feet
100 0 100 200

N

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FIGURE 3

PROPOSED SAMPLE LOCATIONS

Kennedy High School
11254 Gothic Avenue
Granada Hills, California

LEGEND

- Proposed Soil Sample Location (Arsenic, Lead, OCPs)
- Proposed Soil Sample Location (Arsenic, Lead, OCPs, PCBs)

PARSONS

Coordinate System: WGS 1984 UTM Zone 11N
Image - LA County, LARIAC3, 2011

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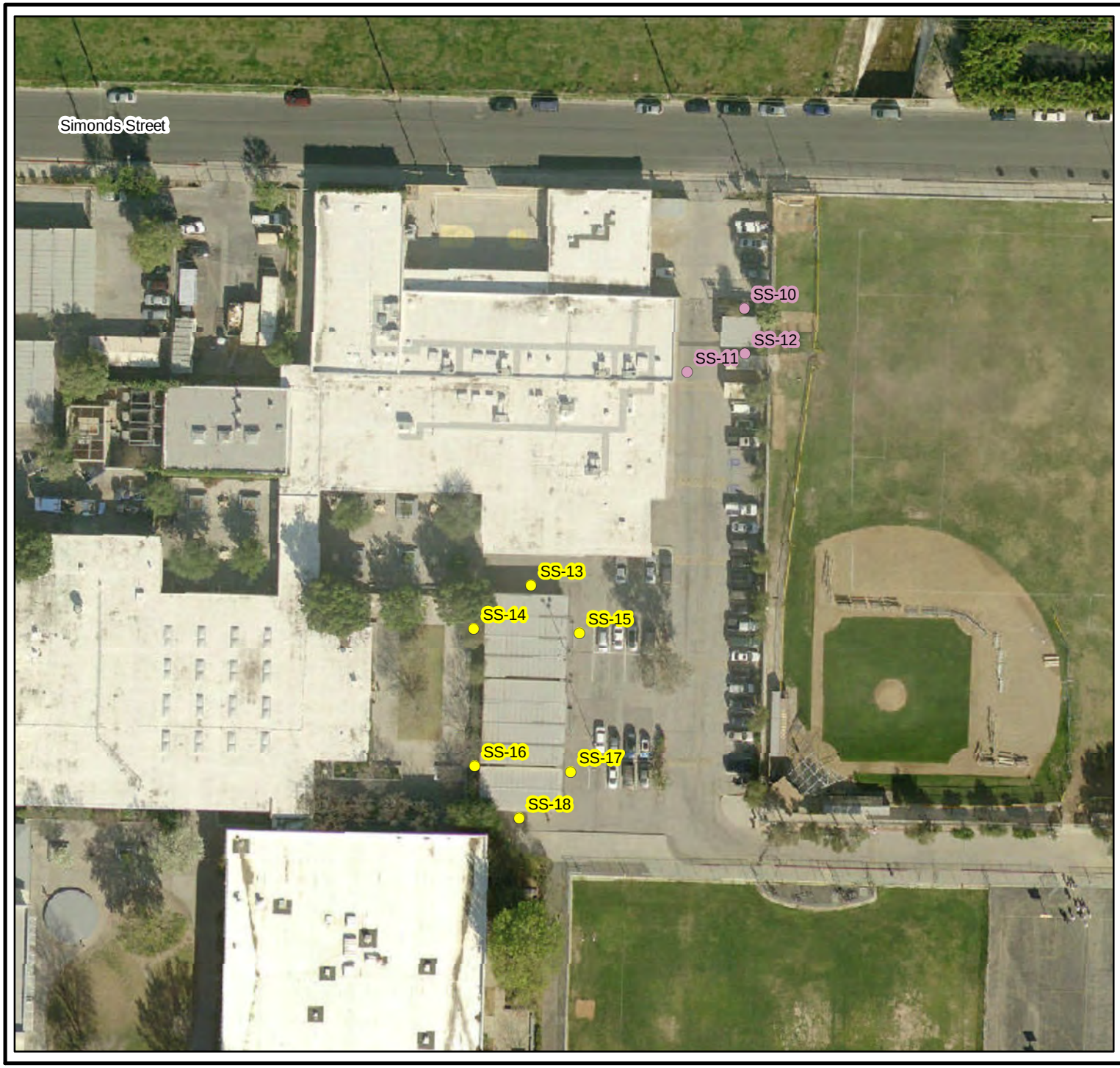

FIGURE 4

PROPOSED SAMPLE LOCATIONS

Kennedy High School
11254 Gothic Avenue
Granada Hills, California

LEGEND

- Proposed Soil Sample Location (Arsenic, Lead, OCPs)
- Proposed Soil Sample Location (Arsenic, Lead, OCPs, TPH, VOCs)

PARSONS

Coordinate System: WGS 1984 UTM Zone 11N
Image - LA County, LARIAC3, 2011

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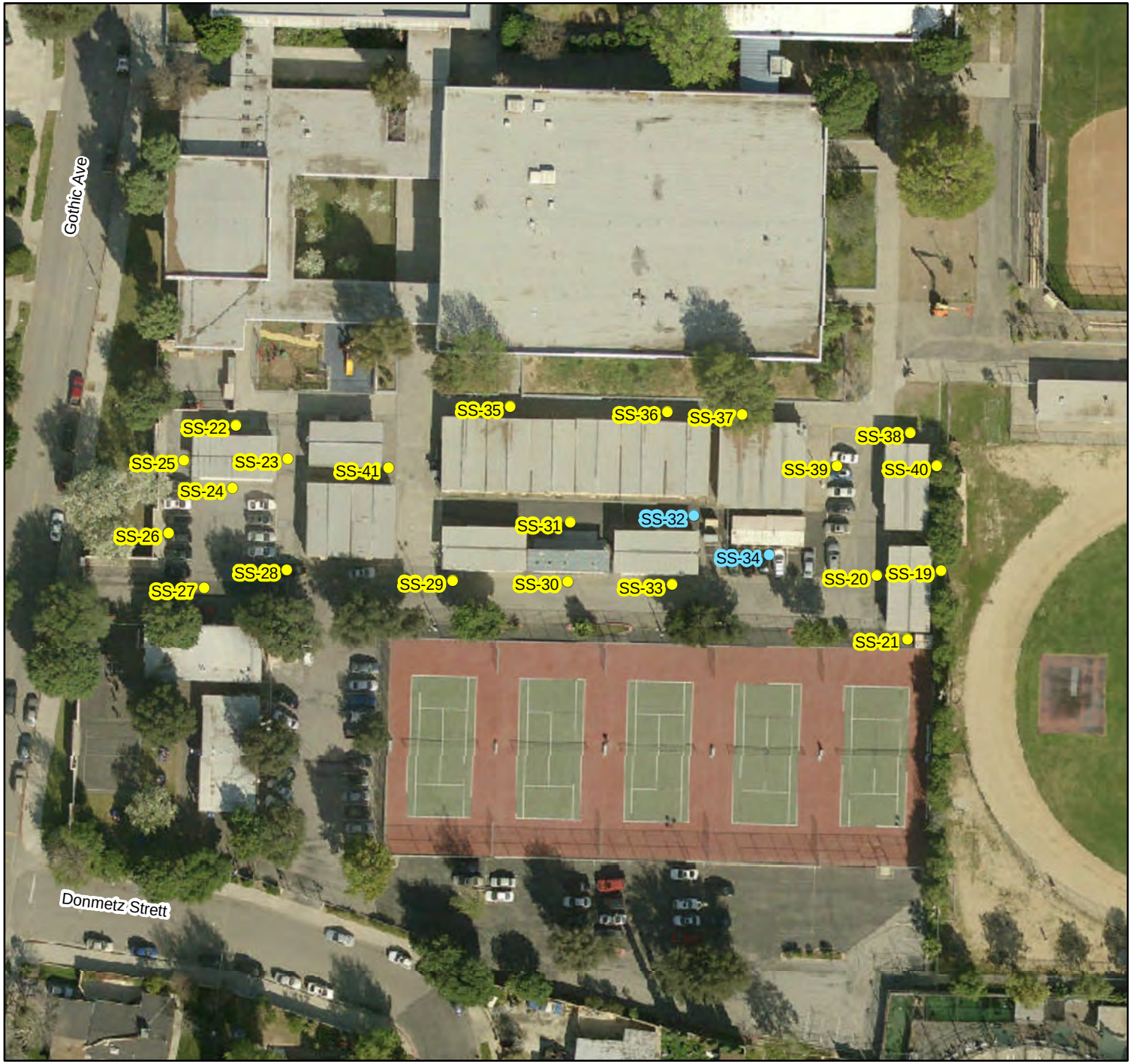

FIGURE 5

PROPOSED SAMPLE LOCATIONS

Kennedy High School
11254 Gothic Avenue
Granada Hills, California

LEGEND

- Proposed Soil Sample Location (Arsenic, Lead, OCPs)
- Proposed Soil Sample Location (Arsenic, Lead, OCPs, PCBs)

PARSONS

Coordinate System: WGS 1984 UTM Zone 11N
Image - LA County, LARIAC3, 2011

40 0 40 80 Feet

N

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APPENDIX A
Geosyntec Technical Memorandum

Geosyntec consultants

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Technical Memorandum

Date: 20 August 2018

To: Andrew Modugno, P.G. – Los Angeles Unified School District – Office of Environmental Health and Safety

From: Ruth Custance, MPH and Kevin Coffman, P.G. - Geosyntec Consultants

Subject: Preliminary Environmental Assessment – Equivalent Work Plan
Kennedy High School
11254 Gothic Avenue
Granada Hills, California

INTRODUCTION

This Preliminary Environmental Assessment – Equivalent Work Plan (PEA-E Work Plan) has been prepared by Geosyntec Consultants (Geosyntec) for Los Angeles Unified School District (LAUSD) – Office of Environmental Health and Safety (OEHS). This PEA-E Work Plan has been developed based on the findings of the Phase I Environmental Site Assessment (Phase I ESA) [Geosyntec, 2017] prepared for the Kennedy High School located at 11254 Gothic Avenue, Granada Hills, California (Site) (**Figure 1**).

LAUSD is planning on modernizing the Site in a three-phased construction/remodeling program. As part of this redevelopment the existing portable classroom buildings will be removed and permanent buildings will be remodeled to meet current building standards. This PEA-E Work Plan is aimed at characterizing potential environmental impacts present in Site soils near existing structures.

BACKGROUND

The Site is located at 11254 Gothic Avenue, Granada Hills, California, between Gothic Avenue and Woodley Avenue and south of Simonds Street. A map showing the

location of the Site is presented as **Figure 1**. The Site is comprised of a high school and an adult continuation high school.

For further information on the site location, site use, topography, and geology/hydrogeology, please refer to the Phase I ESA [Geosyntec, 2017].

OBJECTIVES AND APPROACH

The objective of the work described herein will be to evaluate potential soil impacts in shallow soil around several bungalows at the Site. Based on the age of the buildings it is possible that arsenic, lead, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), pesticides and polychlorinated biphenyls (PCBs) may be present in shallow soil. The proposed soil sample locations are included on **Figure 2**.

SCOPE OF WORK

General

The scope of work includes the following tasks:

- Pre-field activities;
- Field investigation and laboratory analysis; and
- Data analysis and Reporting.

These tasks are described in further detail below.

Pre-Field Activities

Work Coordination and Permitting

Planning and preparation will be conducted in cooperation with Site personnel and the LAUSD-OEHS project manager. Borings will be completed around portable buildings as shown on **Figure 2**. Groundwater is not anticipated to be encountered during the shallow soil sampling activities; no drilling permits will be required from the Los Angeles County Health Department or Los Angeles County Building and Planning Department.

Health and Safety

A Health and Safety Plan (HASP) that describes potential physical and chemical hazards to field personnel will be developed prior to commencing field work. Protocols and procedures in the HASP are designed to protect field personnel, community members, students, and LAUSD staff during the implementation of field activities.

Utility Clearance

The proposed boring locations will be marked prior to commencing fieldwork. Underground Service Alert (USA, Digalert) will be notified for underground utility clearance. A subsurface geophysical survey will also be conducted at each proposed boring location to assess the presence of subsurface utilities and obstructions prior to commencing subsurface exploration and sampling.

Field Investigation

Drilling and Soil Screening

A total of approximately 43 exterior locations (SS-01 through SS-43) will be sampled (**Table 1**). Each location will be sampled at three (3) depths. Soil properties for each borehole will be logged using the Unified Soil Classification System (USCS).

The asphalt or concrete surface cover around the portable buildings will be cut and patched with cold patch asphalt or rapid set concrete, as appropriate, following sample collections. The bore holes will be back filled with granular bentonite following soil sample collections.

The soil samples will be collected from each location for laboratory testing at 0 to 6 inches, 1.5 to 2 feet, and 2.5 to 3 feet below ground surface or below the bottom of asphalt/concrete cover. The 0 to 6-inch soil samples will be composited in groups recommended in **Table 1** for Organochlorine Pesticides (OCP) testing. The soil samples will be properly preserved on ice, in coolers, and the samples will be submitted to a fixed California certified laboratory under chain of custody documentations for the following tests:

- OCPs by EPA Method 8081A (composite samples per **Table 1**),
- Arsenic by EPA Method 6020B (discrete samples), and
- Lead by EPA Method 6010B (discrete samples).

In addition, soil borings located near electrical transformers or switch gear (SS-08, SS-09, SS-32, and SS-34) or approximately 10% of the soil samples collected at 0 to 6-inches (**Table 1**) will also be analyzed for:

- Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Soil borings SS-10 through SS-12 will also be advanced in areas where TPH and or VOC containing materials may have been stored. Soil samples will be field screened with a photo ionization detector (PID) for volatile organic compounds (VOCs). Field screening will be conducted by placing soil samples in a zip-lock bag where they will be allowed to volatilize for approximately 5 minutes, and then screened with a PID. If PID readings indicate elevated VOC concentrations above background (i.e., above 5 ppm), soil samples from that location will be collected and submitted for the following additional laboratory testing:

- Total Petroleum Hydrocarbons (TPH) by EPA Method 8015M, and
- Volatile organic compounds (VOCs) by EPA Method 8260/5035.

The soil samples collected at 1.5 to 2 feet and 2.5 to 3 feet will be archived at the laboratory for further analyses pending the result of the 0 to 6-inch soil samples. If concentrations of target analytes exceed the screening levels in the 0-6-inch sample, then the 1.5-2-foot sample from the same boring will be analyzed.

Quality Assurance and Quality Control (QA/QC)

The following QA/QC procedures will be followed during sampling and analysis:

- Duplicate soil samples will be collected and analyzed by the fixed laboratory at an approximate rate of 10% of the primary samples. At a minimum, one duplicate sample will be collected during each day samples are collected.

- Samples will be transferred under chain-of-custody control and will be subject to the laboratory's conventional QA/QC analytical procedures, including method blank, laboratory control sample and sample duplicate analyses.

Analytical data will be validated according to a Level II data review and the results of the validation will be included in the PEA-E report.

Decontamination Procedures

Reusable soil sampling equipment (direct-push rods and tips, hand augers, etc.) will be washed prior to each sample collection by the "three-bucket-wash" method. Sampling equipment will be first washed in a solution of Alconox and potable water, then rinsed with potable water, and finally rinsed with distilled water and allowed to air-dry.

Investigation Derived Waste Management

Soil cuttings from the soil borings and decontamination liquids will be placed into labeled 55-gallon DOT approved drums for temporary on-Site storage. Based on investigation results, the waste will be properly profiled and classified for disposal and removed from the Site within 90 days of generation.

Data Analysis and Reporting

A report will be prepared to summarize the results of the analyses and interpret the findings. The report will include Site background and environmental setting information, field procedures, boring logs, presentation of field observations and analytical results including laboratory reports, and conclusions and recommendations.

Additionally, soil data will be used in a screening level human health risk assessment to characterize potential risks from soil exposure to students and faculty. As a conservative assessment, soil concentrations will be compared to the residential soil screening levels listed in Department of Toxic Substances Control (DTSC) Human Health Risk Assessment (HHRA), Note 3 (DTSC, 2018). If the value is not listed in DTSC HHRA Note 3, then the USEPA Regional Screening Level (RSL) for residential soil (USEPA, 2018) will be used for comparison. For arsenic, the soil concentrations will be compared to the DTSC arsenic background concentration of 12 mg/kg for southern California sites (DTSC, 2009).

Geosyntec consultants

LIMITATIONS AND SIGNATURE

This document was prepared by the staff of Geosyntec Consultants under the supervision of a geologist whose signature appears hereon. The document was prepared in accordance with generally accepted professional engineering and geologic practice. The guidance contained in this document is based solely on the analysis of the conditions, as observed by Geosyntec personnel and as reported by other named sources, at the time the work was performed.

No warranty, expressed or implied, is made regarding the professional opinions expressed in this document or concerning the completeness of the data presented to Geosyntec. If actual conditions are found to differ from those described in this document or if new information regarding the Site is obtained, Geosyntec should be notified and additional recommendations, if required, will be provided. Geosyntec is not liable for any use of the information contained in the document by persons other than LAUSD.

Ruth Custance, MPH
Senior Principal

Kevin Coffman, P.G.
Senior Geologist

REFERENCES

Department of Toxic Substances Control (DTSC), 2018. HERO Human Health Risk Assessment (HHRA) No. Number 3, DTSC-modified Screening Levels (DTSC-SLs). Office of Human and Ecological Risk (HERO). Revised June 2018.

DTSC, 2009. Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals. January 2018.

Geosyntec, 2017. Phase I Environmental Site Assessment, Kennedy High School, 11254 Gothic Avenue, Granada Hills, California, July 2017.

United States Environmental Protection Agency (USEPA), 2018. Regional Screening Levels. Revised May 2018.

ENCLOSURES

Table 1: Proposed Soil Sampling Program

Figure 1: Site Location

Figure 2: Proposed Soil Sample Locations

* * * * *

TABLE

Table 1
Proposed Soil Sampling Program
Preliminary Environmental Assessment - Equivalent Investigation
Kennedy High School
11254 Gothic Avenue, Granda Hills, California

Boring Name	Composite Sample Group for OCPs	Depth (fbg)	Sample Matrix	Analytes						Laboratory Analytical Method(s)	Comments
				Arsenic	Lead	OCPs	PCBs	TPH*	VOCs*		
			SSL	**12**	**80**	CS	CS	NA	CS		
			units	mg/kg	mg/kg						
SS-01	1	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-02		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-03		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-04	2	0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-05		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-06		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-07	3	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-08		0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-09		0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-10	4	0-0.5	soil	x	x	x		x		EPA Methods 6020, 8081, 8015M, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-11		0-0.5	soil	x	x	x		x		EPA Methods 6020, 8081, 8015M, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-12		0-0.5	soil	x	x	x		x		EPA Methods 6020, 8081, 8015M, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	

Table 1
Proposed Soil Sampling Program
Preliminary Environmental Assessment - Equivalent Investigation
Kennedy High School
11254 Gothic Avenue, Granda Hills, California

Boring Name	Composite Sample Group for OCPs	Depth (fbg)	Sample Matrix	Analytes						Laboratory Analytical Method(s)	Comments
				Arsenic	Lead	OCPs	PCBs	TPH*	VOCs*		
			SSL	**12**	**80**	CS	CS	NA	CS		
			units	mg/kg	mg/kg						
SS-13	5	0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-14		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-15		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-16	6	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-17		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-18		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-19	7	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-20		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-21		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-22	8	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-23		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-24		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	

Table 1
Proposed Soil Sampling Program
Preliminary Environmental Assessment - Equivalent Investigation
Kennedy High School
11254 Gothic Avenue, Granda Hills, California

Boring Name	Composite Sample Group for OCPs	Depth (fbg)	Sample Matrix	Analytes						Laboratory Analytical Method(s)	Comments
				Arsenic	Lead	OCPs	PCBs	TPH*	VOCs*		
			SSL	**12**	**80**	CS	CS	NA	CS		
			units	mg/kg	mg/kg						
SS-25		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-26		0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-27	9	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-28		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-29		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-30	10	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-31		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-32		0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-33	11	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-34		0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-35		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-36	12	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	

Table 1
Proposed Soil Sampling Program
Preliminary Environmental Assessment - Equivalent Investigation
Kennedy High School
11254 Gothic Avenue, Granda Hills, California

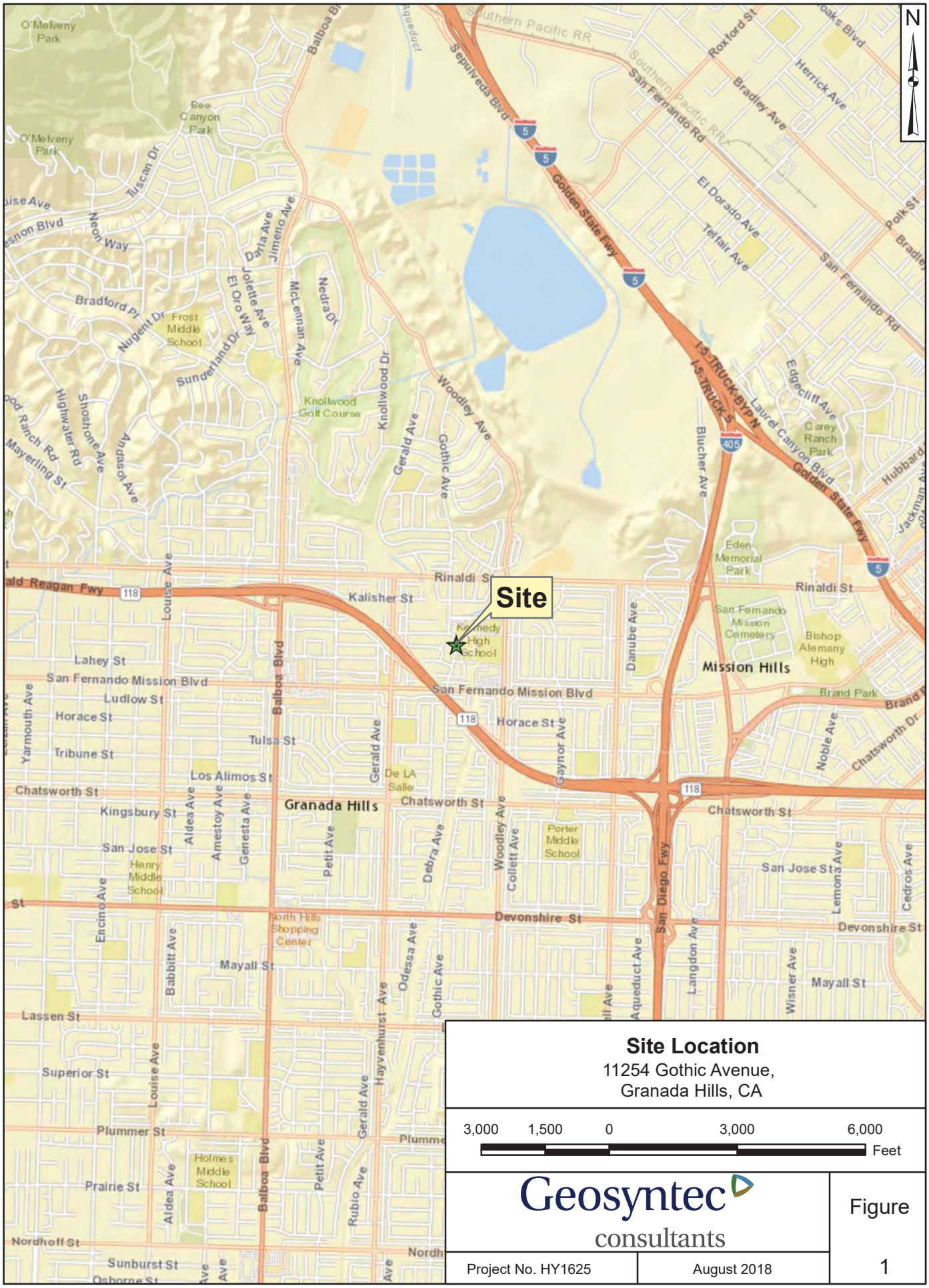
Boring Name	Composite Sample Group for OCPs	Depth (fbg)	Sample Matrix	Analytes						Laboratory Analytical Method(s)	Comments
				Arsenic	Lead	OCPs	PCBs	TPH*	VOCs*		
			SSL	**12**	**80**	CS	CS	NA	CS		
			units	mg/kg	mg/kg						
SS-37		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-38	13	0-0.5	soil	x	x	x	x			EPA Methods 6020, 8081, 8082, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-39		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-40		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-41	14	0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-42		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
SS-43		0-0.5	soil	x	x	x				EPA Methods 6020, 8081, and 6010B	Borings to be continuously cored, logged, sampled at 0.5- foot intervals, and advanced to a total depth of 3 feet.
		1.5-2	soil							Archive	
		2.5-3	soil							Archive	
Total Composite Samples				**0**	**0**	**14**	**0**	**TBD***	**TBD***		
Total Discreet Samples				**43**	**43**	**0**	**8**	**3/TBD***	**TBD***		
Total Duplicate Samples				**4**	**4**	**2**	**2**	**TBD***	**TBD***		
Total Samples				**47**	**47**	**16**	**10**	**3/TBD***	**TBD***		

Notes:

LAUSD = Los Angeles Unified School District
fbg = Feet below grade
OCPs = Organochlorine pesticides
PCBs = Polychlorinated biphenyls
VOCs = Volatile organic compounds
mg/kg = Milligrams per kilogram
NA = Not applicable
SSL = Soil Screening Level

TPH = Total petroleum hydrocarbons
CS = Chemical specific
EPA = Environmental Protection Agency
* = TPH (except for borings SS-10-12) and VOC samples will be collected if PID readings indicate potential presence of TPH/VOCs
TBD = To be determined based on PID readings
= Discrete Samples
= Composite Group

FIGURES



Site Location
11254 Gothic Avenue,
Granada Hills, CA

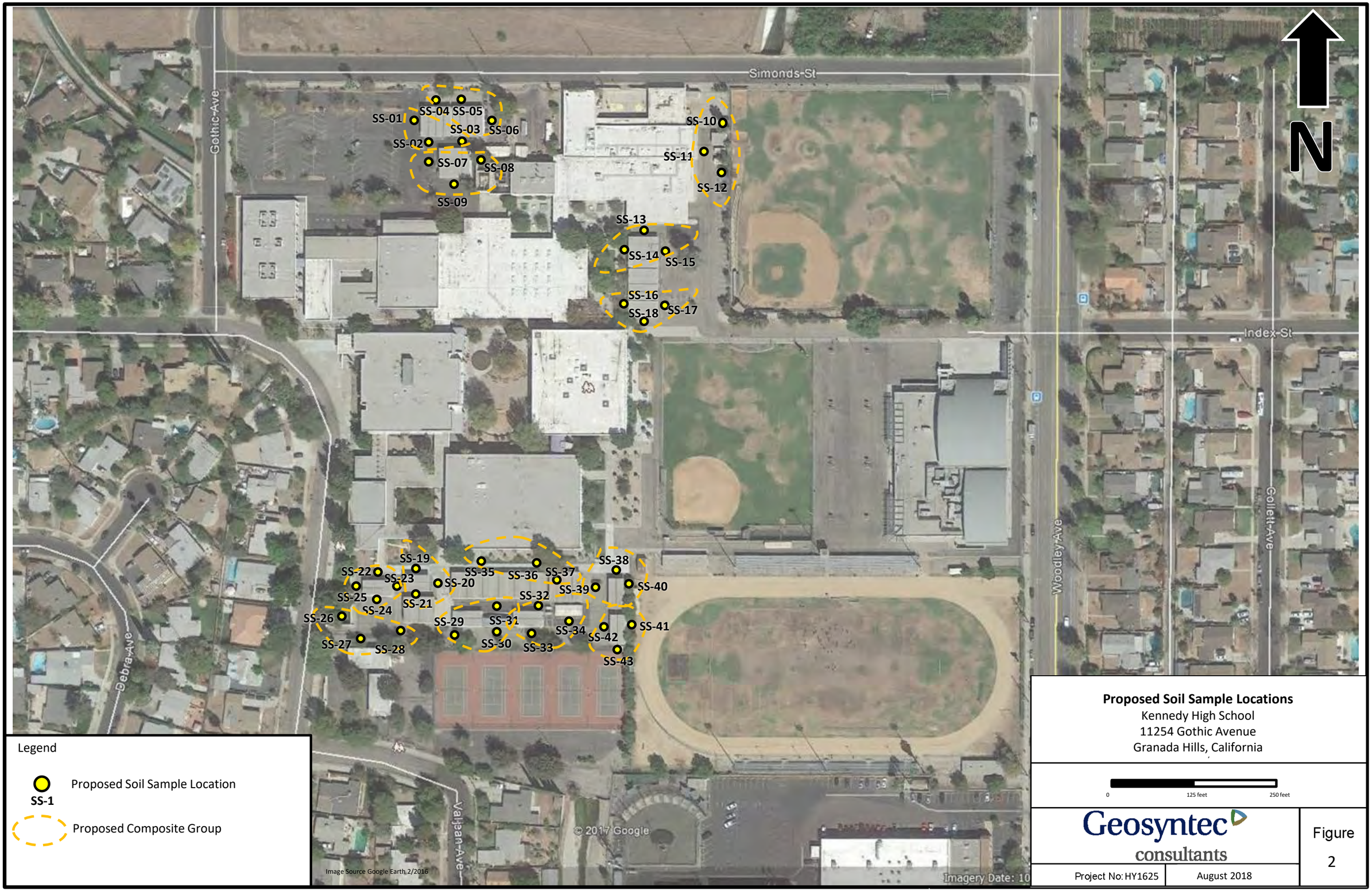
3,000 1,500 0 3,000 6,000 Feet

Geosyntec consultants

Figure 1

Project No. HY1625 | August 2018

S:\GIS\HY1625\Project\SiteMap.mxd cc 7/18/2017



Proposed Soil Sample Locations
Kennedy High School
11254 Gothic Avenue
Granada Hills, California

Geosyntec consultants

Figure 2

Project No: HY1625

August 2018

APPENDIX C

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: ☐ Yes ☒ No

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt core

Boring/Well Number: **SS - 1**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-20-18	11-20-18
Time		

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	ML	Sandy SILT, brown, 15-20% fine grained sand, dry.
	1030						0.5		
							1		
	1032						1.5		Same as above
							2		
	1035						2.5		Same as above
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt core

Boring/Well Number: **SS - 2**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-20-18	11-20-18
Time		

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [ ] Yes [X] No

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, fine grained sand, 15% silt, dry.
	0953								
							0.5		
							1		
							1.5	SM	Same as above, trace gravel
	0957								
							2		
							2.5	ML	SILT, brown, dry.
	1005								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt core

Boring/Well Number: **SS - 3**

Sheet 1 of 1

Drilling Start Date: 11-20-18 Time:

Drilling Finish Date: 11-20-18 Time:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	ML	Sandy SILT, brown, 20% fine grained sand, slightly moist.
	0930						0.5		
							1		
							1.5	ML	Same as above, trace clay
	0935						2		
							2.5	ML	same as above
	0937						3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt core

Boring/Well Number: **SS - 4**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-20-18	11-20-18
Time		

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, fine grained sand, slightly moist.
	1055								
							0.5		
							1		
							1.5	ML	Sandy SILT, brown, 25% fine grained sand, slightly moist.
	1105								
							2		
							2.5	ML	same as above
	1108								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt core

Boring/Well Number: **SS - 5**

Sheet 1 of 1

Drilling Start Date: 11-20-18 Time:

Drilling Finish Date: 11-20-18 Time:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: X No ☐ Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SM	Silty SAND, brown, fine to medium grained sand, 15% silt, slightly moist.
	1132								
							0.5		
							1		
							1.5	ML	SILT, brown, dry.
	1138								
							2		
							2.5	ML	same as above
	1142								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt core

Boring/Well Number: **SS - 6**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-20-18	Date 11-20-18
Time	Time

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, fine grained sand, 15% silt, slightly moist.
	0842								
							0.5		
							1		
							1.5		same as above.
	0847								
							2	TD	Hit pipe at 2.25 ft bgs. (4" transite irrigation pipe)
							2.5		
							3		
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt core

Boring/Well Number: **SS - 7**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-20-18	11-20-18
Time		

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [ ] Yes [X] No

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, fine grained sand, 15 to 20% silt, trace brick fragments, slightly moist.
	1015								
							0.5		
							1		
							1.5		same as above.
	1017								
							2		
							2.5	ML	SILT, dark brown, trace clay, slightly moist.
	1022								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Parsons Sensitive: Proprietary

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: dirt

Boring/Well Number: **SS - 8 - E5**

Sheet 1 of 1

Drilling Start Date: 12/18-18 Time:

Drilling Finish Date: 12/8-18 Time:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SM	Silty SAND, brown, slightly moist, roots.
	0745								
							0.5		
							1		
							1.5		same as above
	0750								
							2	TD	pipe encountered at 2.0 feet bgs. Stopped hand auger.
							2.5		
							3		
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Parsons Sensitive: Proprietary

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [ ] Yes [X] No

Person Sampled:

Job No. 451395	Client/Site: LAUSD / Kennedy High School Granada Hills, CA
Drilling Co./Method: Rice General / Hand Auger	Boring/Well Number **SS - 8 - NW5**
Sampling Method: Hand Auger	
Weather Conditions:	Sheet 1 of 1
Surface Material: asphalt	Drilling Start Date 12/18-18 Time; Finish Date 12/8-18 Time
Notes: 2-inches of asphalt	

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SM	Silty SAND, dark brown, fine grained sand, moist.
	0725						0.5		
							1		
	0730						1.5		same as above, rocks
							2		
	0735						2.5		same as above
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Parsons Sensitive: Proprietary

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: dirt

Boring/Well Number: **SS - 8 - S5**

Sheet 1 of 1

Drilling	Start	Finish
Date	12/18-18	12/8-18
Time		

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, fine grained sand, moist.
	0805								
							0.5		
							1		
							1.5		same as above
	0810								
							2		
							2.5		same as above, dry
	0815								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 9**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-20-18	11-20-18
Time		

Notes:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SM	Silty SAND, brown, fine grained sand, 15% silt, slightly moist, some plastic debris.
	0805								
							0.5		
							1		
							1.5		same as above, no plastic debris
	0812								
							2		
							2.5		same as above
	0816								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 10**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-20-18	Date 11-20-18
Time	Time

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

X No

Yes

Personal Sampling:

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	ML	SILT, brown, dry.
	1322				0.0				
							0.5		
							1		
							1.5		same as above
	1335				0.0				
							2		
							2.5		same as above
	1340				0.0				
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 11**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-20-18	11-20-18
Time		

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [ ] Yes [X] No

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, fine grained sand, dry.
	1300				0.0				
							0.5		
							1		
							1.5	ML	Sandy SILT, brown, 20% fine grained sand, slightly moist.
	1305				0.0				
							2		
							2.5		same as above
	1315				0.0				
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 12**

Sheet 1 of 1

Drilling Start Date: 11-20-18 Time:

Drilling Finish Date: 11-20-18 Time:

Notes: 4" of base

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [ ] Yes [X] No

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	ML	Sandy SILT, brown, 10 to 15% fine grained sand, dry.
	1225				0.0				
							0.5		
							1		
							1.5		same as above
	1230				0.0				
							2		
							2.5		same as above
	1235				0.0				
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 13**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-20-18	Date 11-20-18
Time	Time

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

X No

Yes

Personal Sampling:

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, fine grained sand, 20% silt, trace coarse grained sand, dry.
	0728								
							0.5		
							1		
							1.5		same as above, trace gravel
	0730								
							2		
							2.5	ML	Sandy SILT, brown, 30% fine grained sand, trace brick fragments, dry.
	0735								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 14**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-20-18	Date 11-20-18
Time	Time

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

X No

Yes

Personal Sampling:

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, fine grained sand, trace gravel, dry.
	0752								
							0.5		
							1		
							1.5	ML	Sandy SILT, brown, 20% fine grained sand, trace 1/2" rocks, trace gravel.
	0755								
							2		
							2.5	ML	same as above
	0757								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: ☐ Yes ☒ No

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 15**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-20-18	Date 11-20-18
Time	Time

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, fine grained sand, dry.
	0705						0.5		
							1		
							1.5	ML	Sandy SILT, brown, 15% fine grained sand, dry.
	0715						2		
							2.5	ML	same as above, trace gravel
	0720						3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 16**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-20-18	Date 11-20-18
Time	Time

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: ☐ Yes ☒ No

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SM	Silty SAND, brown, fine to medium grained sand, 20% silt, dry.
	0740								
							0.5		
							1		
							1.5	ML	Sandy SILT, brown, 15% fine grained sand, trace roots, dry.
	0743								
							2		
							2.5	ML	same as above
	0745								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 4" asphalt

Boring/Well Number: **SS - 17**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-19-18	Date 11-19-18
Time	Time

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	ML	Sandy SILT, light brown, 15% fine grained sand, dry.
	1347								
							0.5		
							1		
							1.5	ML	same as above, dark brown.
	1350								
							2		
							2.5	ML	same as above, trace gravel.
	1353								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 18**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-19-18	Date 11-19-18
Time	Time

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	ML	Sandy SILT, brown, 20% fine grained sand, slightly moist.
	1330						0.5		
							1		
	1335						1.5	ML	same as above, trace gravel.
							2		
	1338						2.5	SM	Silty SAND, light brown, fine grained sand.
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 4" asphalt

Boring/Well Number: **SS - 19**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-19-18	Date 11-19-18
Time	Time

Notes:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SW	SAND, well graded, gravel 10-15%, moist, loose.
	1027								
							0.5		
							1		
							1.5		same as above
	1030								
							2	TD	hit refusal at 2.25 feet. Stepped out and hit refusal again.
							2.5		
							3		
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 20**

Sheet 1 of 1

Drilling Start Date: 11-19-18 Time:

Drilling Finish Date: 11-19-18 Time:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SP	SAND, brown, loose, moist.
	1000								
							0.5		
							1		
							1.5		same as above
	1003								
							2		
							2.5		same as above.
	1006								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 21**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-19-18	Date 11-19-18
Time	Time

Notes: base 9"

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SP	SAND, brown, gravel 5-10%, 5% clay, loose, moist.
	1014						0.5		
							1		
							1.5		same as above, dark brown.
	1016						2		
							2.5		same as above.
	1020						3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 22**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-19-18	11-19-18
Time		

Notes: base 9"

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SP	SAND, brown, loose, moist.
	0827								
							0.5		
							1		
							1.5		same as above
	0829								
							2		
							2.5		same as above.
	0832								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 4" asphalt

Boring/Well Number: **SS - 23**

Sheet 1 of 1

Drilling Start Date: 11-19-18 Time:

Drilling Finish Date: 11-19-18 Time:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SP	SAND, dark brown, fine grained sand, loose, 10% gravel, moist.
	0811								
							0.5		
							1		
							1.5		same as above, more sandy
	0813								
							2		
							2.5		same as above, brown, drier.
	0815								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 24**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-19-18	11-19-18
Time		

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [ ] Yes [X] No

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:	Start Time	Finish Time
							0	SM	Silty SAND, brown, loose, 20% fine grained sand, 5% gravel, moist.		
	0802										
							0.5				
							1				
							1.5	SP	SAND, brown, moist, loose.		
	0804										
							2				
							2.5		same as above.		
	0806										
							3	TD			
							3.5				
							4				
							4.5				
							5		TD = Total depth hand augered and sampled		

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 2.5" asphalt

Boring/Well Number: **SS - 25**

Sheet 1 of 1

Drilling Start Date: 11-19-18 Time:

Drilling Finish Date: 11-19-18 Time:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SP	SAND, brown, 5% gravel, almost dry, loose.
	0836								
							0.5		
							1		
							1.5	SM	Silty SAND, as above.
	0839								
							2		
							2.5		same as above.
	0840								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 26**

Sheet 1 of 1

Drilling Start Date: 11-19-18 Time:

Drilling Finish Date: 11-19-18 Time:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: X No ☐ Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	ML	SILT, brown, loose, moist.
	0728								
							0.5		Concrete slab.
							1	ML	SILT, brown, loose, moist, several 1/4-1/2 inch gravel.
	0740						1.5		
							2		
							2.5		same as above, 20% fine grained sand.
	0743								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 2.5" asphalt

Boring/Well Number: **SS - 27**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-19-18	11-19-18
Time		

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [ ] Yes [X] No

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, loose, 25% gravel, moist to almost dry.
	0748								
							0.5		
							1		
							1.5		Same as above, no gravel.
	0750								
							2		
							2.5	ML	SILT, light brown, 25% fine grained sand, loose, dry.
	0754								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: ☐ Yes ☒ No

Person Sampled:

Location of Boring/Well: SEE SITE PLAN FIGURE IN REPORT	Job No. 451395
	Client/Site: LAUSD / Kennedy High School, Granada Hills, CA
	Drilling Co./Method: Rice General / Hand Auger
	Sampling Method: Hand Auger
	Weather Conditions:
	Surface Material: 2.5" asphalt
Datum:	

Boring/Well Number: **SS - 28**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-19-18	11-19-18
Time		

Notes:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes	Start Time	Finish Time
							0	SP	SAND, brown, loose, 5-10% gravel, moist.		
	0844										
							0.5				
							1				
							1.5	SM/SP	as above, 25% silt.		
	0846										
							2				
							2.5	SP	SAND, light brown, fine grained sand, loose, moist.		
	0848										
							3	TD			
							3.5				
							4				
							4.5				
							5		TD = Total depth hand augered and sampled		

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 29**

Sheet 1 of 1

Drilling Start Date: 11-19-18 Time:

Drilling Finish Date: 11-19-18 Time:

Notes:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [ ] Yes [X] No

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SP	SAND, brown, 5% gravel, loose, moist.
	0900						0.5		
							1		
							1.5		same as above
	0902						2		
							2.5		same as above, drier.
	0904						3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 2.5" asphalt

Boring/Well Number: **SS - 30**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-19-18	11-19-18
Time		

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [ ] Yes [X] No

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SP	SAND, brown, 5-10% gravel, loose, moist.
	0912								
							0.5		
							1		
							1.5		same as above, dark brown, more moist, 10% clay.
	0914								
							2		
							2.5		As above, several 1" chunks of concrete.
	0917								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: ☒ No ☐ Yes

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 31**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-19-18	Date 11-19-18
Time	Time

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	ML	Clayey SILT, dark brown, slightly moist.
	1300						0.5		
							1		
							1.5	SM	Silty SAND, brown, fine grained sand, 20% silt, slightly moist.
	1305						2		
							2.5	ML	SILT, brown, trace fine grained sand, slightly moist.
	1308						3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 32**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-19-18	Date 11-19-18
Time	Time

Notes:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	ML	SILT, dark brown, trace fine grained sand, moist.
	1311								
							0.5		
							1		
							1.5		same as above
	1315								
							2		
							2.5		same as above
	1318								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: ☐ Yes ☒ No

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 2.5" asphalt

Boring/Well Number: **SS - 33**

Sheet 1 of 1

Drilling	Start	Finish
Date	11-19-18	11-19-18
Time		

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SP	SAND, brown, 10-15% gravel, loose, moist.
	0925						0.5		
							1		
							1.5	SM	Silty SAND, dark brown, medium dense, very moist.
	0929						2		
							2.5		same as above
	0930						3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 2.5" asphalt

Boring/Well Number: **SS - 34**

Sheet 1 of 1

Drilling Start Date: 11-19-18 Time:

Drilling Finish Date: 11-19-18 Time:

Notes: 10" compacted gravel base

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SW	SAND, dark brown, well graded, medium dense, moist.
	0940								
							0.5		
							1		
							1.5		same as above, less graded.
	0942								
							2		
							2.5	SP	SAND, brown, loose, moist.
	0944								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 4" asphalt

Boring/Well Number: **SS - 35**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-19-18	Date 11-19-18
Time	Time

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: ☐ Yes ☒ No

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	ML	Sandy SILT, brown, 20% fine grained sand, trace gravel, slightly moist.
	1232								
							0.5		
							1		
							1.5		same as above, dark brown, trace roots, dry
	1235								
							2		
							2.5		same as above, rocks
	1237								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 36**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-19-18	Date 11-19-18
Time	Time

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, fine grained sand, trace gravel, moist.
	1225								
							0.5		
							1		
							1.5		same as above, no gravel
	1226								
							2		
							2.5		
	1228								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 37**

Sheet 1 of 1

Drilling Start Date: 11-19-18 Time:

Drilling Finish Date: 11-19-18 Time:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	ML	SILT, gray, very loose, trace roots, dry.
	1217						0.5		
							1		
							1.5		same as above, grayish brown, roots
	1220						2		
							2.5		same as above, gray.
	1222						3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 38**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-19-18	Date 11-19-18
Time	Time

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, loose, trace gravel, dry.
	1115								
							0.5		
							1		
							1.5	ML	Sandy SILT, brown, 20% fine grained sand, trace roots, dry.
	1118								
							2		
							2.5		same as above, big rocks.
	1124								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 3" asphalt

Boring/Well Number: **SS - 39**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-19-18	Date 11-19-18
Time	Time

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	SM	Silty SAND, brown, fine grained sand, dry.
	1130								
							0.5		
							1		
							1.5		same as above, trace gravel.
	1134								
							2		
							2.5		same as above
	1138								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 2.5" asphalt

Boring/Well Number: **SS - 40**

Sheet 1 of 1

Drilling Start Date: 11-19-18 Time:

Drilling Finish Date: 11-19-18 Time:

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: [X] No [ ] Yes

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes
							0	SW	SAND, compact gravel 15-20%, almost dry.
	1048								
							0.5		
							1		
							1.5		same as above
	1054								
							2		
							2.5		same as above
	1100								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

PARSONS

Field Boring Log

Location of Boring/Well:

SEE SITE PLAN FIGURE IN REPORT

Datum:

Job No. 451395

Client/Site: LAUSD / Kennedy High School
Granada Hills, CA

Drilling Co./Method: Rice General / Hand Auger

Sampling Method: Hand Auger

Weather Conditions:

Surface Material: 2.5" asphalt

Boring/Well Number: **SS - 41**

Sheet 1 of 1

Drilling	
Start	Finish
Date 11-19-18	Date 11-19-18
Time	Time

Geologist: P. Shair / J. King

Reviewed By:

Type of Instrument/Serial No. MiniRAE

Iso 100 PPM

Calibration Date/Gas:

Sample Container:

Sample Analyses:

Personal Sampling: ☐ Yes ☒ No

Person Sampled:

Sample No. / Sample Depth	Time	Sampler Blows	Inches Driven / % Recovery	PID (ppm) Auger	PID (ppm) Sample	XRF Lead (ppm)	Depth in Feet	USCS Soil Type	Notes:
							0	ML	Sandy SILT, light brown, 20% fine grained sand,
									trace coarse grained sand, slightly moist.
	1249								
							0.5		
							1		
							1.5		same as above, no coarse grained sand, dry.
	1255								
							2		
							2.5	SM	Silty SAND, brown, fine grained sand, 30% silt, trace
									gravel, dry.
	1258								
							3	TD	
							3.5		
							4		
							4.5		
							5		TD = Total depth hand augered and sampled

APPENDIX D

NO. 745498

ON-HAZARDOUS WASTE DATA FORM

BESI # 301440

Generator's Name and Mailing Address
L.A.U.S.D. - OEHS
ATTN: ANDREW MODUGNO
333 S. BEAUDRY AVE., 21ST FLOOR
LOS ANGELES, CA 90017

Generator's Site Address (if different than mailing address)
LAUSD - KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
GRANADA HILLS, CA 91344

Generator's Phone: 213-241-3199

Container type removed from site:

☒ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck

☐ Other _____

Quantity 001

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck

☐ Other _____

Quantity _____ Volume _____

WASTE DESCRIPTION Non-Hazardous Asphalt

GENERATING PROCESS Site Investigation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Asphalt		100%	3.		
2.			4.		

Waste Profile _____ PROPERTIES: pH _____ ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

Generator Printed/Typed Name: Andrew Modugno for LAUSD
Signature: Andrew Modugno for LAUSD
Month 01 Day 04 Year 19

The Generator certifies that the waste as described is 100% non-hazardous

Transporter 1 Company Name: BELSHIRE
Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Thomas Buck
Signature:
Month 01 Day 04 Year 19

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name:
Phone#:

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

Transporter Acknowledgment of Receipt of Materials

Designated Facility Name and Site Address
PHILADELPHIA RECYCLING MINE
12000 PHILADELPHIA AVE
MIRA LOMA, CA 91752

Phone#: 951-685-8343

Printed/Typed Name:
Signature:
Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

NO. 745497

NON-HAZARDOUS WASTE DATA FORM

BESI # 301440

Generator's Name and Mailing Address
L.A.U.S.D. - OEHS
ATTN: ANDREW MODUGNO
333 S. BEAUDRY AVE., 21ST FLOOR
LOS ANGELES, CA 90017

Generator's Site Address (if different than mailing address)
LAUSD - KENNEDY HIGH SCHOOL
11254 GOTHIC AVENUE
GRANADA HILLS, CA 91344

Generator's Phone: 213-241-3199

Container type removed from site:
☒ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other _____
Quantity 001

Container type transported to receiving facility:
☐ Drums ☒ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other _____
Quantity _____ Volume _____

WASTE DESCRIPTION NON-HAZARDOUS WASTE LIQUIDS
GENERATING PROCESS DECON WATER

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER		95-100%-	3. SOLIDS		0-5%
2. TPH		< 1%	4.		

Waste Profile _____ PROPERTIES: pH 4-10 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

Generator Printed/Typed Name: Andrew Modugno for LAUSD
Signature: Andrew Modugno for LAUSD
Month 01 Day 04 Year 19
The Generator certifies that the waste as described is 100% non-hazardous

Transporter 1 Company Name: BELSHIRE
Phone#: 949-460-5200
Transporter 1 Printed/Typed Name: Thomas Buch
Signature:
Month 01 Day 04 Year 19
Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: NIETO & SONS TRUCKING, INC.
Phone#: 714-990-6855
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year
Transporter Acknowledgment of Receipt of Materials

Designated Facility Name and Site Address
DEMENNO KERDOON
2000 N. ALAMEDA ST.
COMPTON, CA 90222
Phone#: 310-537-7100

Printed/Typed Name:
Signature:
Month Day Year
Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

APPENDIX E

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Justin King

Number of Pages 30
Date Received 11/19/2018
Date Reported 11/29/2018

Job Number	Order Date	Client
94891	11/19/2018	PARSNS

Project ID: KENNEDY HS
Project Name: Kennedy HS
Site: Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Enclosed please find results of analyses of 16 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
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CHAIN OF CUSTODY RECORD

110790

AETL JOB No. 94891

COMPANY: Parsons
PROJECT MANAGER: Justin King
COMPANY ADDRESS: 100 W. Walnut Pasadena CA
PHONE / FAX: 626-440-6013
PROJECT NAME: Kennedy HS - LAUSD
PROJECT #:
SITE NAME AND ADDRESS: Kennedy HS - 11254 Gothic Granada Hills
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead/~~Arsenic~~ (6010)	Arsenic (6020)	OCPs (8081A)	TEST INSTRUCTIONS & COMMENTS
1	SS-26-D0.5	94891.01	11-19-18	728	Soil	1 - 9 oz	NO	X	X	X	
2	SS-26-D0.5-D	94891.02		729	"			X	X	X	
3	SS-26-D2.0	94891.03		740	"						Hold analysis
4	SS-26-D3.0	94891.04		743	"						Hold analysis
5	SS-27-D0.5	94891.05		748	"			X	X	X	
6	SS-27-D2.0	94891.06		750	"						Hold analysis
7	SS-27-D3.0	94891.07		754	"						Hold analysis
8	SS-24-D0.5	94891.08		802	"			X	X	X	
9	SS-24-D2.0	94891.09		804	"						Hold
10	SS24-D3.0	94891.10		806	"						Hold
11	SS23-D0.5	94891.11		811	"			X	X	X	
12	SS-23-D2.0	94891.12		813	"						Hold
13	SS-23-D3.0	94891.13		815	"						Hold
14	SS-22-D0.5	94891.14		827	"			X	X	X	
15	SS-22-D2.0	94891.15		829	"						Hold

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH
☐ SAME DAY
☐ NEXT DAY
☐ 2 DAYS
☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☒ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name:
Date: 11/19/18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 11/19/18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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CHAIN OF CUSTODY RECORD

110797

AETL JOB No. 94891

COMPANY: Parsons
PROJECT MANAGER: Justin King
COMPANY ADDRESS: 100 W. Walnut St. Pasadena CA
PHONE:
FAX: 626-440-6013
PROJECT NAME:
PROJECT #:
SITE NAME AND ADDRESS: Kennedy HS - LAUSD, 11254 Gothic, Granada Hills
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCP (8081A)	PCB (8082)	TEST INSTRUCTIONS & COMMENTS
1	SS-22-D3.0	94891.16	11-19-18	832	Soil	1-9oz	No	X				Hold
2	SS-25-D0.5	94891.17		836				X	X	X		
3	SS-25-D2.0	94891.18		839								Hold
4	SS-25-D3.0	94891.19		840								Hold
5	SS-28-D0.5	94891.20		844				X	X	X		
6	SS-28-D2.0	94891.21		846								Hold
7	SS-28-D3.0	94891.22		848								Hold
8	SS-29-D0.5	94891.23		900				X	X	X		
9	SS-29-D2.0	94891.24		902								Hold
10	SS-29-D3.0	94891.25		904								Hold
11	SS-30-D0.5	94891.26		912				X	X	X		
12	SS-30-D2.0	94891.27		914								Hold
13	SS-30-D3.0	94891.28		917								Hold
14	SS-33-D0.5	94891.29		925				X	X	X		
15	SS-33-D2.0	94891.30		928								Hold

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☒ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name: C. Phillips
Date: 11/19/18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name: C. Phillips	Printed Name:	Printed Name:
Date: 11/19/18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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CHAIN OF CUSTODY RECORD

110603

COMPANY: Parsons
PROJECT MANAGER: Justin Ivers
COMPANY ADDRESS: 100 W. Walnut St. Pasadena CA
PHONE / FAX: 310-809-5793
PROJECT NAME: Kennedy HS-LAUSD
PROJECT #:
SITE NAME AND ADDRESS: Kennedy HS - 11254 Gothic, Granada Hills
PO #:
AETL JOB No. 94891
Page 3 of 6

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCPS (8081A)	PCBS (8082)	TEST INSTRUCTIONS & COMMENTS
1	SS-33-D3.0	94891.31	11-19-18	930	Soil	1 9oz	NO					HOLD
2	SS-34-D0.5	94891.32		940				X	X	X	X	
3	SS-34-D2.0	94891.33		942								Hold
4	SS-34-D3.0	94891.34		944								Hold
5	SS-20-D0.5	94891.35		1000				X	X	X		
6	SS-20-D2.0	94891.36		1003								Hold
7	SS-20-D3.0	94891.37		1006								Hold
8	SS-21-D0.5	94891.38		1014				X	X	X		
9	SS-21-D2.0	94891.39		1016								Hold
10	SS-21-D3.0	94891.40		1020								Hold
11	SS-19-D0.5	94891.41		1027				X	X	X		
12	SS-19-D2.0	94891.42		1030								Hold
13	~~SS-19-D3.0~~	PS-10	sample									~~Hold~~ no sample
14	SS-40-D0.5	94891.43		1048				X	X	X		
15	SS-40-D2.0	94891.44		1054								Hold

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	14	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH
☐ SAME DAY
☐ NEXT DAY
☐ 2 DAYS
☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☒ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin Ivers	Printed Name:	Printed Name: C. Pacillas
Date: 11/19/18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature:
Printed Name: Carmelon Pacillas	Printed Name:	Printed Name:
Date: 11/19/18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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COOLER RECEIPT FORM

Client Name: Parson

Project Name:

AETL Job Number: 94891, 94892

Date Received: 11/19/18 Received by: AN

Carrier: ☒ AETL Courier ☐ Client ☐ GSO ☐ FedEx ☐ UPS

☐ Others:

Samples were received in: ☒ Cooler (2) ☐ Other (Specify): c

Inside temperature of shipping container No 1: 3.2°C, No 2: 3.3°C, No 3: _____

Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify):

How are samples preserved: ☐ None, ☒ Ice , ☐ Blue Ice, ☐ Dry Ice

_ None, _ HNO_3, _ NaOH, _ ZnOAc, _ HCl, _ $Na_2S_2O_3$, _MeOH

_ Other (Specify):

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?		✓	
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	✓		

Explain all "No" answers for above questions:

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Project ID: KENNEDY HS
Date Received 11/19/2018
Date Reported 11/29/2018

Telephone: (626)440-6161
Attention: Justin King

Job Number	Order Date	Client
94891	11/19/2018	PARSNS

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 44 samples with the following specification on 11/19/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
94891.01	SS-26-D0.5	11/19/2018	Soil	1
94891.02	SS-26-D0.5-D	11/19/2018	Soil	1
94891.05	SS-27-D0.5	11/19/2018	Soil	1
94891.08	SS-24-D0.5	11/19/2018	Soil	1
94891.11	SS-23-D0.5	11/19/2018	Soil	1
94891.14	SS-22-D0.5	11/19/2018	Soil	1
94891.17	SS-25-D0.5	11/19/2018	Soil	1
94891.20	SS-28-D0.5	11/19/2018	Soil	1
94891.23	SS-29-D0.5	11/19/2018	Soil	1
94891.26	SS-30-D0.5	11/19/2018	Soil	1
94891.29	SS-33-D0.5	11/19/2018	Soil	1
94891.35	SS-20-D0.5	11/19/2018	Soil	1
94891.38	SS-21-D0.5	11/19/2018	Soil	1
94891.41	SS-19-D0.5	11/19/2018	Soil	1
94891.43	SS-40-D0.5	11/19/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	11/26/2018	2	Normal	mg/Kg
(6020) ^ AS	11/26/2018	2	Normal	mg/Kg
(8081A)	11/26/2018	2	Normal	ug/Kg

94891.03	SS-26-D2.0	11/19/2018	Soil	1
94891.04	SS-26-D3.0	11/19/2018	Soil	1
94891.06	SS-27-D2.0	11/19/2018	Soil	1
94891.07	SS-27-D3.0	11/19/2018	Soil	1
94891.09	SS-24-D2.0	11/19/2018	Soil	1
94891.10	SS-24-D3.0	11/19/2018	Soil	1

Continued

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Project ID: KENNEDY HS
Date Received 11/19/2018
Date Reported 11/29/2018

Telephone: (626)440-6161
Attention: Justin King

Job Number	Order Date	Client
94891	11/19/2018	PARSNS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

94891.12	SS-23-D2.0	11/19/2018	Soil	1
94891.13	SS-23-D3.0	11/19/2018	Soil	1
94891.15	SS-22-D2.0	11/19/2018	Soil	1
94891.16	SS-22-D3.0	11/19/2018	Soil	1
94891.18	SS-25-D2.0	11/19/2018	Soil	1
94891.19	SS-25-D3.0	11/19/2018	Soil	1
94891.21	SS-28-D2.0	11/19/2018	Soil	1
94891.22	SS-28-D3.0	11/19/2018	Soil	1
94891.24	SS-29-D2.0	11/19/2018	Soil	1
94891.25	SS-29-D3.0	11/19/2018	Soil	1
94891.27	SS-30-D2.0	11/19/2018	Soil	1
94891.28	SS-30-D3.0	11/19/2018	Soil	1
94891.30	SS-33-D2.0	11/19/2018	Soil	1
94891.31	SS-33-D3.0	11/19/2018	Soil	1
94891.33	SS-34-D2.0	11/19/2018	Soil	1
94891.34	SS-34-D3.0	11/19/2018	Soil	1
94891.36	SS-20-D2.0	11/19/2018	Soil	1
94891.37	SS-20-D3.0	11/19/2018	Soil	1
94891.39	SS-21-D2.0	11/19/2018	Soil	1
94891.40	SS-21-D3.0	11/19/2018	Soil	1
94891.42	SS-19-D2.0	11/19/2018	Soil	1
94891.44	SS-40-D2.0	11/19/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	11/26/2018	2	Normal	--

94891.32	SS-34-D0.5	11/19/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	11/26/2018	2	Normal	mg/Kg
(6020) ^ AS	11/26/2018	2	Normal	mg/Kg
(8081A)	11/26/2018	2	Normal	ug/Kg
(8082)	11/26/2018	2	Normal	ug/Kg

Continued

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Justin King

Project ID: KENNEDY HS
Date Received 11/19/2018
Date Reported 11/29/2018

Job Number	Order Date	Client
94891	11/19/2018	PARSNS

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Page: **2**

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112118EB1

Our Lab I.D.			Method Blank	**94891.01**	**94891.02**	**94891.05**	**94891.08**
Client Sample I.D.				SS-26-D0.5	SS-26-D0.5-D	SS-27-D0.5	SS-24-D0.5
Date Sampled				11/19/2018	11/19/2018	11/19/2018	11/19/2018
Date Prepared			11/21/2018	11/21/2018	11/21/2018	11/21/2018	11/21/2018
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/21/2018	11/21/2018	11/21/2018	11/21/2018	11/21/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	13.6	15.1	6.38	3.23
Chlordane (alpha)	1.0	2.0	ND	7.38	7.85	3.16	1.56J
4,4'-DDD (DDD)	1.0	2.0	ND	2.99	2.99	2.24	2.10
4,4'-DDE (DDE)	1.0	2.0	ND	75.7	88.6	9.76	24.0
4,4'-DDT (DDT)	1.0	2.0	ND	24.3	33.7	19.7	9.92
Dieldrin	1.0	2.0	ND	7.68	8.57	5.35	3.89
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	6.19	7.25	3.22	1.67J
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	85.0	170.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	94891.01	94891.02	94891.05	94891.08
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		108	80.0	97.2	86.8	81.6
Tetrachloro-m-xylene	30-150		66.0	56.0	59.6	57.2	52.4

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Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112118EB1

Our Lab I.D.			94891.11	94891.14	94891.17	94891.20	94891.23
Client Sample I.D.			SS-23-D0.5	SS-22-D0.5	SS-25-D0.5	SS-28-D0.5	SS-29-D0.5
Date Sampled			11/19/2018	11/19/2018	11/19/2018	11/19/2018	11/19/2018
Date Prepared			11/21/2018	11/21/2018	11/21/2018	11/21/2018	11/21/2018
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/21/2018	11/21/2018	11/21/2018	11/21/2018	11/21/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	7.23	9.46	7.90	8.76	6.63
Chlordane (alpha)	1.0	2.0	4.01	4.65	3.48	4.41	3.25
4,4'-DDD (DDD)	1.0	2.0	1.67J	6.69	3.46	2.00	1.64J
4,4'-DDE (DDE)	1.0	2.0	99.0	46.1	36.8	24.3	28.5
4,4'-DDT (DDT)	1.0	2.0	16.3	46.0	38.8	17.1	33.4
Dieldrin	1.0	2.0	3.38	5.30	3.21	7.48	2.86
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	3.22	4.81	4.42	4.35	3.38
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	85.0	170.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			94891.11	94891.14	94891.17	94891.20	94891.23
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		71.2	91.6	89.2	80.8	88.8
Tetrachloro-m-xylene	30-150		58.4	48.0	77.6	62.0	72.0

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Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112118EB1

Our Lab I.D.			94891.26	94891.29	94891.32	94891.35	
Client Sample I.D.			SS-30-D0.5	SS-33-D0.5	SS-34-D0.5	SS-20-D0.5	
Date Sampled			11/19/2018	11/19/2018	11/19/2018	11/19/2018	
Date Prepared			11/21/2018	11/21/2018	11/21/2018	11/21/2018	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/21/2018	11/21/2018	11/21/2018	11/21/2018	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Aldrin	1.0	2.0	ND	ND	ND	ND	
Chlordane (Total)	1.0	2.0	4.38	7.97	2.29	4.83	
Chlordane (alpha)	1.0	2.0	1.92J	3.86	1.05J	1.54J	
4,4'-DDD (DDD)	1.0	2.0	ND	6.46	ND	ND	
4,4'-DDE (DDE)	1.0	2.0	2.55	65.1	71.2	16.2	
4,4'-DDT (DDT)	1.0	2.0	ND	52.2	9.34	ND	
Dieldrin	1.0	2.0	1.70J	3.77	1.21J	1.90J	
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	
Endrin	1.0	2.0	ND	ND	ND	ND	
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	
Endrin ketone	1.0	2.0	ND	ND	ND	ND	
Chlordane (gamma)	1.0	2.0	2.46	4.11	1.24J	3.29	
Heptachlor	1.0	2.0	ND	ND	ND	ND	
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	
Methoxychlor	5.0	10.0	ND	ND	ND	ND	
Toxaphene	85.0	170.0	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			94891.26	94891.29	94891.32	94891.35	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150		73.6	83.6	74.0	144	
Tetrachloro-m-xylene	30-150		58.0	68.0	66.0	54.4	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112118EB1

Our Lab I.D.			**94891.38**				
Client Sample I.D.			SS-21-D0.5				
Date Sampled			11/19/2018				
Date Prepared			11/21/2018				
Preparation Method			3550B				
Date Analyzed			11/21/2018				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
Aldrin	5	10	ND				
Chlordane (Total)	5	10	5.73J				
Chlordane (alpha)	5	10	ND				
4,4'-DDD (DDD)	5	10	ND				
4,4'-DDE (DDE)	5	10	6.47J				
4,4'-DDT (DDT)	5	10	5.94J				
Dieldrin	5	10	ND				
Endosulfan 1	5	10	ND				
Endosulfan 11	5	10	ND				
Endosulfan sulfate	5	10	ND				
Endrin	5	10	ND				
Endrin aldehyde	5	10	ND				
Endrin ketone	5	10	ND				
Chlordane (gamma)	5	10	ND				
Heptachlor	5	10	ND				
Heptachlor epoxide	5	10	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND				
beta-Hexachlorocyclohexane (Betta-BHC)	5	10	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND				
Methoxychlor	25	50	ND				
Toxaphene	425	850	ND				

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			94891.38				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		95.6				
Tetrachloro-m-xylene	30-150		72.4				

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Kennedy HS-LAUSD
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Granada Hills, CA 91344

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112118EB1

Our Lab I.D.			**94891.41**				
Client Sample I.D.			SS-19-D0.5				
Date Sampled			11/19/2018				
Date Prepared			11/21/2018				
Preparation Method			3550B				
Date Analyzed			11/21/2018				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Aldrin	2.0	4.0	ND				
Chlordane (Total)	2.0	4.0	5.64				
Chlordane (alpha)	2.0	4.0	2.21J				
4,4'-DDD (DDD)	2.0	4.0	4.20				
4,4'-DDE (DDE)	2.0	4.0	51.7				
4,4'-DDT (DDT)	2.0	4.0	31.4				
Dieldrin	2.0	4.0	4.96				
Endosulfan 1	2.0	4.0	ND				
Endosulfan 11	2.0	4.0	ND				
Endosulfan sulfate	2.0	4.0	ND				
Endrin	2.0	4.0	ND				
Endrin aldehyde	2.0	4.0	ND				
Endrin ketone	2.0	4.0	ND				
Chlordane (gamma)	2.0	4.0	3.43J				
Heptachlor	2.0	4.0	ND				
Heptachlor epoxide	2.0	4.0	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND				
beta-Hexachlorocyclohexane (Betta-BHC)	2.0	4.0	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND				
Methoxychlor	10	20	ND				
Toxaphene	170	340	ND				

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			94891.41				
Surrogates	**%Rec.Limit**		**% Rec.**				
Decachlorobiphenyl	30-150		79.2				
Tetrachloro-m-xylene	30-150		66.0				

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112118EB1

Our Lab I.D.			**94891.43**				
Client Sample I.D.			SS-40-D0.5				
Date Sampled			11/19/2018				
Date Prepared			11/21/2018				
Preparation Method			3550B				
Date Analyzed			11/21/2018				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Aldrin	1.0	2.0	ND				
Chlordane (Total)	1.0	2.0	10.9				
Chlordane (alpha)	1.0	2.0	5.20				
4,4'-DDD (DDD)	1.0	2.0	11.2				
4,4'-DDE (DDE)	1.0	2.0	126				
4,4'-DDT (DDT)	1.0	2.0	45.7				
Dieldrin	1.0	2.0	5.39				
Endosulfan 1	1.0	2.0	ND				
Endosulfan 11	1.0	2.0	ND				
Endosulfan sulfate	1.0	2.0	ND				
Endrin	1.0	2.0	ND				
Endrin aldehyde	1.0	2.0	ND				
Endrin ketone	1.0	2.0	ND				
Chlordane (gamma)	1.0	2.0	5.72				
Heptachlor	1.0	2.0	ND				
Heptachlor epoxide	1.0	2.0	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND				
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND				
Methoxychlor	5.0	10.0	ND				
Toxaphene	85.0	170.0	ND				

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			94891.43				
Surrogates	**%Rec.Limit**		**% Rec.**				
Decachlorobiphenyl	30-150		73.2				
Tetrachloro-m-xylene	30-150		56.8				

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 112618ZB1

Our Lab I.D.			Method Blank	**94891.32**			
Client Sample I.D.				SS-34-D0.5			
Date Sampled				**11/19/2018**			
Date Prepared			**11/26/2018**	**11/26/2018**			
Preparation Method			**3550B**	**3550B**			
Date Analyzed			**11/26/2018**	**11/26/2018**			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aroclor-1016 (PCB-1016)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1221 (PCB-1221)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1232 (PCB-1232)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1242 (PCB-1242)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1248 (PCB-1248)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1254 (PCB-1254)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1260 (PCB-1260)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1262 (PCB-1262)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1268 (PCB-1268)	**25.0**	**50.0**	**ND**	**ND**			
Our Lab I.D.			Method Blank	**94891.32**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Decachlorobiphenyl	**30-150**		**89.2**	**74.8**			
Tetrachloro-m-xylene	**30-150**		**66.4**	**86.8**			

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1127182C2

Our Lab I.D.			Method Blank	**94891.01**	**94891.02**	**94891.05**	**94891.08**
Client Sample I.D.				SS-26-D0.5	SS-26-D0.5-D	SS-27-D0.5	SS-24-D0.5
Date Sampled				**11/19/2018**	**11/19/2018**	**11/19/2018**	**11/19/2018**
Date Prepared			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**
Preparation Method			**3050B**	**3050B**	**3050B**	**3050B**	**3050B**
Date Analyzed			**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Lead	**2.5**	**5.0**	**ND**	**6.70**	**6.28**	**5.48**	**5.18**

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Kennedy HS-LAUSD
11254 Gothic Ave.
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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1127182C2

Our Lab I.D.			94891.11	94891.14	94891.17	94891.20	94891.23
Client Sample I.D.			SS-23-D0.5	SS-22-D0.5	SS-25-D0.5	SS-28-D0.5	SS-29-D0.5
Date Sampled			11/19/2018	11/19/2018	11/19/2018	11/19/2018	11/19/2018
Date Prepared			11/27/2018	11/27/2018	11/27/2018	11/27/2018	11/27/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/28/2018	11/28/2018	11/28/2018	11/28/2018	11/28/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Lead	2.5	5.0	10.4	7.46	4.94J	4.54J	4.61J

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1127182C2

Our Lab I.D.			**94891.26**				
Client Sample I.D.			SS-30-D0.5				
Date Sampled			**11/19/2018**				
Date Prepared			**11/27/2018**				
Preparation Method			**3050B**				
Date Analyzed			**11/28/2018**				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Lead	**2.5**	**5.0**	**3.03J**				

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1127182C3

Our Lab I.D.			Method Blank	**94891.29**	**94891.32**	**94891.35**	**94891.38**
Client Sample I.D.				SS-33-D0.5	SS-34-D0.5	SS-20-D0.5	SS-21-D0.5
Date Sampled				**11/19/2018**	**11/19/2018**	**11/19/2018**	**11/19/2018**
Date Prepared			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**
Preparation Method			**3050B**	**3050B**	**3050B**	**3050B**	**3050B**
Date Analyzed			**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Lead	**2.5**	**5.0**	**ND**	**5.96**	**5.24**	**4.75J**	**5.20**

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1127182C3

Our Lab I.D.			**94891.41**	**94891.43**			
Client Sample I.D.			SS-19-D0.5	SS-40-D0.5			
Date Sampled			11/19/2018	11/19/2018			
Date Prepared			11/27/2018	11/27/2018			
Preparation Method			3050B	3050B			
Date Analyzed			11/28/2018	11/28/2018			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Lead	2.5	5.0	2.90J	4.90J			

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1127181C6

Our Lab I.D.			Method Blank	**94891.01**	**94891.02**	**94891.05**	**94891.08**
Client Sample I.D.				SS-26-D0.5	SS-26-D0.5-D	SS-27-D0.5	SS-24-D0.5
Date Sampled				**11/19/2018**	**11/19/2018**	**11/19/2018**	**11/19/2018**
Date Prepared			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**
Preparation Method			**3050B**	**3050B**	**3050B**	**3050B**	**3050B**
Date Analyzed			**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	**0.05**	**0.10**	**ND**	**5.01**	**5.68**	**4.25**	**2.63**

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1127181C6

Our Lab I.D.			94891.11	94891.14	94891.17	94891.20	94891.23
Client Sample I.D.			SS-23-D0.5	SS-22-D0.5	SS-25-D0.5	SS-28-D0.5	SS-29-D0.5
Date Sampled			11/19/2018	11/19/2018	11/19/2018	11/19/2018	11/19/2018
Date Prepared			11/27/2018	11/27/2018	11/27/2018	11/27/2018	11/27/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/28/2018	11/28/2018	11/28/2018	11/28/2018	11/28/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	0.05	0.10	4.34	3.23	3.27	4.29	3.47

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1127181C6

Our Lab I.D.			**94891.26**				
Client Sample I.D.			SS-30-D0.5				
Date Sampled			**11/19/2018**				
Date Prepared			**11/27/2018**				
Preparation Method			**3050B**				
Date Analyzed			**11/28/2018**				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Arsenic	**0.05**	**0.10**	**2.62**				

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1127181C7

Our Lab I.D.			Method Blank	**94891.29**	**94891.32**	**94891.35**	**94891.38**
Client Sample I.D.				SS-33-D0.5	SS-34-D0.5	SS-20-D0.5	SS-21-D0.5
Date Sampled				**11/19/2018**	**11/19/2018**	**11/19/2018**	**11/19/2018**
Date Prepared			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**
Preparation Method			**3050B**	**3050B**	**3050B**	**3050B**	**3050B**
Date Analyzed			**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	**0.05**	**0.10**	**ND**	**4.70**	**3.35**	**2.36**	**2.56**

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1127181C7

Our Lab I.D.			**94891.41**	**94891.43**			
Client Sample I.D.			SS-19-D0.5	SS-40-D0.5			
Date Sampled			**11/19/2018**	**11/19/2018**			
Date Prepared			**11/27/2018**	**11/27/2018**			
Preparation Method			**3050B**	**3050B**			
Date Analyzed			**11/28/2018**	**11/28/2018**			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Arsenic	**0.05**	**0.10**	**2.83**	**2.12**			

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1127182C2; Dup or Spiked Sample: 94891.01; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	6.70	50.0	51.7	90.0	50.0	49.4	85.4	5.2	75-125	<15

QC Batch No: 1127182C2; Dup or Spiked Sample: 94891.01; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1127182C3; Dup or Spiked Sample: 94891.29; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	5.96	50.0	56.5	101	50.0	57.0	102	<1	75-125	<15

QC Batch No: 1127182C3; Dup or Spiked Sample: 94891.29; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	41.3	82.6	50.0	44.4	88.8	7.2	75-125	<15	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1127181C6; Dup or Spiked Sample: 94891.01; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	5.01	1.00	6.35 #	134	1.00	6.45 #	144	7.2	80-120	<15

QC Batch No: 1127181C6; Dup or Spiked Sample: 94891.01; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	1.00	0.932	93.2	1.00	0.983	98.3	5.3	80-120	<15	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1127181C7; Dup or Spiked Sample: 94891.29; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	4.70	1.00	5.10 #	40.0	1.00	5.20 #	50.0	22.2	80-120	<15

QC Batch No: 1127181C7; Dup or Spiked Sample: 94891.29; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	1.00	0.845	84.5	1.00	0.838	83.8	<1	80-120	<15	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112118EB1; Dup or Spiked Sample: 94891.05; LCS: Clean Sand; QC Prepared: 11/21/2018; QC Analyzed: 11/21/2018; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	11.0	55.0	20.0	11.2	56.0	1.8	40-150	<40
4,4'-DDT (DDT)	19.7	50.0	75.2	111	50.0	84.2	129	15.0	40-150	<40
Dieldrin	3.66	50.0	38.3	69.3	50.0	38.0	68.7	<1	40-150	<40
Endrin	0.00	50.0	39.9	79.8	50.0	40.8	81.6	2.2	40-150	<40
Heptachlor	0.00	20.0	11.7	58.5	20.0	11.4	57.0	2.6	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	12.7	63.5	20.0	12.6	63.0	<1	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	22.4	89.6	25.0	20.4	81.6	9.3	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	15.7	62.8	25.0	18.2	72.8	14.7	30-150	<40

QC Batch No: 112118EB1; Dup or Spiked Sample: 94891.05; LCS: Clean Sand; QC Prepared: 11/21/2018; QC Analyzed: 11/21/2018; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Aldrin	20.0	12.6	63.0	20.0	10.3	51.5	20.1	50-150	<40	
4,4'-DDT (DDT)	50.0	45.9	91.8	50.0	49.0	98.0	6.5	50-150	<40	
Dieldrin	50.0	38.6	77.2	50.0	33.1	66.2	15.3	50-150	<40	
Endrin	50.0	31.8	63.6	50.0	28.6	57.2	10.6	50-150	<40	
Heptachlor	20.0	12.2	61.0	20.0	10.3	51.5	16.9	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	13.8	69.0	20.0	10.7	53.5	25.3	50-150	<40	
Surrogates										
Decachlorobiphenyl	25.0	25.8	103	25.0	23.2	92.8	10.4	30-150	<40	
Tetrachloro-m-xylene	25.0	17.4	69.6	25.0	13.1	52.4	28.2	30-150	<40	

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QUALITY CONTROL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Page: **30**

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94891	11/19/2018	PARSNS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 112618ZB1; Dup or Spiked Sample: 94898.02; LCS: Clean Sand; QC Prepared: 11/26/2018; QC Analyzed: 11/26/2018; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	540	108	500	540	108	<1	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	426	85.2	500	409	81.8	4.1	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	24.0	96.0	25.0	20.3	81.2	16.7	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	22.5	90.0	25.0	21.5	86.0	4.5	30-150	<40

QC Batch No: 112618ZB1; Dup or Spiked Sample: 94898.02; LCS: Clean Sand; QC Prepared: 11/26/2018; QC Analyzed: 11/26/2018; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1016 (PCB-1016)	500	383	76.6	50-150						
Aroclor-1260 (PCB-1260)	500	372	74.4	50-150						
Surrogates										
Decachlorobiphenyl	25.0	21.6	86.4	30-150						
Tetrachloro-m-xylene	25.0	15.8	63.2	30-150						

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Justin King

Number of Pages 18
Date Received 11/19/2018
Date Reported 11/29/2018

Job Number	Order Date	Client
94892	11/19/2018	PARSNS

Project ID: KENNEDY HS
Project Name: Kennedy HS
Site: Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Enclosed please find results of analyses of 11 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

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CHAIN OF CUSTODY RECORD

110602

AETL JOB No. 94892

COMPANY: Parsons
PROJECT MANAGER: Justin King
COMPANY ADDRESS: 100 W. Walnut St. Pasadena CA
PHONE / FAX: 626-440-6013
PROJECT NAME: Kennedy High School
PROJECT #:
SITE NAME AND ADDRESS: 11254 Gothic Granada Hills
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCPs (8081A)	TEST INSTRUCTIONS & COMMENTS
1	SS-40-D3.0	94892.01	11-18-19	1100	Soil	1 902					Hold
2	SS-38-D0.5	94892.02		1115				X	X	X	
3	SS-38-D2.0	94892.03		1118							Hold
4	SS-38-D3.0	94892.04		1124							Hold
5	SS-39-D0.5	94892.05		1130				X	X	X	
6	SS-39-D2.0	94892.06		1134							Hold
7	SS-39-D3.0	94892.07		~~1217~~ 1138							Hold
8	SS-37-D0.5	94892.08		1217				X	X	X	
9	SS-37-D2.0	94892.09		1220							Hold
10	SS-37-D3.0	94892.10		1222							Hold
11	SS-36-D0.5	94892.11		1225				X	X	X	
12	SS-36-D2.0	94892.12		1226							Hold
13	SS-36-D3.0	94892.13		1228							Hold
14	SS-35-D0.5	94892.14		1232				X	X	X	
15	SS-35-D2.0	94892.15		1235							Hold

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED Y / N / NA	Y
CUSTODY SEALS Y / N / NA	N	SAMPLES INTACT Y / N / NA	Y
RECEIVED IN GOOD COND Y / N	Y	SAMPLES ACCEPTED Y / N	Y

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name: C. Rodriguez
Date: 11-19-18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature:
Printed Name: Christopher Rodriguez	Printed Name:	Printed Name: Ant
Date: 11/19/18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550

TURN AROUND TIME

- [x] NORMAL
- [ ] RUSH
  - [ ] SAME DAY
  - [ ] NEXT DAY
  - [ ] 2 DAYS
  - [ ] 3 DAYS

DATA DELIVERABLE REQUIRED

- [ ] HARD COPY
- [x] PDF
- [ ] GEOTRACKER (GLOBAL ID) _____
- [ ] OTHER (PLEASE SPECIFY) _____

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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CHAIN OF CUSTODY RECORD

110601

AETL JOB No. 94892

COMPANY: Parsons
PROJECT MANAGER: Justin King
COMPANY ADDRESS: 100 West Walnut St, Pasadena
PHONE: 626-440-6133
FAX:
PROJECT NAME: Kennedy High School
PROJECT #:
SITE NAME AND ADDRESS: 11254 Gothic Granada Hills
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6010)	OCPs (8081A)	PCBs (8082)							TEST INSTRUCTIONS & COMMENTS
1	SS-35-D3.0	94892.16	11-19-18	1245	soil	1												Hold
2	SS-41-D0.5	94892.17		1249		1		X	X	X	~~X~~							no PCB analysis
3	SS-41-D0.5D	94892.18		1250		1		X	X	X	~~X~~							no PCB analysis
4	SS-41-D2.0	94892.19		1255		1												Hold
5	SS-41-D3.0	94892.20		1258		1												Hold
6	SS-31-D0.5	94892.21		1300		1		X	X	X								
7	SS-31-D2.0	94892.22		1305		1												Hold
8	SS-31-D3.0	94892.23		1308		1												Hold
9	SS-32-D0.5	94892.24		1311		1		X	X	X	X							
10	SS-32-D2.0	94892.25		1315		1												Hold
11	SS-32-D3.0	94892.26		1318		1												Hold
12	SS-18-D0.5	94892.27		1330		1		X	X	X								
13	SS-18-D2.0	94892.28		1335		1												Hold
14	SS-18-D3.0	94892.29		1338		1												Hold
15	SS-17-0.5	94892.30		1347		1		X	X	X								

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name:
Date: 11/19/18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: AETL 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 11/19/18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☒ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

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CHAIN OF CUSTODY RECORD

110800

AETL JOB No. 94892

COMPANY: Parsons
PROJECT MANAGER:
COMPANY ADDRESS: 100 West Walnut St Pasadena
PHONE:
FAX:
PROJECT NAME: Kennedy High School
PROJECT #:
SITE NAME AND ADDRESS: 11254 Gothic, Granada Hills, CA
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCPs (8081)	TEST INSTRUCTIONS & COMMENTS
1	SS-17-D2.0	94892.31	11-19-18	1350	soil	1					Hold
2	SS-17-D3.0	94892.32	11-19-18	1353	soil	1					Hold
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	2	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH
☐ SAME DAY
☐ NEXT DAY
☐ 2 DAYS
☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☒ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name: C. Pacillano
Date: 11/19/18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name: Christian Pacillano	Printed Name:	Printed Name:
Date: 11/19/18 Time: 1500	Date: Time:	Date: 11/19/18 Time: 1550

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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COOLER RECEIPT FORM

Client Name: Parson
Project Name:
AETL Job Number: 94891, 94892
Date Received: 11/19/18 Received by: AN
Carrier: ☒ AETL Courier ☐ Client ☐ GSO ☐ FedEx ☐ UPS
☐ Others:

Samples were received in: ☒ Cooler (2) ☐ Other (Specify): c
Inside temperature of shipping container No 1: 3.2°C, No 2: 3.3°C, No 3: ____
Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify):
How are samples preserved: ☐ None, ☒ Ice , ☐ Blue Ice, ☐ Dry Ice
_ None, _ HNO_3, _ NaOH, _ ZnOAc, _ HCl, _ $Na_2S_2O_3$, _ MeOH
_ Other (Specify):

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?		✓	
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	✓		

Explain all "No" answers for above questions:

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Project ID: KENNEDY HS
Date Received 11/19/2018
Date Reported 11/29/2018

Telephone: (626)440-6161
Attention: Justin King

Job Number	Order Date	Client
94892	11/19/2018	PARSNS

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 32 samples with the following specification on 11/19/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
94892.01	SS-40-D3.0	11/19/2018	Soil	1
94892.03	SS-38-D2.0	11/19/2018	Soil	1
94892.04	SS-38-D3.0	11/19/2018	Soil	1
94892.06	SS-39-D2.0	11/19/2018	Soil	1
94892.07	SS-39-D3.0	11/19/2018	Soil	1
94892.09	SS-37-D2.0	11/19/2018	Soil	1
94892.10	SS-37-D3.0	11/19/2018	Soil	1
94892.12	SS-36-D2.0	11/19/2018	Soil	1
94892.13	SS-36-D3.0	11/19/2018	Soil	1
94892.15	SS-35-D2.0	11/19/2018	Soil	1
94892.16	SS-35-D3.0	11/19/2018	Soil	1
94892.19	SS-41-D2.0	11/19/2018	Soil	1
94892.20	SS-41-D3.0	11/19/2018	Soil	1
94892.22	SS-31-D2.0	11/19/2018	Soil	1
94892.23	SS-31-D3.0	11/19/2018	Soil	1
94892.25	SS-32-D2.0	11/19/2018	Soil	1
94892.26	SS-32-D3.0	11/19/2018	Soil	1
94892.28	SS-18-D2.0	11/19/2018	Soil	1
94892.29	SS-18-D3.0	11/19/2018	Soil	1
94892.31	SS-17-D2.0	11/19/2018	Soil	1
94892.32	SS-17-D3.0	11/19/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	11/26/2018	2	Normal	--

94892.02	SS-38-D0.5	11/19/2018	Soil	1
94892.05	SS-39-D0.5	11/19/2018	Soil	1

Continued

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Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Justin King

Project ID: KENNEDY HS
Date Received 11/19/2018
Date Reported 11/29/2018

Job Number	Order Date	Client
94892	11/19/2018	PARSNS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

94892.08	SS-37-D0.5	11/19/2018	Soil	1
94892.11	SS-36-D0.5	11/19/2018	Soil	1
94892.14	SS-35-D0.5	11/19/2018	Soil	1
94892.17	SS-41-D0.5	11/19/2018	Soil	1
94892.18	SS-41-D0.5D	11/19/2018	Soil	1
94892.21	SS-31-D0.5	11/19/2018	Soil	1
94892.27	SS-18-D0.5	11/19/2018	Soil	1
94892.30	SS-17-D0.5	11/19/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	11/26/2018	2	Normal	mg/Kg
(6020) ^ AS	11/26/2018	2	Normal	mg/Kg
(8081A)	11/26/2018	2	Normal	ug/Kg

94892.24	SS-32-D0.5	11/19/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	11/26/2018	2	Normal	mg/Kg
(6020) ^ AS	11/26/2018	2	Normal	mg/Kg
(8081A)	11/26/2018	2	Normal	ug/Kg
(8082)	11/26/2018	2	Normal	ug/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King
Page: **2**

Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112618EB1

Our Lab I.D.			Method Blank	94892.02	94892.05	94892.08	94892.11
Client Sample I.D.				SS-38-D0.5	SS-39-D0.5	SS-37-D0.5	SS-36-D0.5
Date Sampled				11/19/2018	11/19/2018	11/19/2018	11/19/2018
Date Prepared			11/26/2018	11/26/2018	11/26/2018	11/26/2018	11/26/2018
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/26/2018	11/26/2018	11/26/2018	11/26/2018	11/26/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	6.53	3.09	3.41	3.13
Chlordane (alpha)	1.0	2.0	ND	3.14	1.38J	1.47J	1.69J
4,4'-DDD (DDD)	1.0	2.0	ND	1.55J	1.10J	1.94J	ND
4,4'-DDE (DDE)	1.0	2.0	ND	5.26	6.47	202	11.9
4,4'-DDT (DDT)	1.0	2.0	ND	7.93	4.14	13.7	6.05
Dieldrin	1.0	2.0	ND	2.67	1.80J	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	3.39	1.71J	1.94J	1.44J
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	85.0	170.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	94892.02	94892.05	94892.08	94892.11
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		53.6	49.6	39.8	52.2	48.0
Tetrachloro-m-xylene	30-150		36.6	39.4	31.8	39.6	41.0

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Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112618EB1

Our Lab I.D.			94892.14	94892.17	94892.18	94892.21	94892.24
Client Sample I.D.			SS-35-D0.5	SS-41-D0.5	SS-41-D0.5D	SS-31-D0.5	SS-32-D0.5
Date Sampled			11/19/2018	11/19/2018	11/19/2018	11/19/2018	11/19/2018
Date Prepared			11/26/2018	11/26/2018	11/26/2018	11/26/2018	11/26/2018
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/26/2018	11/26/2018	11/26/2018	11/26/2018	11/26/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	1.19J	ND	ND	3.47	1.26J
Chlordane (alpha)	1.0	2.0	ND	ND	ND	1.12J	ND
4,4'-DDD (DDD)	1.0	2.0	3.00	ND	ND	2.60	ND
4,4'-DDE (DDE)	1.0	2.0	10.3	2.58	5.93	145	5.90
4,4'-DDT (DDT)	1.0	2.0	9.83	ND	ND	8.92	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	2.35	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	85.0	170.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			94892.14	94892.17	94892.18	94892.21	94892.24
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		40.4	46.4	46.4	43.4	39.8
Tetrachloro-m-xylene	30-150		35.6	34.2	34.4	37.8	38.2

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112618EB1

Our Lab I.D.			**94892.27**	**94892.30**			
Client Sample I.D.			SS-18-D0.5	SS-17-D0.5			
Date Sampled			11/19/2018	11/19/2018			
Date Prepared			11/26/2018	11/26/2018			
Preparation Method			3550B	3550B			
Date Analyzed			11/26/2018	11/26/2018			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aldrin	1.0	2.0	ND	ND			
Chlordane (Total)	1.0	2.0	3.33	2.13			
Chlordane (alpha)	1.0	2.0	1.59J	1.09J			
4,4'-DDD (DDD)	1.0	2.0	1.32J	2.84			
4,4'-DDE (DDE)	1.0	2.0	12.6	15.1			
4,4'-DDT (DDT)	1.0	2.0	20.4	10.0			
Dieldrin	1.0	2.0	2.22	ND			
Endosulfan 1	1.0	2.0	ND	ND			
Endosulfan 11	1.0	2.0	ND	ND			
Endosulfan sulfate	1.0	2.0	ND	ND			
Endrin	1.0	2.0	ND	ND			
Endrin aldehyde	1.0	2.0	ND	ND			
Endrin ketone	1.0	2.0	ND	ND			
Chlordane (gamma)	1.0	2.0	1.74J	1.04J			
Heptachlor	1.0	2.0	ND	ND			
Heptachlor epoxide	1.0	2.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND			
Methoxychlor	5.0	10.0	ND	ND			
Toxaphene	85.0	170.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			94892.27	94892.30			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		46.6	47.4			
Tetrachloro-m-xylene	30-150		37.8	39.4			

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 112618ZB1

Our Lab I.D.			Method Blank	**94892.24**			
Client Sample I.D.				SS-32-D0.5			
Date Sampled				**11/19/2018**			
Date Prepared			**11/26/2018**	**11/26/2018**			
Preparation Method			**3550B**	**3550B**			
Date Analyzed			**11/26/2018**	**11/26/2018**			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aroclor-1016 (PCB-1016)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1221 (PCB-1221)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1232 (PCB-1232)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1242 (PCB-1242)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1248 (PCB-1248)	**25.0**	**50.0**	**ND**	**55.4**			
Aroclor-1254 (PCB-1254)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1260 (PCB-1260)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1262 (PCB-1262)	**25.0**	**50.0**	**ND**	**ND**			
Aroclor-1268 (PCB-1268)	**25.0**	**50.0**	**ND**	**ND**			
Our Lab I.D.			Method Blank	**94892.24**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Decachlorobiphenyl	**30-150**		**89.2**	**79.2**			
Tetrachloro-m-xylene	**30-150**		**66.4**	**97.2**			

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1127182C4

Our Lab I.D.			Method Blank	**94892.02**	**94892.05**	**94892.08**	**94892.11**
Client Sample I.D.				SS-38-D0.5	SS-39-D0.5	SS-37-D0.5	SS-36-D0.5
Date Sampled				**11/19/2018**	**11/19/2018**	**11/19/2018**	**11/19/2018**
Date Prepared			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**
Preparation Method			**3050B**	**3050B**	**3050B**	**3050B**	**3050B**
Date Analyzed			**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Lead	**2.5**	**5.0**	**ND**	**3.50J**	**3.41J**	**14.6**	**10.2**

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1127182C4

Our Lab I.D.			94892.14	94892.17	94892.18	94892.21	94892.24
Client Sample I.D.			SS-35-D0.5	SS-41-D0.5	SS-41-D0.5D	SS-31-D0.5	SS-32-D0.5
Date Sampled			11/19/2018	11/19/2018	11/19/2018	11/19/2018	11/19/2018
Date Prepared			11/27/2018	11/27/2018	11/27/2018	11/27/2018	11/27/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/28/2018	11/28/2018	11/28/2018	11/28/2018	11/28/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Lead	2.5	5.0	6.81	ND	ND	10.9	3.28J

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1127182C4

Our Lab I.D.			**94892.27**	**94892.30**			
Client Sample I.D.			SS-18-D0.5	SS-17-D0.5			
Date Sampled			**11/19/2018**	**11/19/2018**			
Date Prepared			**11/27/2018**	**11/27/2018**			
Preparation Method			**3050B**	**3050B**			
Date Analyzed			**11/28/2018**	**11/28/2018**			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Lead	**2.5**	**5.0**	**8.45**	**ND**			

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Kennedy HS-LAUSD
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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1127181C8

Our Lab I.D.			Method Blank	**94892.02**	**94892.05**	**94892.08**	**94892.11**
Client Sample I.D.				SS-38-D0.5	SS-39-D0.5	SS-37-D0.5	SS-36-D0.5
Date Sampled				**11/19/2018**	**11/19/2018**	**11/19/2018**	**11/19/2018**
Date Prepared			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**
Preparation Method			**3050B**	**3050B**	**3050B**	**3050B**	**3050B**
Date Analyzed			**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**	**11/28/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	**0.05**	**0.10**	**ND**	**2.52**	**3.38**	**2.03**	**2.73**

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1127181C8

Our Lab I.D.			94892.14	94892.17	94892.18	94892.21	94892.24
Client Sample I.D.			SS-35-D0.5	SS-41-D0.5	SS-41-D0.5D	SS-31-D0.5	SS-32-D0.5
Date Sampled			11/19/2018	11/19/2018	11/19/2018	11/19/2018	11/19/2018
Date Prepared			11/27/2018	11/27/2018	11/27/2018	11/27/2018	11/27/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/28/2018	11/28/2018	11/28/2018	11/28/2018	11/28/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	0.05	0.10	2.15	1.53	2.11	2.77	2.51

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1127181C8

Our Lab I.D.			**94892.27**	**94892.30**			
Client Sample I.D.			SS-18-D0.5	SS-17-D0.5			
Date Sampled			**11/19/2018**	**11/19/2018**			
Date Prepared			**11/27/2018**	**11/27/2018**			
Preparation Method			**3050B**	**3050B**			
Date Analyzed			**11/28/2018**	**11/28/2018**			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Arsenic	**0.05**	**0.10**	**1.58**	**1.81**			

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1127182C4; Dup or Spiked Sample: 94892.02; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	3.50	50.0	55.0	103	50.0	54.0	101	2.0	75-125	<15

QC Batch No: 1127182C4; Dup or Spiked Sample: 94892.02; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	54.5	109	50.0	55.5	111	1.8	75-125	<15	

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Telephone: (626)440-6161
Attn: Justin King

Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Page: **16**

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1127181C8; Dup or Spiked Sample: 94892.02; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	2.52	1.00	3.21 #	69.0	1.00	3.15 #	63.0	9.1	80-120	<15

QC Batch No: 1127181C8; Dup or Spiked Sample: 94892.02; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/28/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	1.00	0.972	97.2	1.00	0.927	92.7	4.7	80-120	<15	

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QUALITY CONTROL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Page: **17**

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112618EB1; Dup or Spiked Sample: 94892.17; LCS: Clean Sand; QC Prepared: 11/26/2018; QC Analyzed: 11/26/2018; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	12.4	62.0	20.0	12.5	62.5	<1	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	45.1	90.2	50.0	43.9	87.8	2.7	40-150	<40
Dieldrin	0.00	50.0	37.9	75.8	50.0	37.7	75.4	<1	40-150	<40
Endrin	0.00	50.0	37.2	74.4	50.0	37.1	74.2	<1	40-150	<40
Heptachlor	0.00	20.0	13.7	68.5	20.0	12.6	63.0	8.4	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	14.1	70.5	20.0	14.5	72.5	2.8	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	50.0	25.2	50.4	50.0	23.2	46.4	8.3	30-150	<40
Tetrachloro-m-xylene	0.00	50.0	17.3	34.6	50.0	19.3	38.6	10.9	30-150	<40

QC Batch No: 112618EB1; Dup or Spiked Sample: 94892.17; LCS: Clean Sand; QC Prepared: 11/26/2018; QC Analyzed: 11/26/2018; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aldrin	20.0	10.6	53.0	50-150						
4,4'-DDT (DDT)	50.0	37.3	74.6	50-150						
Dieldrin	50.0	35.8	71.6	50-150						
Endrin	50.0	31.3	62.6	50-150						
Heptachlor	20.0	11.2	56.0	50-150						
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	12.1	60.5	50-150						
Surrogates										
Decachlorobiphenyl	50.0	26.2	52.4	30-150						
Tetrachloro-m-xylene	50.0	16.3	32.6	30-150						

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QUALITY CONTROL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Page: **18**

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94892	11/19/2018	PARSNS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 112618ZB1; Dup or Spiked Sample: 94898.02; LCS: Clean Sand; QC Prepared: 11/26/2018; QC Analyzed: 11/26/2018; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	540	108	500	540	108	<1	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	426	85.2	500	409	81.8	4.1	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	24.0	96.0	25.0	20.3	81.2	16.7	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	22.5	90.0	25.0	21.5	86.0	4.5	30-150	<40

QC Batch No: 112618ZB1; Dup or Spiked Sample: 94898.02; LCS: Clean Sand; QC Prepared: 11/26/2018; QC Analyzed: 11/26/2018; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1016 (PCB-1016)	500	383	76.6	50-150						
Aroclor-1260 (PCB-1260)	500	372	74.4	50-150						
Surrogates										
Decachlorobiphenyl	25.0	21.6	86.4	30-150						
Tetrachloro-m-xylene	25.0	15.8	63.2	30-150						

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Justin King

Number of Pages 50
Date Received 11/20/2018
Date Reported 11/30/2018

Job Number	Order Date	Client
94925	11/20/2018	PARSNS

Project ID: KENNEDY HS
Project Name: Kennedy HS
Site: Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Enclosed please find results of analyses of 19 soil and 1 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

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CHAIN OF CUSTODY RECORD

110799

COMPANY: Parsons
PROJECT MANAGER: Justin King
COMPANY ADDRESS: 100 West Walnut St Pasadena
PHONE: 310-804-5793
FAX:
PROJECT NAME: Kennedy HS
PROJECT #:
SITE NAME AND ADDRESS: 11254 Gothic Granada Hills
PO #:

AETL JOB No. 94925

Page 1 of 4

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCPs (8081)	PCBs (8082)						TEST INSTRUCTIONS & COMMENTS
1	SS-15-D0.5	94925.01	11-20-18	0705	Soil	1		X	X	X							
2	SS-15-D2.0	94925.02		0715		1											Hold
3	SS-15-D3.0	94925.03		0720		1											Hold
4	SS-13-D0.5	94925.04		0728		1		X	X	X							
5	SS-13-D2.0	94925.05		0730		1											Hold
6	SS-13-D3.0	94925.06		0735		1											Hold
7	SS-16-D0.5	94925.07		0740		1		X	X	X							
8	SS-16-D2.0	94925.08		0743		1											Hold
9	SS-16-D3.0	94925.09		0745		1											Hold
10	SS-14-D0.5	94925.10		0752		1		X	X	X							
11	SS-14-D2.0	94925.11		0755		1											Hold
12	SS-14-D3.0	94925.12		0757		1											Hold
13	SS-9-D0.5	94925.13		0805		1		X	X	X	X						
14	SS-9-D2.0	94925.14		0812		1											Hold
15	SS-9-D3.0	94925.15		0816		1											Hold

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND	Y / N	SAMPLES ACCEPTED	Y / N

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name:
Date: 11-20-18 Time: 1545	Date: Time:	Date: Time:
RECEIVED BY: AETL 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature:
Printed Name: Ant	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:

TURN AROUND TIME

☑ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

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☑ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

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CHAIN OF CUSTODY RECORD

110798

COMPANY: Persons
PROJECT MANAGER: Justin K.
COMPANY ADDRESS: 100 West Walnut St. Pasadena
PHONE: 310-809-5743
FAX:
PROJECT NAME: Kennedy HS
PROJECT #:
SITE NAME AND ADDRESS: 11254 Gothic Granada Hills
PO #:

AETL JOB No. 94925

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCPs (8081)	PCBs (8082)	TEST INSTRUCTIONS & COMMENTS
1	SS-8-D0.5	94925.16	11-20-18	0822	Soil	1		X	X	X	X	
2	SS-8-D0.50	94925.17		0823		1		X	X	X	X	
3	SS-8-D2.0	94925.18		0825		1						Hold
4	SS-8-D3.0	94925.19		0836		1						Hold
5	SS-6-D0.5	94925.20		0842		1		X	X	X		
6	SS-6-D2.0	94925.21		0847		1						Hold
7	~~SS-6-D3.0~~					1						Hold
8	SS-3-D0.5	94925.22		0930		1		X	X	X		
9	SS-3-D2.0	94925.23		0935		1						Hold
10	SS-3-D3.0	94925.24		0937		1						Hold
11	SS-2-D0.5	94925.25		0953		1		X	X	X		
12	SS-2-D0.50	94925.26		0955		1		X	X	X		
13	SS-2-D2.0	94925.27		0957		1						Hold
14	SS-2-D3.0	94925.28		1005		1						Hold
15	SS-7-D0.5	94925.29		1015		1		X	X	X		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:
RECEIVED BY: AETL 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:

TURN AROUND TIME

☒ NORMAL ☐ RUSH
☐ SAME DAY
☐ NEXT DAY
☐ 2 DAYS
☐ 3 DAYS

DATA DELIVERABLE REQUIRED

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☒ PDF
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☐ OTHER (PLEASE SPECIFY) _____

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CHAIN OF CUSTODY RECORD

110796

COMPANY: Parsons
PROJECT MANAGER: Justin King
COMPANY ADDRESS: 100 West Walnut St
PHONE / FAX: 310-809-5743
PROJECT NAME: Kennedy HS
PROJECT #:
SITE NAME AND ADDRESS: 11254 Gothic Ave, Granada Hills
PO #:

AETL JOB No. 94925

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCPs (8081)	TPH (8015c)	VOCs (8260b)	TEST INSTRUCTIONS & COMMENTS
1	SS-7-D200	94925.30	11-20-18	1017	Soil	1							Hold
2	SS-7-D300	94925.31		1022		1							Hold
3	SS-1-D005	94925.32		1030		1		X	X	X			
4	SS-1-D200	94925.33		1032		1							Hold
5	SS-1-D300	94925.34		1035		1							Hold
6	SS-4-D005	94925.35		1055		1		X	X	X			
7	SS-4-D200	94925.36		1105		1							Hold
8	SS-4-D300	94925.37		1108		1							Hold
9	SS-5-D005	94925.38		1132		1		X	X	X			
10	SS-5-D200	94925.39		1138		1							Hold
11	SS-5-D300	94925.40		1142		1							Hold
12	SS-12-D005	94925.41		1225		1		X	X	X	X	X	
13	SS-12-D200	94925.42		1230		1							Hold
14	SS-12-D300	94925.43		1235		1							Hold
15	SS-11-D005	94925.44		1300		1		X	X	X	X	X	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	31	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS Y / N / NA		SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name:
Date: 11-20-18 Time: 1545	Date: Time:	Date: Time:
RECEIVED BY: AETL 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:

TURN AROUND TIME

- [x] NORMAL
- [ ] RUSH
  - [ ] SAME DAY
  - [ ] NEXT DAY
  - [ ] 2 DAYS
  - [ ] 3 DAYS

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CHAIN OF CUSTODY RECORD

110795

COMPANY: Parsons
PROJECT MANAGER: Justin King
COMPANY ADDRESS: 100 West Walnut St Pasadena
PHONE / FAX: 310-809-5793
PROJECT NAME: Kennedy HS
PROJECT #:
SITE NAME AND ADDRESS: 11254 Gothic Granada Hills
PO #:

AETL JOB No. 94925

Page 4 of 4

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCPs (8081)	TPH (8015cc)	VOCs (8260B)	Title 22 metals (6010B/7470A)				TEST INSTRUCTIONS & COMMENTS
1	SS-11-D2.0	94925.45	11-20-18	1305	Soil	9 oz											Hold
2	SS-11-D3.0	94925.46	↓	1315	↓	↓											Hold
3	SS-10-D0.5	94925.47	↓	1322	↓	↓		X	X	X	X	X					
4	SS-10-D0.50	94925.48	↓	1327	↓	↓		X	X	X	X	X					
5	SS-10-D2.0	94925.49	↓	1335	↓	↓											Hold
6	SS-10-D3.0	94925.50	↓	1340	↓	↓											Hold
7	IDW	94925.51	↓	1430	Water	Various	Various			X	X	X	X				
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	38	PROPERLY COOLED (Y) / N / NA	
CUSTODY SEALS Y / (N) / NA		SAMPLES INTACT (Y) / N / NA	
RECEIVED IN GOOD COND. (Y) N		SAMPLES ACCEPTED (Y) / N	

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature]	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature: AETL	Signature:	Signature:
Printed Name: Ant	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:

TURN AROUND TIME

- [x] NORMAL
- [ ] RUSH
  - [ ] SAME DAY
  - [ ] NEXT DAY
  - [ ] 2 DAYS
  - [ ] 3 DAYS

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- [ ] GEOTRACKER (GLOBAL ID) _____
- [ ] OTHER (PLEASE SPECIFY) _____

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COOLER RECEIPT FORM

Client Name: Parson

Project Name:

AETL Job Number: 94925

Date Received: 11/20/18 Received by: [illegible]

Carrier: ☐ AETL Courier ☑ Client ☐ GSO ☐ FedEx ☐ UPS

☐ Others:

Samples were received in: ☑ Cooler (2) ☐ Other (Specify):

Inside temperature of shipping container No 1: 3.3', No 2: 3.4 , No 3: ____

Type of sample containers: ☑ VOA, ☑ Glass bottles, ☑ Wide mouth jars, ☑ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify): ____

How are samples preserved: ☐ None, ☐ Ice , ☑ Blue Ice, ☐ Dry Ice

_ None, _ HNO_3, _ NaOH, _ ZnOAc, ✓ HCl, ✓ $Na_2S_2O_3$, _ MeOH

_ Other (Specify): ____

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?	NA		
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?		✓	
11. Are the jars free of headspace?		✓	

Explain all "No" answers for above questions:

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Justin King

Project ID: KENNEDY HS
Date Received 11/20/2018
Date Reported 11/30/2018

Job Number	Order Date	Client
94925	11/20/2018	PARSNS

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 51 samples with the following specification on 11/20/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
94925.51	IDW	11/20/2018	Aqueous	32

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	11/27/2018	2	Normal	mg/L
8081A	11/27/2018	2	Normal	ug/L
8260B	11/27/2018	2	Normal	ug/L
M8015D ^ C13-C40	11/27/2018	2	Normal	mg/L
M8015G	11/27/2018	2	Normal	mg/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
94925.01	SS-15-D0.5	11/20/2018	Soil	1
94925.04	SS-13-D0.5	11/20/2018	Soil	1
94925.07	SS-16-D0.5	11/20/2018	Soil	1
94925.10	SS-14-D0.5	11/20/2018	Soil	1
94925.20	SS-6-D0.5	11/20/2018	Soil	1
94925.22	SS-3-D0.5	11/20/2018	Soil	1
94925.25	SS-2-D0.5	11/20/2018	Soil	1
94925.26	SS-2-D0.5D	11/20/2018	Soil	1
94925.29	SS-7-D0.5	11/20/2018	Soil	1
94925.32	SS-1-D0.5	11/20/2018	Soil	1
94925.35	SS-4-D0.5	11/20/2018	Soil	1
94925.38	SS-5-D0.5	11/20/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	11/27/2018	2	Normal	mg/Kg
(6020) ^ AS	11/27/2018	2	Normal	mg/Kg
(8081A)	11/27/2018	2	Normal	ug/Kg

94925.02	SS-15-D2.0	11/20/2018	Soil	1

Continued

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Job Number	Order Date	Client
94925	11/20/2018	PARSNS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

94925.03	SS-15-D3.0	11/20/2018	Soil	1
94925.05	SS-13-D2.0	11/20/2018	Soil	1
94925.06	SS-13-D3.0	11/20/2018	Soil	1
94925.08	SS-16-D2.0	11/20/2018	Soil	1
94925.09	SS-16-D3.0	11/20/2018	Soil	1
94925.11	SS-14-D2.0	11/20/2018	Soil	1
94925.12	SS-14-D3.0	11/20/2018	Soil	1
94925.14	SS-9-D2.0	11/20/2018	Soil	1
94925.15	SS-9-D3.0	11/20/2018	Soil	1
94925.18	SS-8-D2.0	11/20/2018	Soil	1
94925.19	SS-8-D3.0	11/20/2018	Soil	1
94925.21	SS-6-D2.0	11/20/2018	Soil	1
94925.23	SS-3-D2.0	11/20/2018	Soil	1
94925.24	SS-3-D3.0	11/20/2018	Soil	1
94925.27	SS-2-D2.0	11/20/2018	Soil	1
94925.28	SS-2-D3.0	11/20/2018	Soil	1
94925.30	SS-7-D2.0	11/20/2018	Soil	1
94925.31	SS-7-D3.0	11/20/2018	Soil	1
94925.33	SS-1-D2.0	11/20/2018	Soil	1
94925.34	SS-1-D3.0	11/20/2018	Soil	1
94925.36	SS-4-D2.0	11/20/2018	Soil	1
94925.37	SS-4-D3.0	11/20/2018	Soil	1
94925.39	SS-5-D2.0	11/20/2018	Soil	1
94925.40	SS-5-D3.0	11/20/2018	Soil	1
94925.42	SS-12-D2.0	11/20/2018	Soil	1
94925.43	SS-12-D3.0	11/20/2018	Soil	1
94925.45	SS-11-D2.0	11/20/2018	Soil	1
94925.46	SS-11-D3.0	11/20/2018	Soil	1
94925.49	SS-10-D2.0	11/20/2018	Soil	1

Continued

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Telephone: (626)440-6161
Attention: Justin King

Project ID: KENNEDY HS
Date Received 11/20/2018
Date Reported 11/30/2018

Job Number	Order Date	Client
94925	11/20/2018	PARSNS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

94925.50	SS-10-D3.0	11/20/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	11/27/2018	2	Normal	--

94925.13	SS-9-D0.5	11/20/2018	Soil	1
94925.16	SS-8-D0.5	11/20/2018	Soil	1
94925.17	SS-8-D0.5D	11/20/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	11/27/2018	2	Normal	mg/Kg
(6020) ^ AS	11/27/2018	2	Normal	mg/Kg
(8081A)	11/27/2018	2	Normal	ug/Kg
(8082)	11/27/2018	2	Normal	ug/Kg

94925.41	SS-12-D0.5	11/20/2018	Soil	1
94925.44	SS-11-D0.5	11/20/2018	Soil	1
94925.47	SS-10-D0.5	11/20/2018	Soil	1
94925.48	SS-10-D0.5D	11/20/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	11/27/2018	2	Normal	mg/Kg
(6020) ^ AS	11/27/2018	2	Normal	mg/Kg
(8081A)	11/27/2018	2	Normal	ug/Kg
(8260B)	11/27/2018	2	Normal	ug/Kg
(M8015D) ^ C13-C40	11/27/2018	2	Normal	mg/Kg
(M8015G)	11/27/2018	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King
Page: **2**

Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1127182A1

Our Lab I.D.			Method Blank	**94925.41**	**94925.44**	**94925.47**	**94925.48**
Client Sample I.D.				SS-12-D0.5	SS-11-D0.5	SS-10-D0.5	SS-10-D0.5D
Date Sampled				**11/20/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**
Date Prepared			**11/27/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**
Preparation Method			**5030**	**5035A**	**5035A**	**5035A**	**5035A**
Date Analyzed			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	**25**	**50**	**ND**	**ND**	**ND**	**ND**	**ND**
Benzene	**1.0**	**10.0**	**ND**	**ND**	**ND**	**1.52J**	**1.57J**
Bromobenzene (Phenyl bromide)	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Bromochloromethane	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Bromodichloromethane	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Bromoform (Tribromomethane)	**25**	**50**	**ND**	**ND**	**ND**	**ND**	**ND**
Bromomethane (Methyl bromide)	**15**	**30**	**ND**	**ND**	**ND**	**ND**	**ND**
2-Butanone (MEK)	**25**	**50**	**ND**	**ND**	**ND**	**ND**	**ND**
n-Butylbenzene	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
sec-Butylbenzene	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
tert-Butylbenzene	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Carbon Disulfide	**25**	**50**	**ND**	**ND**	**ND**	**ND**	**ND**
Carbon tetrachloride	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Chlorobenzene	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Chloroethane	**15**	**30**	**ND**	**ND**	**ND**	**ND**	**ND**
2-Chloroethyl vinyl ether	**50**	**50**	**ND**	**ND**	**ND**	**ND**	**ND**
Chloroform (Trichloromethane)	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Chloromethane (Methyl chloride)	**15**	**30**	**ND**	**ND**	**ND**	**ND**	**ND**
2-Chlorotoluene	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
4-Chlorotoluene	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
1,2-Dibromo-3-chloropropane (DBCP)	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Dibromochloromethane	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
1,2-Dibromoethane (EDB)	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Dibromomethane	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
1,2-Dichlorobenzene	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
1,3-Dichlorobenzene	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
1,4-Dichlorobenzene	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Dichlorodifluoromethane	**15**	**30**	**ND**	**ND**	**ND**	**ND**	**ND**

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1127182A1

Our Lab I.D.			Method Blank	94925.41	94925.44	94925.47	94925.48
Client Sample I.D.				SS-12-D0.5	SS-11-D0.5	SS-10-D0.5	SS-10-D0.5D
Date Sampled				11/20/2018	11/20/2018	11/20/2018	11/20/2018
Date Prepared			11/27/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			11/27/2018	11/27/2018	11/27/2018	11/27/2018	11/27/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.0	5.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1127182A1

Our Lab I.D.			Method Blank	94925.41	94925.44	94925.47	94925.48
Client Sample I.D.				SS-12-D0.5	SS-11-D0.5	SS-10-D0.5	SS-10-D0.5D
Date Sampled				11/20/2018	11/20/2018	11/20/2018	11/20/2018
Date Prepared			11/27/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			11/27/2018	11/27/2018	11/27/2018	11/27/2018	11/27/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	94925.41	94925.44	94925.47	94925.48
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		93.8	99.7	96.7	99.4	97.6
Dibromofluoromethane	75-125		76.8	82.9	80.7	82.0	82.6
Toluene-d8	75-125		104	107	105	105	104

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ANALYTICAL RESULTS

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Site

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Granada Hills, CA 91344

Telephone: (626)440-6161
Attn: Justin King
Page: **5**

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 112618OB2

Our Lab I.D.			Method Blank	**94925.41**	**94925.44**	**94925.47**	**94925.48**
Client Sample I.D.				SS-12-D0.5	SS-11-D0.5	SS-10-D0.5	SS-10-D0.5D
Date Sampled				**11/20/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**
Date Prepared			**11/26/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**
Preparation Method			**5030**	**5035A**	**5035A**	**5035A**	**5035A**
Date Analyzed			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Gasoline and Light HC. (C4-C12)	**0.100**	**1.000**	**ND**	**ND**	**ND**	**ND**	**ND**
Our Lab I.D.			Method Blank	**94925.41**	**94925.44**	**94925.47**	**94925.48**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	**75-125**		**99.6**	**105**	**105**	**112**	**108**

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ANALYTICAL RESULTS

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Attn: Justin King

Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Page: **6**

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 112718PB1

Our Lab I.D.			Method Blank	**94925.41**	**94925.44**	**94925.47**	**94925.48**
Client Sample I.D.				SS-12-D0.5	SS-11-D0.5	SS-10-D0.5	SS-10-D0.5D
Date Sampled				**11/20/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**
Date Prepared			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**
Preparation Method			**3550B**	**3550B**	**3550B**	**3550B**	**3550B**
Date Analyzed			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	**1.0**	**5.0**	**ND**	**ND**	**ND**	**ND**	**ND**
TPH as Heavy Hydrocarbons (C23-C40)	**1.0**	**5.0**	**ND**	**ND**	**ND**	**ND**	**ND**
TPH Total as Diesel and Heavy HC.C13-C40	**1.0**	**5.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Our Lab I.D.			Method Blank	**94925.41**	**94925.44**	**94925.47**	**94925.48**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	**75-125**		**95.9**	**107**	**99.0**	**104**	**96.7**

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Attn: Justin King
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Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112618EB1

Our Lab I.D.			Method Blank	**94925.01**	**94925.04**	**94925.07**	**94925.10**
Client Sample I.D.				SS-15-D0.5	SS-13-D0.5	SS-16-D0.5	SS-14-D0.5
Date Sampled				**11/20/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**
Date Prepared			**11/26/2018**	**11/26/2018**	**11/26/2018**	**11/26/2018**	**11/26/2018**
Preparation Method			**3550B**	**3550B**	**3550B**	**3550B**	**3550B**
Date Analyzed			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aldrin	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Chlordane (Total)	**1.0**	**2.0**	**ND**	**3.92**	**27.0**	**ND**	**5.69**
Chlordane (alpha)	**1.0**	**2.0**	**ND**	**2.59**	**13.3**	**ND**	**3.14**
4,4'-DDD (DDD)	**1.0**	**2.0**	**ND**	**1.17J**	**1.58J**	**ND**	**ND**
4,4'-DDE (DDE)	**1.0**	**2.0**	**ND**	**5.53**	**9.74**	**ND**	**1.88J**
4,4'-DDT (DDT)	**1.0**	**2.0**	**ND**	**7.63**	**6.88**	**1.26J**	**2.82**
Dieldrin	**1.0**	**2.0**	**ND**	**2.38**	**3.70**	**ND**	**1.46J**
Endosulfan 1	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Endosulfan 11	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Endosulfan sulfate	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Endrin	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Endrin aldehyde	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Endrin ketone	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Chlordane (gamma)	**1.0**	**2.0**	**ND**	**1.33J**	**13.7**	**ND**	**2.55**
Heptachlor	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Heptachlor epoxide	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
alpha-Hexachlorocyclohexane (Alpha-BHC)	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
beta-Hexachlorocyclohexane (Betta-BHC)	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
delta-Hexachlorocyclohexane (Delta-BHC)	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	**1.0**	**2.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Methoxychlor	**5.0**	**10.0**	**ND**	**ND**	**ND**	**ND**	**ND**
Toxaphene	**25.0**	**50.0**	**ND**	**ND**	**ND**	**ND**	**ND**

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	94925.01	94925.04	94925.07	94925.10
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		104	103	56.4	88.0	94.8
Tetrachloro-m-xylene	30-150		82.4	94.4	51.2	66.0	70.4

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Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112618EB1

Our Lab I.D.			94925.13	94925.16	94925.17	94925.20	94925.22
Client Sample I.D.			SS-9-D0.5	SS-8-D0.5	SS-8-D0.5D	SS-6-D0.5	SS-3-D0.5
Date Sampled			11/20/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018
Date Prepared			11/26/2018	11/26/2018	11/26/2018	11/26/2018	11/26/2018
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/27/2018	11/27/2018	11/27/2018	11/27/2018	11/27/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	2.62	10.4	4.19	4.40	1.72J
Chlordane (alpha)	1.0	2.0	1.68J	3.82	1.84J	2.28	ND
4,4'-DDD (DDD)	1.0	2.0	3.34	8.30	2.70	3.93	1.56J
4,4'-DDE (DDE)	1.0	2.0	35.1	4,110	2,650	45.1	28.4
4,4'-DDT (DDT)	1.0	2.0	15.9	18.5	9.16	7.30	4.66
Dieldrin	1.0	2.0	1.90J	6.49	ND	10.5	2.17
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	6.55	2.35	2.12	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			94925.13	94925.16	94925.17	94925.20	94925.22
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		96.8	121	76.8	108	87.6
Tetrachloro-m-xylene	30-150		74.8	61.6	72.4	83.6	72.8

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Site

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Granada Hills, CA 91344

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112618EB1

Our Lab I.D.			94925.25	94925.26	94925.29	94925.32	94925.35
Client Sample I.D.			SS-2-D0.5	SS-2-D0.5D	SS-7-D0.5	SS-1-D0.5	SS-4-D0.5
Date Sampled			11/20/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018
Date Prepared			11/26/2018	11/26/2018	11/26/2018	11/26/2018	11/26/2018
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/27/2018	11/27/2018	11/27/2018	11/27/2018	11/27/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	2.01	1.41J	2.13	ND	32.2
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	15.8
4,4'-DDD (DDD)	1.0	2.0	2.58	1.06J	ND	ND	8.13
4,4'-DDE (DDE)	1.0	2.0	27.4	13.9	2.02	4.08	95.0
4,4'-DDT (DDT)	1.0	2.0	7.26	2.26	ND	ND	44.6
Dieldrin	1.0	2.0	1.86J	ND	1.53J	ND	10.2
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	1.22J	ND	1.28J	ND	16.4
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			94925.25	94925.26	94925.29	94925.32	94925.35
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		88.4	86.4	94.4	94.0	90.0
Tetrachloro-m-xylene	30-150		79.6	57.2	83.2	90.4	87.2

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Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112618EB1

Our Lab I.D.			94925.38	94925.41	94925.44	94925.47	94925.48
Client Sample I.D.			SS-5-D0.5	SS-12-D0.5	SS-11-D0.5	SS-10-D0.5	SS-10-D0.5D
Date Sampled			11/20/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018
Date Prepared			11/26/2018	11/26/2018	11/26/2018	11/26/2018	11/26/2018
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/27/2018	11/27/2018	11/27/2018	11/27/2018	11/27/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	6.55	6.23	2.52	ND	ND
Chlordane (alpha)	1.0	2.0	2.66	2.90	1.26J	ND	ND
4,4'-DDD (DDD)	1.0	2.0	4.62	5.18	1.80J	ND	ND
4,4'-DDE (DDE)	1.0	2.0	38.9	38.2	33.3	2.42	6.07
4,4'-DDT (DDT)	1.0	2.0	ND	20.9	4.26	2.00	3.25
Dieldrin	1.0	2.0	7.64	7.31	4.42	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	3.89	3.33	1.26J	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			94925.38	94925.41	94925.44	94925.47	94925.48
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		99.6	96.8	95.2	82.8	150
Tetrachloro-m-xylene	30-150		88.0	84.0	88.8	66.8	133

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 112718ZB1

Our Lab I.D.			Method Blank	**94925.13**	**94925.16**	**94925.17**	
Client Sample I.D.				SS-9-D0.5	SS-8-D0.5	SS-8-D0.5D	
Date Sampled				**11/20/2018**	**11/20/2018**	**11/20/2018**	
Date Prepared			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	
Preparation Method			**3550B**	**3550B**	**3550B**	**3550B**	
Date Analyzed			**11/27/2018**	**11/27/2018**	**11/27/2018**	**11/27/2018**	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Aroclor-1016 (PCB-1016)	**25.0**	**50.0**	**ND**	**ND**	**ND**	**ND**	
Aroclor-1221 (PCB-1221)	**25.0**	**50.0**	**ND**	**ND**	**ND**	**ND**	
Aroclor-1232 (PCB-1232)	**25.0**	**50.0**	**ND**	**ND**	**ND**	**ND**	
Aroclor-1242 (PCB-1242)	**25.0**	**50.0**	**ND**	**ND**	**ND**	**ND**	
Aroclor-1248 (PCB-1248)	**25.0**	**50.0**	**ND**	**ND**	**ND**	**ND**	
Aroclor-1254 (PCB-1254)	**25.0**	**50.0**	**ND**	**ND**	**ND**	**ND**	
Aroclor-1260 (PCB-1260)	**25.0**	**50.0**	**ND**	**ND**	**ND**	**ND**	
Aroclor-1262 (PCB-1262)	**25.0**	**50.0**	**ND**	**ND**	**ND**	**ND**	
Aroclor-1268 (PCB-1268)	**25.0**	**50.0**	**ND**	**ND**	**ND**	**ND**	
Our Lab I.D.			Method Blank	**94925.13**	**94925.16**	**94925.17**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Decachlorobiphenyl	**30-150**		**86.4**	**83.6**	**109**	**69.2**	
Tetrachloro-m-xylene	**30-150**		**89.6**	**79.6**	**81.2**	**67.2**	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1129182C5

Our Lab I.D.			Method Blank	**94925.01**	**94925.04**	**94925.07**	**94925.10**
Client Sample I.D.				SS-15-D0.5	SS-13-D0.5	SS-16-D0.5	SS-14-D0.5
Date Sampled				**11/20/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**
Date Prepared			**11/29/2018**	**11/29/2018**	**11/29/2018**	**11/29/2018**	**11/29/2018**
Preparation Method			**3050B**	**3050B**	**3050B**	**3050B**	**3050B**
Date Analyzed			**11/30/2018**	**11/30/2018**	**11/30/2018**	**11/30/2018**	**11/30/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Lead	**2.5**	**5.0**	**ND**	**6.74**	**4.38J**	**5.26**	**3.94J**

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1129182C5

Our Lab I.D.			94925.13	94925.16	94925.17	94925.20	94925.22
Client Sample I.D.			SS-9-D0.5	SS-8-D0.5	SS-8-D0.5D	SS-6-D0.5	SS-3-D0.5
Date Sampled			11/20/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018
Date Prepared			11/29/2018	11/29/2018	11/29/2018	11/29/2018	11/29/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/30/2018	11/30/2018	11/30/2018	11/30/2018	11/30/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Lead	2.5	5.0	5.85	81.6	55.0	8.76	5.21

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1129182C5

Our Lab I.D.			**94925.25**				
Client Sample I.D.			SS-2-D0.5				
Date Sampled			**11/20/2018**				
Date Prepared			**11/29/2018**				
Preparation Method			**3050B**				
Date Analyzed			**11/30/2018**				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Lead	**2.5**	**5.0**	**5.02**				

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1129182C6

Our Lab I.D.			Method Blank	**94925.26**	**94925.29**	**94925.32**	**94925.35**
Client Sample I.D.				SS-2-D0.5D	SS-7-D0.5	SS-1-D0.5	SS-4-D0.5
Date Sampled				**11/20/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**
Date Prepared			**11/29/2018**	**11/29/2018**	**11/29/2018**	**11/29/2018**	**11/29/2018**
Preparation Method			**3050B**	**3050B**	**3050B**	**3050B**	**3050B**
Date Analyzed			**11/30/2018**	**11/30/2018**	**11/30/2018**	**11/30/2018**	**11/30/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Lead	**2.5**	**5.0**	**ND**	**5.36**	**4.17J**	**7.09**	**3.63J**

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1129182C6

Our Lab I.D.			**94925.38**	**94925.41**	**94925.44**	**94925.47**	**94925.48**
Client Sample I.D.			SS-5-D0.5	SS-12-D0.5	SS-11-D0.5	SS-10-D0.5	SS-10-D0.5D
Date Sampled			11/20/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018
Date Prepared			11/29/2018	11/29/2018	11/29/2018	11/29/2018	11/29/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/30/2018	11/30/2018	11/30/2018	11/30/2018	11/30/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Lead	2.5	5.0	6.00	9.77	4.62J	3.25J	2.63J

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1129181C1

Our Lab I.D.			Method Blank	**94925.01**	**94925.04**	**94925.07**	**94925.10**
Client Sample I.D.				SS-15-D0.5	SS-13-D0.5	SS-16-D0.5	SS-14-D0.5
Date Sampled				**11/20/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**
Date Prepared			**11/29/2018**	**11/29/2018**	**11/29/2018**	**11/29/2018**	**11/29/2018**
Preparation Method			**3050B**	**3050B**	**3050B**	**3050B**	**3050B**
Date Analyzed			**11/30/2018**	**11/30/2018**	**11/30/2018**	**11/30/2018**	**11/30/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	**0.05**	**0.10**	**ND**	**2.39**	**1.99**	**3.07**	**2.18**

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1129181C1

Our Lab I.D.			**94925.13**	**94925.16**	**94925.17**	**94925.20**	**94925.22**
Client Sample I.D.			SS-9-D0.5	SS-8-D0.5	SS-8-D0.5D	SS-6-D0.5	SS-3-D0.5
Date Sampled			11/20/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018
Date Prepared			11/29/2018	11/29/2018	11/29/2018	11/29/2018	11/29/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/30/2018	11/30/2018	11/30/2018	11/30/2018	11/30/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	0.05	0.10	2.35	3.93	4.16	2.65	2.02

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1129181C1

Our Lab I.D.			**94925.25**				
Client Sample I.D.			SS-2-D0.5				
Date Sampled			**11/20/2018**				
Date Prepared			**11/29/2018**				
Preparation Method			**3050B**				
Date Analyzed			**11/30/2018**				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Arsenic	**0.05**	**0.10**	**2.46**				

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1129181C2

Our Lab I.D.			Method Blank	**94925.26**	**94925.29**	**94925.32**	**94925.35**
Client Sample I.D.				SS-2-D0.5D	SS-7-D0.5	SS-1-D0.5	SS-4-D0.5
Date Sampled				**11/20/2018**	**11/20/2018**	**11/20/2018**	**11/20/2018**
Date Prepared			**11/29/2018**	**11/29/2018**	**11/29/2018**	**11/29/2018**	**11/29/2018**
Preparation Method			**3050B**	**3050B**	**3050B**	**3050B**	**3050B**
Date Analyzed			**11/30/2018**	**11/30/2018**	**11/30/2018**	**11/30/2018**	**11/30/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	**0.05**	**0.10**	**ND**	**2.11**	**1.52**	**1.74**	**2.04**

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1129181C2

Our Lab I.D.			94925.38	94925.41	94925.44	94925.47	94925.48
Client Sample I.D.			SS-5-D0.5	SS-12-D0.5	SS-11-D0.5	SS-10-D0.5	SS-10-D0.5D
Date Sampled			11/20/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018
Date Prepared			11/29/2018	11/29/2018	11/29/2018	11/29/2018	11/29/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/30/2018	11/30/2018	11/30/2018	11/30/2018	11/30/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	0.05	0.10	1.88	1.69	1.51	1.55	1.09

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1126181A1

Our Lab I.D.			Method Blank	**94925.51**			
Client Sample I.D.				IDW			
Date Sampled				**11/20/2018**			
Date Prepared			**11/26/2018**	**11/20/2018**			
Preparation Method			**5030B**	**5030B**			
Date Analyzed			**11/26/2018**	**11/26/2018**			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	10	10	ND	ND			
Benzene	0.5	1.0	ND	ND			
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND			
Bromochloromethane	0.5	1.0	ND	ND			
Bromodichloromethane	0.5	1.0	ND	ND			
Bromoform (Tribromomethane)	2.5	5.0	ND	ND			
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND			
2-Butanone (MEK)	5.0	5.0	ND	ND			
n-Butylbenzene	0.5	1.0	ND	ND			
sec-Butylbenzene	0.5	1.0	ND	ND			
tert-Butylbenzene	0.5	1.0	ND	ND			
Carbon Disulfide	0.5	1.0	ND	ND			
Carbon tetrachloride	0.5	1.0	ND	ND			
Chlorobenzene	0.5	1.0	ND	ND			
Chloroethane	1.5	3.0	ND	ND			
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND			
Chloroform (Trichloromethane)	0.5	1.0	ND	ND			
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND			
2-Chlorotoluene	0.5	1.0	ND	ND			
4-Chlorotoluene	0.5	1.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND			
Dibromochloromethane	0.5	1.0	ND	ND			
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND			
Dibromomethane	0.5	1.0	ND	ND			
1,2-Dichlorobenzene	0.5	1.0	ND	ND			
1,3-Dichlorobenzene	0.5	1.0	ND	ND			
1,4-Dichlorobenzene	0.5	1.0	ND	ND			
Dichlorodifluoromethane	1.5	3.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1126181A1

Our Lab I.D.			Method Blank	**94925.51**			
Client Sample I.D.				IDW			
Date Sampled				**11/20/2018**			
Date Prepared			**11/26/2018**	**11/20/2018**			
Preparation Method			**5030B**	**5030B**			
Date Analyzed			**11/26/2018**	**11/26/2018**			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,1-Dichloroethane	**0.5**	**1.0**	**ND**	**ND**			
1,2-Dichloroethane (EDC)	**0.5**	**1.0**	**ND**	**ND**			
1,1-Dichloroethene	**0.5**	**1.0**	**ND**	**ND**			
cis-1,2-Dichloroethene	**0.5**	**1.0**	**ND**	**ND**			
trans-1,2-Dichloroethene	**0.5**	**1.0**	**ND**	**ND**			
1,2-Dichloropropane	**0.5**	**1.0**	**ND**	**ND**			
1,3-Dichloropropane	**0.5**	**1.0**	**ND**	**ND**			
2,2-Dichloropropane	**0.5**	**1.0**	**ND**	**ND**			
1,1-Dichloropropene	**0.5**	**1.0**	**ND**	**ND**			
cis-1,3-Dichloropropene	**0.5**	**1.0**	**ND**	**ND**			
trans-1,3-Dichloropropene	**0.5**	**1.0**	**ND**	**ND**			
Ethylbenzene	**0.5**	**1.0**	**ND**	**ND**			
Hexachlorobutadiene	**1.5**	**3.0**	**ND**	**ND**			
2-Hexanone	**2.5**	**5.0**	**ND**	**ND**			
Iodomethane	**0.5**	**1.0**	**ND**	**ND**			
Isopropylbenzene	**0.5**	**1.0**	**ND**	**ND**			
p-Isopropyltoluene	**0.5**	**1.0**	**ND**	**ND**			
4-Methyl-2-pentanone (MIBK)	**2.5**	**5.0**	**ND**	**ND**			
Methyl-tert-butyl ether (MTBE)	**0.5**	**1.0**	**ND**	**ND**			
Methylene chloride (DCM)	**2.0**	**4.0**	**ND**	**ND**			
Naphthalene	**0.5**	**1.0**	**ND**	**ND**			
n-Propylbenzene	**0.5**	**1.0**	**ND**	**ND**			
Styrene	**0.5**	**1.0**	**ND**	**ND**			
1,1,1,2-Tetrachloroethane	**0.5**	**1.0**	**ND**	**ND**			
1,1,2,2-Tetrachloroethane	**0.5**	**1.0**	**ND**	**ND**			
Tetrachloroethene	**0.5**	**1.0**	**ND**	**ND**			
Toluene (Methyl benzene)	**0.5**	**1.0**	**ND**	**ND**			
1,2,3-Trichlorobenzene	**0.5**	**1.0**	**ND**	**ND**			
1,2,4-Trichlorobenzene	**0.5**	**1.0**	**ND**	**ND**			
1,1,1-Trichloroethane	**0.5**	**1.0**	**ND**	**ND**			
1,1,2-Trichloroethane	**0.5**	**1.0**	**ND**	**ND**			
Trichloroethene	**0.5**	**1.0**	**ND**	**ND**			
Trichlorofluoromethane	**0.5**	**1.0**	**ND**	**ND**			
1,2,3-Trichloropropane	**0.5**	**1.0**	**ND**	**ND**			

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1126181A1

Our Lab I.D.			Method Blank	**94925.51**			
Client Sample I.D.				IDW			
Date Sampled				**11/20/2018**			
Date Prepared			**11/26/2018**	**11/20/2018**			
Preparation Method			**5030B**	**5030B**			
Date Analyzed			**11/26/2018**	**11/26/2018**			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichlorotrifluoroethane (Freon-113)	**0.5**	**1.0**	**ND**	**ND**			
1,2,4-Trimethylbenzene	**0.5**	**1.0**	**ND**	**ND**			
1,3,5-Trimethylbenzene	**0.5**	**1.0**	**ND**	**ND**			
Vinyl Acetate	**0.5**	**5.0**	**ND**	**ND**			
Vinyl chloride (Chloroethene)	**0.5**	**3.0**	**ND**	**ND**			
o-Xylene	**0.5**	**1.0**	**ND**	**ND**			
m,p-Xylenes	**1.0**	**2.0**	**ND**	**ND**			
Our Lab I.D.			Method Blank	**94925.51**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	**75-125**		**98.8**	**96.4**			
Dibromofluoromethane	**75-125**		**102**	**106**			
Toluene-d8	**75-125**		**112**	**112**			

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 112618NB1

Our Lab I.D.			Method Blank	**94925.51**			
Client Sample I.D.				IDW			
Date Sampled				**11/20/2018**			
Date Prepared			**11/26/2018**	**11/20/2018**			
Preparation Method			**5030**	**5030B**			
Date Analyzed			**11/26/2018**	**11/27/2018**			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	**0.005**	**0.010**	**ND**	**ND**			
Our Lab I.D.			Method Blank	**94925.51**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	**75-125**		**108**	**104**			

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 112718DB1

Our Lab I.D.			Method Blank	**94925.51**			
Client Sample I.D.				IDW			
Date Sampled				**11/20/2018**			
Date Prepared			**11/27/2018**	**11/27/2018**			
Preparation Method			**3510C**	**3510C**			
Date Analyzed			**11/27/2018**	**11/27/2018**			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Diesel (C13-C22)	**0.1**	**0.5**	**ND**	**1.15**			
TPH as Heavy Hydrocarbons (C23-C40)	**0.1**	**0.5**	**ND**	**0.601**			
TPH Total as Diesel and Heavy HC.C13-C40	**0.1**	**0.5**	**ND**	**1.75**			
Our Lab I.D.			Method Blank	**94925.51**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Chlorobenzene	**60-125**		**90.5**	**106**			

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: 8081A, Organochlorine Pesticides by GC/ECD

QC Batch No: 112718EB1

Our Lab I.D.			Method Blank	**94925.51**			
Client Sample I.D.				IDW			
Date Sampled				**11/20/2018**			
Date Prepared			**11/27/2018**	**11/27/2018**			
Preparation Method			**3550B**	**3550B**			
Date Analyzed			**11/27/2018**	**11/27/2018**			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aldrin	**0.05**	**0.10**	**ND**	**ND**			
Chlordane (Total)	**0.50**	**1.00**	**ND**	**ND**			
Chlordane (alpha)	**0.05**	**0.10**	**ND**	**ND**			
4,4'-DDD (DDD)	**0.10**	**0.20**	**ND**	**ND**			
4,4'-DDE (DDE)	**0.10**	**0.20**	**ND**	**ND**			
4,4'-DDT (DDT)	**0.10**	**0.20**	**ND**	**ND**			
Dieldrin	**0.10**	**0.20**	**ND**	**ND**			
Endosulfan 1	**0.05**	**0.10**	**ND**	**ND**			
Endosulfan 11	**0.10**	**0.20**	**ND**	**ND**			
Endosulfan sulfate	**0.10**	**0.20**	**ND**	**ND**			
Endrin	**0.10**	**0.20**	**ND**	**ND**			
Endrin aldehyde	**0.10**	**0.20**	**ND**	**ND**			
Endrin ketone	**0.10**	**0.20**	**ND**	**ND**			
Chlordane (gamma)	**0.05**	**0.10**	**ND**	**ND**			
Heptachlor	**0.05**	**0.10**	**ND**	**ND**			
Heptachlor epoxide	**0.05**	**0.10**	**ND**	**ND**			
alpha-Hexachlorocyclohexane (Alpha-BHC)	**0.05**	**0.10**	**ND**	**ND**			
beta-Hexachlorocyclohexane (Betta-BHC)	**0.05**	**0.10**	**ND**	**ND**			
delta-Hexachlorocyclohexane (Delta-BHC)	**0.05**	**0.10**	**ND**	**ND**			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	**0.05**	**0.10**	**ND**	**ND**			
Methoxychlor	**0.50**	**1.00**	**ND**	**ND**			
Toxaphene	**5.0**	**10.0**	**ND**	**ND**			

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: 8081A, Organochlorine Pesticides by GC/ECD

Our Lab I.D.			Method Blank	94925.51			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Decachlorobiphenyl	30-150		94.4	52.6			
Tetrachloro-m-xylene	30-150		68.2	61.2			

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 1126182C2

Our Lab I.D.			Method Blank	**94925.51**			
Client Sample I.D.				IDW			
Date Sampled				**11/20/2018**			
Date Prepared			**11/26/2018**	**11/26/2018**			
Preparation Method			**200.2**	**200.2**			
Date Analyzed			**11/27/2018**	**11/27/2018**			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	**0.05**	**0.10**	**ND**	**ND**			
Arsenic	**0.05**	**0.10**	**ND**	**ND**			
Barium	**0.03**	**0.05**	**ND**	**0.561**			
Beryllium	**0.01**	**0.05**	**ND**	**ND**			
Cadmium	**0.01**	**0.05**	**ND**	**ND**			
Chromium	**0.01**	**0.05**	**ND**	**0.187**			
Cobalt	**0.01**	**0.05**	**ND**	**0.0640**			
Copper	**0.01**	**0.05**	**ND**	**0.131**			
Lead	**0.05**	**0.10**	**ND**	**0.0564J**			
Mercury (By EPA 7470)	**0.001**	**0.002**	**ND**	**ND**			
Molybdenum	**0.01**	**0.05**	**ND**	**0.0109J**			
Nickel	**0.01**	**0.05**	**ND**	**0.153**			
Selenium	**0.05**	**0.10**	**ND**	**ND**			
Silver	**0.01**	**0.05**	**ND**	**ND**			
Thallium	**0.05**	**0.10**	**ND**	**ND**			
Vanadium	**0.03**	**0.05**	**ND**	**0.259**			
Zinc	**0.01**	**0.05**	**ND**	**0.430**			

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 1126182C2; Dup or Spiked Sample: 94882.02; LCS: Clean Water; QC Prepared: 11/26/2018; QC Analyzed: 11/27/2018; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	1.00	0.966	96.6	1.00	0.966	96.6	<1	75-125	<15
Arsenic	0.00	1.00	0.979	97.9	1.00	1.00	100	2.1	75-125	<15
Barium	0.0803	1.00	0.968	88.8	1.00	0.963	88.3	<1	75-125	<15
Beryllium	0.00	1.00	0.959	95.9	1.00	0.947	94.7	1.3	75-125	<15
Cadmium	0.00	1.00	0.950	95.0	1.00	0.949	94.9	<1	75-125	<15
Chromium	0.00	1.00	0.941	94.1	1.00	0.939	93.9	<1	75-125	<15
Cobalt	0.00	1.00	0.914	91.4	1.00	0.911	91.1	<1	75-125	<15
Copper	0.125	1.00	1.10	97.5	1.00	1.09	96.5	1.0	75-125	<15
Lead	0.00	1.00	0.839	83.9	1.00	0.846	84.6	<1	75-125	<15
Mercury (By EPA 7470)	0.0380	0.0100	0.0480	100	0.0100	0.0480	99.5	<1	75-125	<15
Molybdenum	0.00	1.00	0.907	90.7	1.00	0.915	91.5	<1	75-125	<15
Nickel	0.00	1.00	0.885	88.5	1.00	0.926	92.6	4.5	75-125	<15
Selenium	0.00	1.00	0.940	94.0	1.00	0.954	95.4	1.5	75-125	<15
Silver	0.00	1.00	0.952	95.2	1.00	0.947	94.7	<1	75-125	<15
Thallium	0.00	1.00	0.833	83.3	1.00	0.832	83.2	<1	75-125	<15
Vanadium	0.00	1.00	0.976	97.6	1.00	0.971	97.1	<1	75-125	<15
Zinc	0.141	1.00	1.05	90.9	1.00	1.10	95.9	5.4	75-125	<15

QC Batch No: 1126182C2; Dup or Spiked Sample: 94882.02; LCS: Clean Water; QC Prepared: 11/26/2018; QC Analyzed: 11/27/2018; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	0.939	93.9	1.00	0.954	95.4	1.6	75-125	<15	
Arsenic	1.00	0.967	96.7	1.00	0.977	97.7	1.0	75-125	<15	
Barium	1.00	0.910	91.0	1.00	0.922	92.2	1.3	75-125	<15	
Beryllium	1.00	0.945	94.5	1.00	0.942	94.2	<1	75-125	<15	
Cadmium	1.00	0.981	98.1	1.00	0.985	98.5	<1	75-125	<15	
Chromium	1.00	0.935	93.5	1.00	0.942	94.2	<1	75-125	<15	
Cobalt	1.00	0.906	90.6	1.00	0.909	90.9	<1	75-125	<15	
Copper	1.00	0.924	92.4	1.00	0.939	93.9	1.6	75-125	<15	
Lead	1.00	0.874	87.4	1.00	0.881	88.1	<1	75-125	<15	
Mercury (By EPA 7470)	0.0100	0.00992	99.2	0.0100	0.0100	100	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 1126182C2; Dup or Spiked Sample: 94882.02; LCS: Clean Water; QC Prepared: 11/26/2018; QC Analyzed: 11/27/2018; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Molybdenum	1.00	0.919	91.9	1.00	0.919	91.9	<1	75-125	<15	
Nickel	1.00	0.912	91.2	1.00	0.915	91.5	<1	75-125	<15	
Selenium	1.00	0.961	96.1	1.00	0.982	98.2	2.2	75-125	<15	
Silver	1.00	0.957	95.7	1.00	0.971	97.1	1.5	75-125	<15	
Thallium	1.00	0.874	87.4	1.00	0.879	87.9	<1	75-125	<15	
Vanadium	1.00	0.969	96.9	1.00	0.982	98.2	1.3	75-125	<15	
Zinc	1.00	1.04	104	1.00	1.05	105	<1	75-125	<15	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: 8081A, Organochlorine Pesticides by GC/ECD

QC Batch No: 112718EB1; Dup or Spiked Sample: 1127; LCS: Clean Water; QC Prepared: 11/27/2018; QC Analyzed: 11/27/2018; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	0.400	0.404	101	0.400	0.404	101	<1	40-140	<40
4,4'-DDT (DDT)	0.00	1.00	0.839	83.9	1.00	0.921	92.1	9.3	40-140	<40
Dieldrin	0.00	1.00	1.04	104	1.00	1.06	106	1.9	40-140	<40
Endrin	0.00	1.00	0.772	77.2	1.00	0.839	83.9	8.3	40-140	<40
Heptachlor	0.00	0.400	0.287	71.8	0.400	0.293	73.3	2.1	40-140	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	0.400	0.380	95.0	0.400	0.412	103	8.1	40-140	<40
Surrogates										
Decachlorobiphenyl	0.00	0.500	0.444	88.8	0.500	0.462	92.4	4.0	30-150	<20
Tetrachloro-m-xylene	0.00	0.500	0.399	79.8	0.500	0.391	78.2	2.0	30-150	<20

QC Batch No: 112718EB1; Dup or Spiked Sample: 1127; LCS: Clean Water; QC Prepared: 11/27/2018; QC Analyzed: 11/27/2018; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aldrin	0.400	0.373	93.3	40-140						
4,4'-DDT (DDT)	1.00	0.871	87.1	40-140						
Dieldrin	1.00	0.986	98.6	40-140						
Endrin	1.00	0.774	77.4	40-140						
Heptachlor	0.400	0.266	66.5	40-140						
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.400	0.347	86.8	40-140						
Surrogates										
Decachlorobiphenyl	0.500	0.457	91.4	30-150						
Tetrachloro-m-xylene	0.500	0.335	67.0	30-150						

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1126181A1; Dup or Spiked Sample: B1126181A1; LCS: Clean Water; QC Prepared: 11/26/2018; QC Analyzed: 11/26/2018; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	52.0	104	50.0	51.5	103	<1	75-125	<20
Carbon tetrachloride	0.00	50.0	50.5	101	50.0	49.6	99.2	1.8	75-125	<20
Chlorobenzene	0.00	50.0	55.0	110	50.0	55.0	110	<1	75-125	<20
Chloroform (Trichloromethane)	0.00	50.0	54.5	109	50.0	54.5	109	<1	75-125	<20
1,2-Dichlorobenzene	0.00	50.0	47.7	95.4	50.0	48.3	96.6	1.3	75-125	<20
1,1-Dichloroethane	0.00	50.0	53.5	107	50.0	53.5	107	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	53.5	107	50.0	53.5	107	<1	75-125	<20
cis-1,2-Dichloroethene	0.00	50.0	55.0	110	50.0	55.0	110	<1	75-125	<20
Ethylbenzene	0.00	50.0	55.0	110	50.0	55.5	111	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	50.5	101	50.0	51.0	102	<1	75-125	<20
n-Propylbenzene	0.00	50.0	44.5	89.0	50.0	44.5	89.0	<1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	57.0	114	50.0	57.0	114	<1	75-125	<20
1,1,1-Trichloroethane	0.00	50.0	50.5	101	50.0	51.5	103	2.0	75-125	<20
1,1,2-Trichloroethane	0.00	50.0	53.5	107	50.0	54.0	108	<1	75-125	<20
Trichloroethene	0.00	50.0	59.0	118	50.0	58.0	116	1.7	75-125	<20
1,2,4-Trimethylbenzene	0.00	50.0	44.9	89.8	50.0	45.2	90.4	<1	75-125	<20
1,3,5-Trimethylbenzene	0.00	50.0	45.0	90.0	50.0	45.6	91.2	1.3	75-125	<20
o-Xylene	0.00	50.0	55.5	111	50.0	55.5	111	<1	75-125	<20
m,p-Xylenes	0.00	100	113	113	100	114	114	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	40.9	81.8	50.0	40.4	80.8	1.2	75-125	<20
Dibromofluoromethane	0.00	50.0	58.5	117	50.0	59.0	118	<1	75-125	<20
Toluene-d8	0.00	50.0	57.0	114	50.0	56.5	113	<1	75-125	<20

QC Batch No: 1126181A1; Dup or Spiked Sample: B1126181A1; LCS: Clean Water; QC Prepared: 11/26/2018; QC Analyzed: 11/26/2018; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	50.0	100	50.0	48.9	97.8	2.2	75-125	<20	
Carbon tetrachloride	50.0	49.3	98.6	50.0	47.0	94.0	4.8	75-125	<20	
Chlorobenzene	50.0	53.5	107	50.0	52.0	104	2.8	75-125	<20	
Chloroform (Trichloromethane)	50.0	46.8	93.6	50.0	46.6	93.2	<1	75-125	<20	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1126181A1; Dup or Spiked Sample: B1126181A1; LCS: Clean Water; QC Prepared: 11/26/2018; QC Analyzed: 11/26/2018; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
1,2-Dichlorobenzene	50.0	46.7	93.4	50.0	46.5	93.0	<1	75-125	<20	
1,1-Dichloroethane	50.0	47.7	95.4	50.0	46.5	93.0	2.5	75-125	<20	
1,1-Dichloroethene	50.0	49.0	98.0	50.0	47.3	94.6	3.5	75-125	<20	
cis-1,2-Dichloroethene	50.0	47.9	95.8	50.0	47.5	95.0	<1	75-125	<20	
Ethylbenzene	50.0	54.5	109	50.0	52.5	105	3.7	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	44.0	88.0	50.0	44.0	88.0	<1	75-125	<20	
n-Propylbenzene	50.0	44.7	89.4	50.0	43.0	86.0	3.9	75-125	<20	
Toluene (Methyl benzene)	50.0	56.5	113	50.0	54.5	109	3.6	75-125	<20	
1,1,1-Trichloroethane	50.0	49.7	99.4	50.0	47.4	94.8	4.7	75-125	<20	
1,1,2-Trichloroethane	50.0	49.2	98.4	50.0	49.0	98.0	<1	75-125	<20	
Trichloroethene	50.0	55.5	111	50.0	54.5	109	1.8	75-125	<20	
1,2,4-Trimethylbenzene	50.0	44.6	89.2	50.0	43.5	87.0	2.5	75-125	<20	
1,3,5-Trimethylbenzene	50.0	45.4	90.8	50.0	44.0	88.0	3.1	75-125	<20	
o-Xylene	50.0	54.5	109	50.0	53.0	106	2.8	75-125	<20	
m,p-Xylenes	100	111	111	100	107	107	3.7	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	44.3	88.5	50.0	43.7	87.3	1.4	75-125	<20	
Dibromofluoromethane	50.0	47.9	95.8	50.0	48.6	97.2	1.5	75-125	<20	
Toluene-d8	50.0	54.5	109	50.0	54.5	109	<1	75-125	<20	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 112718DB1; Dup or Spiked Sample: 1127; LCS: Clean Water; QC Prepared: 11/27/2018; QC Analyzed: 11/27/2018; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	5.00	5.10	102	5.00	5.30	106	3.8	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	2.14	107	2.00	2.04	102	4.8	60-125	<20

QC Batch No: 112718DB1; Dup or Spiked Sample: 1127; LCS: Clean Water; QC Prepared: 11/27/2018; QC Analyzed: 11/27/2018; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	5.00	5.40	108	75-125						
Surrogates										
Chlorobenzene	2.00	1.99	99.5	60-125						

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 112618NB1; Dup or Spiked Sample: B112618NB1; LCS: Clean Water; QC Prepared: 11/26/2018;MS Analyzed: 11/27/2018; LCS Analyzed: 11/26/2018; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.495	99.0	0.500	0.481	96.2	2.9	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0500	100	0.0500	0.0493	98.6	1.4	75-125	<20

QC Batch No: 112618NB1; Dup or Spiked Sample: B112618NB1; LCS: Clean Water; QC Prepared: 11/26/2018;MS Analyzed: 11/27/2018; LCS Analyzed: 11/26/2018; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.520	104	0.500	0.500	100	3.9	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0590	118	0.0500	0.0550	110	7.0	75-125	<20	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1129182C5; Dup or Spiked Sample: 94925.01; LCS: Clean Sand; QC Prepared: 11/29/2018; QC Analyzed: 11/30/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	6.74	50.0	52.5	91.5	50.0	53.1	92.7	1.3	75-125	<15

QC Batch No: 1129182C5; Dup or Spiked Sample: 94925.01; LCS: Clean Sand; QC Prepared: 11/29/2018; QC Analyzed: 11/30/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1129182C6; Dup or Spiked Sample: 94925.26; LCS: Clean Sand; QC Prepared: 11/29/2018; QC Analyzed: 11/30/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	5.36	50.0	52.2	93.7	50.0	52.9	95.1	1.5	75-125	<15

QC Batch No: 1129182C6; Dup or Spiked Sample: 94925.26; LCS: Clean Sand; QC Prepared: 11/29/2018; QC Analyzed: 11/30/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	51.0	102	50.0	51.5	103	<1	75-125	<15	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1129181C1; Dup or Spiked Sample: 94925.01; LCS: Clean Sand; QC Prepared: 11/29/2018; QC Analyzed: 11/30/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	2.39	1.00	3.58	119	1.00	3.43	104	13.5	80-120	<15

QC Batch No: 1129181C1; Dup or Spiked Sample: 94925.01; LCS: Clean Sand; QC Prepared: 11/29/2018; QC Analyzed: 11/30/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	1.00	0.990	99.0	1.00	0.997	99.7	<1	80-120	<15	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1129181C2; Dup or Spiked Sample: 94925.26; LCS: Clean Sand; QC Prepared: 11/29/2018; QC Analyzed: 11/30/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	2.11	1.00	3.18	107	1.00	3.18	107	<1	80-120	<15

QC Batch No: 1129181C2; Dup or Spiked Sample: 94925.26; LCS: Clean Sand; QC Prepared: 11/29/2018; QC Analyzed: 11/30/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	1.00	0.953	95.3	1.00	0.950	95.0	<1	80-120	<15	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 112618EB1; Dup or Spiked Sample: 94925.47; LCS: Clean Sand; QC Prepared: 11/26/2018; QC Analyzed: 11/27/2018; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	21.4	107	20.0	22.6	113	5.5	40-150	<40
4,4'-DDT (DDT)	2.00	50.0	77.0	150	50.0	76.0	148	1.3	40-150	<40
Dieldrin	0.00	50.0	54.5	109	50.0	59.0	118	7.9	40-150	<40
Endrin	0.00	50.0	48.7	97.4	50.0	53.5	107	9.4	40-150	<40
Heptachlor	0.00	20.0	17.6	88.0	20.0	18.3	91.5	3.9	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	21.2	106	20.0	22.4	112	5.5	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	26.5	106	25.0	28.5	114	7.3	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	17.6	70.4	25.0	23.4	93.6	28.3	30-150	<40

QC Batch No: 112618EB1; Dup or Spiked Sample: 94925.47; LCS: Clean Sand; QC Prepared: 11/26/2018; QC Analyzed: 11/27/2018; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Aldrin	20.0	16.3	81.5	20.0	16.2	81.0	<1	50-150	<40	
4,4'-DDT (DDT)	50.0	54.5	109	50.0	55.5	111	1.8	50-150	<40	
Dieldrin	50.0	46.3	92.6	50.0	46.3	92.6	<1	50-150	<40	
Endrin	50.0	37.2	74.4	50.0	38.0	76.0	2.1	50-150	<40	
Heptachlor	20.0	13.3	66.5	20.0	13.5	67.5	1.5	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	14.9	74.5	20.0	13.2	66.0	12.1	50-150	<40	
Surrogates										
Decachlorobiphenyl	25.0	24.7	98.8	25.0	30.5	122	21.0	30-150	<40	
Tetrachloro-m-xylene	25.0	16.6	66.4	25.0	17.6	70.4	5.8	30-150	<40	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 112718ZB1; Dup or Spiked Sample: 94925.13; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/27/2018; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	483	96.6	500	590	118	19.9	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	411	82.2	500	449	89.8	8.8	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	20.7	82.8	25.0	21.9	87.6	5.6	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	22.8	91.2	25.0	24.4	97.6	6.8	30-150	<40

QC Batch No: 112718ZB1; Dup or Spiked Sample: 94925.13; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/27/2018; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Aroclor-1016 (PCB-1016)	500	274	54.8	500	345	69.0	22.9	50-150	<40	
Aroclor-1260 (PCB-1260)	500	510	102	500	445	89.0	13.6	50-150	<40	
Surrogates										
Decachlorobiphenyl	25.0	27.5	110	25.0	21.0	84.0	26.8	30-150	<40	
Tetrachloro-m-xylene	25.0	21.3	85.2	25.0	18.4	73.6	14.6	30-150	<40	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1127182A1; Dup or Spiked Sample: 94925.47; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/27/2018; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	1.52	50.0	43.1	83.2	50.0	43.1	83.2	<1	75-125	<20
Carbon tetrachloride	0.00	50.0	40.2	80.4	50.0	41.2	82.4	2.5	75-125	<20
Chlorobenzene	0.00	50.0	41.2	82.4	50.0	41.3	82.6	<1	75-125	<20
Chloroform (Trichloromethane)	0.00	50.0	41.3	82.6	50.0	40.2	80.4	2.7	75-125	<20
1,2-Dichlorobenzene	0.00	50.0	39.0	78.0	50.0	38.2	76.4	2.1	75-125	<20
1,1-Dichloroethane	0.00	50.0	43.2	86.4	50.0	42.2	84.4	2.3	75-125	<20
1,1-Dichloroethene	0.00	50.0	41.4	82.8	50.0	41.6	83.2	<1	75-125	<20
cis-1,2-Dichloroethene	0.00	50.0	34.0 #	68.0	50.0	33.3 #	66.6	2.1	75-125	<20
Ethylbenzene	0.00	50.0	40.8	81.6	50.0	40.7	81.4	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	45.4	90.8	50.0	39.3	78.6	14.4	75-125	<20
n-Propylbenzene	0.00	50.0	38.2	76.4	50.0	38.3	76.6	<1	75-125	<20
Toluene (Methyl benzene)	0.530	50.0	42.4	83.7	50.0	42.4	83.7	<1	75-125	<20
1,1,1-Trichloroethane	0.00	50.0	39.9	79.8	50.0	40.2	80.4	<1	75-125	<20
1,1,2-Trichloroethane	0.00	50.0	41.2	82.4	50.0	38.8	77.6	6.0	75-125	<20
Trichloroethene	0.00	50.0	45.8	91.6	50.0	46.0	92.0	<1	75-125	<20
1,2,4-Trimethylbenzene	0.00	50.0	41.6	83.2	50.0	41.4	82.8	<1	75-125	<20
1,3,5-Trimethylbenzene	0.00	50.0	39.6	79.2	50.0	39.8	79.6	<1	75-125	<20
o-Xylene	0.00	50.0	41.2	82.4	50.0	40.8	81.6	<1	75-125	<20
m,p-Xylenes	0.00	100	82.7	82.7	100	82.5	82.5	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	45.3	90.6	50.0	45.9	91.8	1.3	75-125	<20
Dibromofluoromethane	0.00	50.0	39.4	78.7	50.0	38.4	76.7	2.6	75-125	<20
Toluene-d8	0.00	50.0	51.0	102	50.0	51.5	103	<1	75-125	<20

QC Batch No: 1127182A1; Dup or Spiked Sample: 94925.47; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/27/2018; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	47.1	94.2	50.0	47.0	94.0	<1	75-125	<20	
Carbon tetrachloride	50.0	44.0	88.0	50.0	45.0	90.0	2.2	75-125	<20	
Chlorobenzene	50.0	45.9	91.8	50.0	46.5	93.0	1.3	75-125	<20	
Chloroform (Trichloromethane)	50.0	40.5	81.0	50.0	40.1	80.2	<1	75-125	<20	

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QUALITY CONTROL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1127182A1; Dup or Spiked Sample: 94925.47; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/27/2018; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
1,2-Dichlorobenzene	50.0	45.8	91.6	50.0	46.0	92.0	<1	75-125	<20	
1,1-Dichloroethane	50.0	37.8	75.6	50.0	45.5	91.0	18.5	75-125	<20	
1,1-Dichloroethene	50.0	38.3	76.6	50.0	45.0	90.0	16.1	75-125	<20	
cis-1,2-Dichloroethene	50.0	37.9	75.8	50.0	38.2	76.4	<1	75-125	<20	
Ethylbenzene	50.0	44.8	89.6	50.0	45.5	91.0	1.6	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	41.5	82.9	50.0	40.0	80.0	3.6	75-125	<20	
n-Propylbenzene	50.0	42.2	84.4	50.0	42.5	85.0	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	45.7	91.4	50.0	47.0	94.0	2.8	75-125	<20	
1,1,1-Trichloroethane	50.0	42.4	84.8	50.0	43.0	86.0	1.4	75-125	<20	
1,1,2-Trichloroethane	50.0	48.6	97.2	50.0	49.0	98.0	<1	75-125	<20	
Trichloroethene	50.0	47.9	95.8	50.0	48.0	96.0	<1	75-125	<20	
1,2,4-Trimethylbenzene	50.0	45.9	91.8	50.0	46.0	92.0	<1	75-125	<20	
1,3,5-Trimethylbenzene	50.0	43.8	87.6	50.0	44.0	88.0	<1	75-125	<20	
o-Xylene	50.0	45.5	91.0	50.0	46.0	92.0	1.1	75-125	<20	
m,p-Xylenes	100	91.6	91.6	100	93.5	93.5	2.1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	45.5	90.9	50.0	45.6	91.2	<1	75-125	<20	
Dibromofluoromethane	50.0	37.9	75.8	50.0	37.9	75.8	<1	75-125	<20	
Toluene-d8	50.0	50.5	101	50.0	51.5	103	2.0	75-125	<20	

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QUALITY CONTROL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Page: **49**

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 112718PB1; Dup or Spiked Sample: 94925.47; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/27/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	500	100	500	498	99.6	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	92.6	92.6	100	90.2	90.2	2.6	75-125	<20

QC Batch No: 112718PB1; Dup or Spiked Sample: 94925.47; LCS: Clean Sand; QC Prepared: 11/27/2018; QC Analyzed: 11/27/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	465	93.0	500	500	100	7.3	75-125	<20	
Surrogates										
Chlorobenzene	100	93.8	93.8	100	97.2	97.2	3.6	75-125	<20	

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100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Justin King

Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Page: **50**

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 112618OB2; Dup or Spiked Sample: 94925.47A; LCS: Clean Sand; QC Prepared: 11/26/2018;MS Analyzed: 11/27/2018; LCS Analyzed: 11/26/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.841	84.1	1.00	0.842	84.2	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0500	100	0.0500	0.0510	102	2.0	75-125	<20

QC Batch No: 112618OB2; Dup or Spiked Sample: 94925.47A; LCS: Clean Sand; QC Prepared: 11/26/2018;MS Analyzed: 11/27/2018; LCS Analyzed: 11/26/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.983	98.3	1.00	0.981	98.1	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0530	106	0.0500	0.0545	109	2.8	75-125	<20	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Justin King

Number of Pages 9
Date Received 11/20/2018
Date Reported 12/10/2018

Job Number	Order Date	Client
94925	11/20/2018	PARSNS

Project ID: KENNEDY HS
Project Name: Kennedy HS
Site: Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Enclosed please find results of analyses of 3 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

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CHAIN OF CUSTODY RECORD

110799

AETL JOB No. 94925

COMPANY: Parsons
PROJECT MANAGER: Justin King
COMPANY ADDRESS: 100 West Walnut St Pasadena
PHONE: 310-804-5793
FAX:
PROJECT NAME: Kennedy HS
PROJECT #:
SITE NAME AND ADDRESS: 11251 Gothic Granada Hills
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCPs (8081)	PCBs (8082)							TEST INSTRUCTIONS & COMMENTS
1	SS-15-D0.5	94925.01	11-20-18	0705	Soil	1		X	X	X								*(0)
2	SS-15-D2.0	94925.02		0715		1												*(0)
3	SS-15-D3.0	94925.03		0720		1												Hold
4	SS-13-D0.5	94925.04		0728		1		X	X	X								Hold
5	SS-13-D2.0	94925.05		0730		1												
6	SS-13-D3.0	94925.06		0735		1												Hold
7	SS-16-D0.5	94925.07		0740		1		X	X	X								Hold
8	SS-16-D2.0	94925.08		0743		1												
9	SS-16-D3.0	94925.09		0745		1												Hold
10	SS-14-D0.5	94925.10		0752		1		X	X	X								Hold
11	SS-14-D2.0	94925.11		0755		1												
12	SS-14-D3.0	94925.12		0757		1												Hold
13	SS-9-D0.5	94925.13		0805		1		X	X	X	X							Hold
14	SS-9-D2.0	94925.14		0812		1												
15	SS-9-D3.0	94925.15	↓	0816	↓	1												Hold

ANALYSIS REQUESTED

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☑ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

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☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name:
Date: 11-20-18 Time: 1545	Date: Time:	Date: Time:
RECEIVED BY: AETL 1.	**RECEIVED BY:** 2.	**RECEIVED BY LABORATORY:** 3.
Signature:	Signature:	Signature:
Printed Name: Ant	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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CHAIN OF CUSTODY RECORD

110798

COMPANY: Persons
PROJECT MANAGER: Justin K.
COMPANY ADDRESS: 100 West Walnut St. Pasadena
PHONE: 310-809-5743
FAX:
PROJECT NAME: Kennedy HS
PROJECT #:
SITE NAME AND ADDRESS: 11254 Gothic Granada Hills
PO #:
AETL JOB No. CH925
Page 2 of 3

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCPs (8081)	PCBs (8082)		STLC LEAD					TEST INSTRUCTIONS & COMMENTS
																		*(2) 12/3 *(1) 12/5
1	SS-8-D0.5	94925.16	11-20-18	0822	Soil	1		X	X	X	X		*					
2	SS-8-D0.50	94925.17		0823		1		X	X	X	X							
3	SS-8-D2.0	94925.18		0825		1		*		*								~~Hold~~
4	SS-8-D3.0	94925.19		0836		1		*		*								~~Hold~~
5	SS-6-D0.5	94925.20		0842		1		X	X	X								
6	SS-6-D2.0	94925.21		0847		1												Hold
7	~~SS-6-D3.0~~					1												Hold
8	SS-3-D0.5	94925.22		0930		1		X	X	X								
9	SS-3-D2.0	94925.23		0935		1												Hold
10	SS-3-D3.0	94925.24		0937		1												Hold
11	SS-2-D0.5	94925.25		0953		1		X	X	X								
12	SS-2-D0.50	94925.26		0955		1		X	X	X								
13	SS-2-D2.0	94925.27		0957		1												Hold
14	SS-2-D3.0	94925.28		1005		1												Hold
15	SS-7-D0.5	94925.29		1015		1		X	X	X								

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:
RECEIVED BY: AETL 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature:
Printed Name: AN	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

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CHAIN OF CUSTODY RECORD

110796

COMPANY: Parsons
PROJECT MANAGER: Justin King
COMPANY ADDRESS: 100 West Walnut St
PHONE / FAX: 310 809-5743
PROJECT NAME: Kennedy HS
PROJECT #:
SITE NAME AND ADDRESS: 11254 Gothic Ave, Granada Hills
PO #:

AETL JOB No. 94925

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCPs (8081)	TPH (8015CC)	VOCs (8260B)						TEST INSTRUCTIONS & COMMENTS
																		*(0)
																		⊛(0)
1	SS-7-D200	94925.30	11-20-18	1017	Soil	1												
2	SS-7-D300	94925.31		1022		1												Hold
3	SS-1-D005	94925.32		1030		1												Hold
4	SS-1-D200	94925.33		1032		1		X	X	X								
5	SS-1-D300	94925.34		1035		1												Hold
6	SS-4-D005	94925.35		1055		1												Hold
7	SS-4-D200	94925.36		1105		1		X	X	X								
8	SS-4-D300	94925.37		1108		1												Hold
9	SS-5-D005	94925.38		1132		1												Hold
10	SS-5-D200	94925.39		1138		1		X	X	X								
11	SS-5-D300	94925.40		1142		1												Hold
12	SS-12-D005	94925.41		1225		1												Hold
13	SS-12-D200	94925.42		1230		1		X	X	X	X	X						
14	SS-12-D300	94925.43		1235		1												Hold
15	SS-11-D005	94925.44		1300		1												Hold
								X	X	X	X	X						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	31	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☑ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

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☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name:
Date: 11-20-18 Time: 1545	Date: Time:	Date: Time:
RECEIVED BY: AETL 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature:
Printed Name: AK	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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CHAIN OF CUSTODY RECORD

110795

COMPANY: Parsons
PROJECT MANAGER: Justin King
COMPANY ADDRESS: 100 West Walnut St Pasadena
PHONE / FAX: 310-809-5793
PROJECT NAME: Kennedy HS
PROJECT #:
SITE NAME AND ADDRESS: 11254 Gothic, Granada Hills
PO #:

AETL JOB No. 94925

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	Arsenic (6020)	OCPs (8081)	TPH (8015 cc)	VOCs (8260B)	TPH 22 metals (CAM 17 / 7470)				TEST INSTRUCTIONS & COMMENTS
1	SS-11-D2.0	94925.45	11-20-18	1305	Soil	9 oz											*(0)
2	SS-11-D3.0	94925.46	↓	1315	↓	↓											*(0)
3	SS-10-D0.5	94925.47	↓	1322	↓	↓		X	X	X	X	X					Hold
4	SS-10-D0.5D	94925.48	↓	1327	↓	↓		X	X	X	X	X					Hold
5	SS-10-D2.0	94925.49	↓	1335	↓	↓											Hold
6	SS-10-D3.0	94925.50	↓	1340	↓	↓											Hold
7	IDW	94925.51	↓	1430	Water	Various	Various			X	X	X	X				
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	38	PROPERLY COOLED (Y) / N / NA	
CUSTODY SEALS Y / (N) / NA		SAMPLES INTACT (Y) / N / NA	
RECEIVED IN GOOD COND. (Y) N		SAMPLES ACCEPTED (Y) / N	

TURN AROUND TIME

☑ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

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☐ GEOTRACKER (GLOBAL ID) _____
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RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Justin King	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:
RECEIVED BY: AETL 1.	**RECEIVED BY:** 2.	**RECEIVED BY LABORATORY:** 3.
Signature:	Signature:	Signature:
Printed Name: AH	Printed Name:	Printed Name:
Date: 11/20/18 Time: 1545	Date: Time:	Date: Time:

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Justin King

Project ID: KENNEDY HS
Date Received 11/20/2018
Date Reported 12/10/2018

Job Number	Order Date	Client
94925	11/20/2018	PARSNS

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 51 samples with the following specification on 11/20/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
94925.51	IDW	11/20/2018	Aqueous	32

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	11/27/2018	2	Normal	mg/L
8081A	11/27/2018	2	Normal	ug/L
8260B	11/27/2018	2	Normal	ug/L
M8015D ^ C13-C40	11/27/2018	2	Normal	mg/L
M8015G	11/27/2018	2	Normal	mg/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
94925.01	SS-15-D0.5	11/20/2018	Soil	1
94925.04	SS-13-D0.5	11/20/2018	Soil	1
94925.07	SS-16-D0.5	11/20/2018	Soil	1
94925.10	SS-14-D0.5	11/20/2018	Soil	1
94925.20	SS-6-D0.5	11/20/2018	Soil	1
94925.22	SS-3-D0.5	11/20/2018	Soil	1
94925.25	SS-2-D0.5	11/20/2018	Soil	1
94925.26	SS-2-D0.5D	11/20/2018	Soil	1
94925.29	SS-7-D0.5	11/20/2018	Soil	1
94925.32	SS-1-D0.5	11/20/2018	Soil	1
94925.35	SS-4-D0.5	11/20/2018	Soil	1
94925.38	SS-5-D0.5	11/20/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	11/27/2018	2	Normal	mg/Kg
(6020) ^ AS	11/27/2018	2	Normal	mg/Kg
(8081A)	11/27/2018	2	Normal	ug/Kg

94925.02	SS-15-D2.0	11/20/2018	Soil	1

Continued

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Project ID: KENNEDY HS
Date Received 11/20/2018
Date Reported 12/10/2018

Telephone: (626)440-6161
Attention: Justin King

Job Number	Order Date	Client
94925	11/20/2018	PARSNS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

94925.03	SS-15-D3.0	11/20/2018	Soil	1
94925.05	SS-13-D2.0	11/20/2018	Soil	1
94925.06	SS-13-D3.0	11/20/2018	Soil	1
94925.08	SS-16-D2.0	11/20/2018	Soil	1
94925.09	SS-16-D3.0	11/20/2018	Soil	1
94925.11	SS-14-D2.0	11/20/2018	Soil	1
94925.12	SS-14-D3.0	11/20/2018	Soil	1
94925.14	SS-9-D2.0	11/20/2018	Soil	1
94925.15	SS-9-D3.0	11/20/2018	Soil	1
94925.21	SS-6-D2.0	11/20/2018	Soil	1
94925.23	SS-3-D2.0	11/20/2018	Soil	1
94925.24	SS-3-D3.0	11/20/2018	Soil	1
94925.27	SS-2-D2.0	11/20/2018	Soil	1
94925.28	SS-2-D3.0	11/20/2018	Soil	1
94925.30	SS-7-D2.0	11/20/2018	Soil	1
94925.31	SS-7-D3.0	11/20/2018	Soil	1
94925.33	SS-1-D2.0	11/20/2018	Soil	1
94925.34	SS-1-D3.0	11/20/2018	Soil	1
94925.36	SS-4-D2.0	11/20/2018	Soil	1
94925.37	SS-4-D3.0	11/20/2018	Soil	1
94925.39	SS-5-D2.0	11/20/2018	Soil	1
94925.40	SS-5-D3.0	11/20/2018	Soil	1
94925.42	SS-12-D2.0	11/20/2018	Soil	1
94925.43	SS-12-D3.0	11/20/2018	Soil	1
94925.45	SS-11-D2.0	11/20/2018	Soil	1
94925.46	SS-11-D3.0	11/20/2018	Soil	1
94925.49	SS-10-D2.0	11/20/2018	Soil	1
94925.50	SS-10-D3.0	11/20/2018	Soil	1

Method ^ Submethod	*Req Date*	*Priority*	*TAT*	*Units*
ARCHIVE	11/27/2018	2	Normal	--

Continued

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Telephone: (626)440-6161
Attention: Justin King

Project ID: KENNEDY HS
Date Received 11/20/2018
Date Reported 12/10/2018

Job Number	Order Date	Client
94925	11/20/2018	PARSNS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
94925.13	SS-9-D0.5	11/20/2018	Soil	1
94925.17	SS-8-D0.5D	11/20/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	11/27/2018	2	Normal	mg/Kg
(6020) ^ AS	11/27/2018	2	Normal	mg/Kg
(8081A)	11/27/2018	2	Normal	ug/Kg
(8082)	11/27/2018	2	Normal	ug/Kg

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
94925.16	SS-8-D0.5	11/20/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B-STLC) ^ STLC-PB	11/27/2018	2	Normal	mg/L
(6010B.LEAD)	11/27/2018	2	Normal	mg/Kg
(6020) ^ AS	11/27/2018	2	Normal	mg/Kg
(8081A)	11/27/2018	2	Normal	ug/Kg
(8082)	11/27/2018	2	Normal	ug/Kg

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
94925.18	SS-8-D2.0	11/20/2018	Soil	1
94925.19	SS-8-D3.0	11/20/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	11/27/2018	2	Normal	mg/Kg
(8081A)	11/27/2018	2	Normal	ug/Kg

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
94925.41	SS-12-D0.5	11/20/2018	Soil	1
94925.44	SS-11-D0.5	11/20/2018	Soil	1
94925.47	SS-10-D0.5	11/20/2018	Soil	1
94925.48	SS-10-D0.5D	11/20/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	11/27/2018	2	Normal	mg/Kg
(6020) ^ AS	11/27/2018	2	Normal	mg/Kg
(8081A)	11/27/2018	2	Normal	ug/Kg
(8260B)	11/27/2018	2	Normal	ug/Kg
(M8015D) ^ C13-C40	11/27/2018	2	Normal	mg/Kg
(M8015G)	11/27/2018	2	Normal	mg/Kg

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Telephone: (626)440-6161
Attention: Justin King

Project ID: KENNEDY HS
Date Received 11/20/2018
Date Reported 12/10/2018

Job Number	Order Date	Client
94925	11/20/2018	PARSNS

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

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ANALYTICAL RESULTS

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Page: **2**

Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 120418EB1

Our Lab I.D.			Method Blank	**94925.18**	**94925.19**		
Client Sample I.D.				SS-8-D2.0	SS-8-D3.0		
Date Sampled				**11/20/2018**	**11/20/2018**		
Date Prepared			**12/04/2018**	**12/04/2018**	**12/04/2018**		
Preparation Method			**3550B**	**3550B**	**3550B**		
Date Analyzed			**12/05/2018**	**12/05/2018**	**12/05/2018**		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Aldrin	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Chlordane (Total)	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Chlordane (alpha)	**1.0**	**2.0**	**ND**	**ND**	**ND**		
4,4'-DDD (DDD)	**1.0**	**2.0**	**ND**	**ND**	**ND**		
4,4'-DDE (DDE)	**1.0**	**2.0**	**ND**	**64.0**	**3.50**		
4,4'-DDT (DDT)	**1.0**	**2.0**	**ND**	**2.29**	**3.15**		
Dieldrin	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Endosulfan 1	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Endosulfan 11	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Endosulfan sulfate	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Endrin	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Endrin aldehyde	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Endrin ketone	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Chlordane (gamma)	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Heptachlor	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Heptachlor epoxide	**1.0**	**2.0**	**ND**	**ND**	**ND**		
alpha-Hexachlorocyclohexane (Alpha-BHC)	**1.0**	**2.0**	**ND**	**ND**	**ND**		
beta-Hexachlorocyclohexane (Betta-BHC)	**1.0**	**2.0**	**ND**	**ND**	**ND**		
delta-Hexachlorocyclohexane (Delta-BHC)	**1.0**	**2.0**	**ND**	**ND**	**ND**		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	**1.0**	**2.0**	**ND**	**ND**	**ND**		
Methoxychlor	**5.0**	**10.0**	**ND**	**ND**	**ND**		
Toxaphene	**25.0**	**50.0**	**ND**	**ND**	**ND**		

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	94925.18	94925.19		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		78.8	63.6	76.8		
Tetrachloro-m-xylene	30-150		58.0	92.8	97.2		

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ANALYTICAL RESULTS

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Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1203182C11

Our Lab I.D.			Method Blank	**94925.18**	**94925.19**		
Client Sample I.D.				SS-8-D2.0	SS-8-D3.0		
Date Sampled				**11/20/2018**	**11/20/2018**		
Date Prepared			**12/03/2018**	**12/03/2018**	**12/03/2018**		
Preparation Method			**3050B**	**3050B**	**3050B**		
Date Analyzed			**12/04/2018**	**12/04/2018**	**12/04/2018**		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Lead	**2.5**	**5.0**	**ND**	**4.82J**	**4.18J**		

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ANALYTICAL RESULTS

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Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1205182C12

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			12/05/2018				
Preparation Method			TITLE 22				
Date Analyzed			12/07/2018				
Matrix			Soil				
Units			mg/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Lead (STLC)	0.05	0.10	ND				

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ANALYTICAL RESULTS

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1205182C12

Our Lab I.D.			**94925.16**				
Client Sample I.D.			SS-8-D0.5				
Date Sampled			**11/20/2018**				
Date Prepared			**12/05/2018**				
Preparation Method			**TITLE 22**				
Date Analyzed			**12/07/2018**				
Matrix			Soil				
Units			mg/L				
Dilution Factor			10				
Analytes	**MDL**	**PQL**	**Results**				
Lead (STLC)	**0.50**	**1.00**	**3.35**				

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QUALITY CONTROL RESULTS

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Site

Kennedy HS-LAUSD
11254 Gothic Ave.
Granada Hills, CA 91344

Page: **7**

Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1205182C12; Dup or Spiked Sample: 95075.06; LCS: Clean Sand; LCS Prepared: 12/05/2018; LCS Analyzed: 12/07/2018; Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (STLC)	3.94	4.06	3.0	<20						

QC Batch No: 1205182C12; Dup or Spiked Sample: 95075.06; LCS: Clean Sand; LCS Prepared: 12/05/2018; LCS Analyzed: 12/07/2018; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead (STLC)	10.0	8.59	85.9	10.0	8.57	85.7	<1	80-120	<15	

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QUALITY CONTROL RESULTS

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1203182C11; Dup or Spiked Sample: 94925.18; LCS: Clean Sand; QC Prepared: 12/03/2018; QC Analyzed: 12/04/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	4.82	50.0	52.9	96.2	50.0	53.0	96.4	<1	75-125	<15

QC Batch No: 1203182C11; Dup or Spiked Sample: 94925.18; LCS: Clean Sand; QC Prepared: 12/03/2018; QC Analyzed: 12/04/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	52.5	105	50.0	52.5	105	<1	75-125	<15	

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Project ID: KENNEDY HS
Project Name: Kennedy HS

AETL Job Number	Submitted	Client
94925	11/20/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 120418EB1; Dup or Spiked Sample: 95030.16; LCS: Clean Sand; QC Prepared: 12/04/2018; QC Analyzed: 12/05/2018; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	19.2	96.0	20.0	18.0	90.0	6.5	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	58.0	116	50.0	55.5	111	4.4	40-150	<40
Dieldrin	0.00	50.0	50.5	101	50.0	49.0	98.0	3.0	40-150	<40
Endrin	0.00	50.0	64.0	128	50.0	63.0	126	1.6	40-150	<40
Heptachlor	0.00	20.0	14.8	74.0	20.0	11.5	57.5	25.1	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	19.1	95.5	20.0	18.3	91.5	4.3	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	21.0	84.0	25.0	20.9	83.6	<1	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	24.9	99.6	25.0	17.1	68.4	37.1	30-150	<40

QC Batch No: 120418EB1; Dup or Spiked Sample: 95030.16; LCS: Clean Sand; QC Prepared: 12/04/2018; QC Analyzed: 12/05/2018; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Aldrin	20.0	17.2	86.0	20.0	15.3	76.5	11.7	50-150	<40	
4,4'-DDT (DDT)	50.0	47.9	95.8	50.0	44.3	88.6	7.8	50-150	<40	
Dieldrin	50.0	47.5	95.0	50.0	42.6	85.2	10.9	50-150	<40	
Endrin	50.0	46.0	92.0	50.0	43.3	86.6	6.0	50-150	<40	
Heptachlor	20.0	12.5	62.5	20.0	11.2	56.0	11.0	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	17.4	87.0	20.0	15.3	76.5	12.8	50-150	<40	
Surrogates										
Decachlorobiphenyl	25.0	19.4	77.6	25.0	18.2	72.8	6.4	30-150	<40	
Tetrachloro-m-xylene	25.0	18.8	75.2	25.0	17.8	71.2	5.5	30-150	<40	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Peter Shair

Number of Pages 6
Date Received 12/18/2018
Date Reported 12/28/2018

Job Number	Order Date	Client
95478	12/18/2018	PARSNS

Project ID: KENNEDY HS
Project Name: Kennedy HS PEA
Site: Kennedy HS
11254 Gothic Ave.
Granada Hills, CA 91344

Enclosed please find results of analyses of 4 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
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CHAIN OF CUSTODY RECORD

104041

AETL JOB No. 95478

Page 1 of 1

COMPANY: Parsons
PROJECT MANAGER: Peter Shaur
COMPANY ADDRESS: 100 west walnut st
PHONE: 626-440-6153
FAX:
PROJECT NAME: Kennedy HS PEA
PROJECT #:
SITE NAME AND ADDRESS: 11254 Gothic Ave, Granada Hills, Ca
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (6010)	OCPs (8081A)	TEST INSTRUCTIONS & COMMENTS
1	SS-8-NWS-D0.5	95478.01	12-18-18	0725	Soil	1	WP	X	X	
2	SS-8-NWS-D0.5D	95478.02	↓	0726	↓	1	↓	X	X	
3	SS-8-NWS-D2.0	95478.03	↓	0730	↓	1	↓			Hold
4	SS-8-NWS-D3.0	95478.04	↓	0735	↓	1	↓			Hold
5	SS-8-E5-D0.5	95478.05	↓	0745	↓	1	↓	X	X	
6	SS-8-E5-D2.0	95478.06	↓	0750	↓	1	↓			Hold
7	~~SS-8-E5-D3.0~~	TR	↓		↓	1	↓			Hold
8	SS-8-SS-D0.5	95478.07	↓	0805	↓	1	↓	X	X	
9	SS-8-SS-D2.0	95478.08	↓	0810	↓	1	↓			Hold
10	SS-8-SS-D3.0	95478.09	↓	0815	↓	1	↓			Hold
11										
12										
13										
14										
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	9	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☒ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Pete Shaur
Date: 12-18-18 Time: 0850	Date: Time:	Date: 12/18/18 Time: 1205
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.** AETL
Signature:	Signature:	Signature:
Printed Name: Pete Sh	Printed Name:	Printed Name: Austin
Date: 12/18/18 Time: 0830	Date: Time:	Date: 12/18/18 Time: 1205

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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COOLER RECEIPT FORM

Client Name: Parson
Project Name:
AETL Job Number: 95478
Date Received: 12/18/18 Received by: Ant
Carrier: ☐ AETL Courier ☒ Client ☐ GSO ☐ FedEx ☐ UPS
☐ Others:

Samples were received in: ☒ Cooler (1) ☐ Other (Specify):
Inside temperature of shipping container No 1: 3.4°, No 2: ____, No 3: ____
Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify):
How are samples preserved: ☐ None, ☒ Ice , ☒ Blue Ice, ☐ Dry Ice
None, _ HNO_3, _ NaOH, _ ZnOAc, _ HCl, _ $Na_2S_2O_3$, _ MeOH
_ Other (Specify):

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?		✓	
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	✓		

Explain all "No" answers for above questions:

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Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Peter Shair

Project ID: KENNEDY HS
Date Received 12/18/2018
Date Reported 12/28/2018

Job Number	Order Date	Client
95478	12/18/2018	PARSNS

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 9 samples with the following specification on 12/18/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
95478.01	SS-8-NW5-D0.5	12/18/2018	Soil	1
95478.02	SS-8-NW5-D0.5D	12/18/2018	Soil	1
95478.05	SS-8-E5-D0.5	12/18/2018	Soil	1
95478.07	SS-8-S5-D0.5	12/18/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	12/25/2018	2	Normal	mg/Kg
(8081A)	12/25/2018	2	Normal	ug/Kg

95478.03	SS-8-NW5-D2.0	12/18/2018	Soil	1
95478.04	SS-8-NW5-D3.0	12/18/2018	Soil	1
95478.06	SS-8-E5-D2.0	12/18/2018	Soil	1
95478.08	SS-8-S5-D2.0	12/18/2018	Soil	1
95478.09	SS-8-S5-D3.0	12/18/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	12/25/2018	2	Normal	--

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Peter Shair

Site

Kennedy HS
11254 Gothic Ave.
Granada Hills, CA 91344

Page: **2**

Project ID: KENNEDY HS
Project Name: Kennedy HS PEA

AETL Job Number	Submitted	Client
95478	12/18/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 122018EB1

Our Lab I.D.			Method Blank	**95478.01**	**95478.02**	**95478.05**	**95478.07**
Client Sample I.D.				SS-8-NW5-D 0.5	SS-8-NW5-D 0.5D	SS-8-E5-D0.5	SS-8-S5-D0.5
Date Sampled				12/18/2018	12/18/2018	12/18/2018	12/18/2018
Date Prepared			12/20/2018	12/20/2018	12/20/2018	12/20/2018	12/20/2018
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			12/20/2018	12/20/2018	12/20/2018	12/20/2018	12/20/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	1.08J	1.72J	5.17	2.27
Chlordane (alpha)	1.0	2.0	ND	ND	ND	2.76	1.10J
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	11.0	6.28
4,4'-DDE (DDE)	1.0	2.0	ND	3.72	3.31	1,110	841
4,4'-DDT (DDT)	1.0	2.0	ND	3.08	2.84	81.5	46.7
Dieldrin	1.0	2.0	ND	1.05J	1.32J	5.78	1.78J
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	2.41	1.17J
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: KENNEDY HS
Project Name: Kennedy HS PEA

AETL Job Number	Submitted	Client
95478	12/18/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	95478.01	95478.02	95478.05	95478.07
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		51.6	52.8	47.6	62.4	54.8
Tetrachloro-m-xylene	30-150		48.6	35.0	45.0	50.8	42.8

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ANALYTICAL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Site

Kennedy HS
11254 Gothic Ave.
Granada Hills, CA 91344

Telephone: (626)440-6161
Attn: Peter Shair
Page: **4**

Project ID: KENNEDY HS
Project Name: Kennedy HS PEA

AETL Job Number	Submitted	Client
95478	12/18/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1219182C3

Our Lab I.D.			Method Blank	**95478.01**	**95478.02**	**95478.05**	**95478.07**
Client Sample I.D.				SS-8-NW5-D 0.5	SS-8-NW5-D 0.5D	SS-8-E5-D0.5	SS-8-S5-D0.5
Date Sampled				**12/18/2018**	**12/18/2018**	**12/18/2018**	**12/18/2018**
Date Prepared			**12/19/2018**	**12/19/2018**	**12/19/2018**	**12/19/2018**	**12/19/2018**
Preparation Method			**3050B**	**3050B**	**3050B**	**3050B**	**3050B**
Date Analyzed			**12/20/2018**	**12/20/2018**	**12/20/2018**	**12/20/2018**	**12/20/2018**
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Lead	**2.5**	**5.0**	**ND**	**2.84J**	**2.55J**	**30.6**	**16.8**

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QUALITY CONTROL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attn: Peter Shair

Site

Kennedy HS
11254 Gothic Ave.
Granada Hills, CA 91344

Page: **5**

Project ID: KENNEDY HS
Project Name: Kennedy HS PEA

AETL Job Number	Submitted	Client
95478	12/18/2018	PARSNS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1219182C3; Dup or Spiked Sample: 95490.11; LCS: Clean Sand; QC Prepared: 12/19/2018; QC Analyzed: 12/20/2018; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	15.3	50.0	61.2	91.8	50.0	62.3	94.0	2.37	75-125	<15

QC Batch No: 1219182C3; Dup or Spiked Sample: 95490.11; LCS: Clean Sand; QC Prepared: 12/19/2018; QC Analyzed: 12/20/2018; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	47.3	94.6	50.0	47.9	95.8	1.26	75-125	<15	

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QUALITY CONTROL RESULTS

Ordered By

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Site

Kennedy HS
11254 Gothic Ave.
Granada Hills, CA 91344

Telephone: (626)440-6161
Attn: Peter Shair
Page: **6**

Project ID: KENNEDY HS
Project Name: Kennedy HS PEA

AETL Job Number	Submitted	Client
95478	12/18/2018	PARSNS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 122018EB1; Dup or Spiked Sample: 95451.01; LCS: Clean Sand; QC Prepared: 12/20/2018; QC Analyzed: 12/20/2018; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	13.3	66.5	20.0	13.5	67.5	1.5	40-150	<40
4,4'-DDT (DDT)	1.79	50.0	56.8	110	50.0	58.3	113	2.7	40-150	<40
Dieldrin	0.00	50.0	40.5	81.0	50.0	40.8	81.6	<1	40-150	<40
Endrin	0.00	50.0	54.5	109	50.0	56.5	113	3.6	40-150	<40
Heptachlor	0.00	20.0	12.9	64.5	20.0	13.0	65.0	<1	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	15.4	77.0	20.0	15.0	75.0	2.6	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	50.0	25.6	51.2	50.0	28.2	56.4	9.7	30-150	<40
Tetrachloro-m-xylene	0.00	50.0	21.2	42.4	50.0	26.9	53.8	23.7	30-150	<40

QC Batch No: 122018EB1; Dup or Spiked Sample: 95451.01; LCS: Clean Sand; QC Prepared: 12/20/2018; QC Analyzed: 12/20/2018; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aldrin	20.0	12.9	64.5	50-150						
4,4'-DDT (DDT)	50.0	53.5	107	50-150						
Dieldrin	50.0	41.5	83.0	50-150						
Endrin	50.0	52.5	105	50-150						
Heptachlor	20.0	12.3	61.5	50-150						
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	13.8	69.0	50-150						
Surrogates										
Decachlorobiphenyl	50.0	27.6	55.2	30-150						
Tetrachloro-m-xylene	50.0	24.0	48.0	30-150						

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

Geosyntec consultants

engineers | scientists | innovators

Electromagnetic Field Survey

John F. Kennedy High School
11254 Gothic Avenue, Granada Hills, CA 91344

Prepared for

Los Angeles Unified School District
333 South Beaudry Avenue
Los Angeles, CA 90017

Prepared by

Geosyntec Consultants, Inc.
2100 Main Street, Suite 150
Huntington Beach, California 92648
(714) 969-0800
www.Geosyntec.com

Project Number: HY1625
May 21, 2019

Electromagnetic Field Survey

John F. Kennedy High School
11254 Gothic Avenue, Granada Hills, CA 91344

Prepared for

Los Angeles Unified School District
333 South Beaudry Avenue
Los Angeles, CA 90017

Prepared by

Geosyntec Consultants, Inc.
2100 Main Street, Suite 150
Huntington Beach, California 92648
(714) 969-0800
www.Geosyntec.com

Project Number: HY1625
May 21, 2019

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ACRONYMS AND ABBREVIATIONS

ags	above ground surface
CDE	California Department of Education
CDHS	California Department of Health Services
ELF	Extremely Low Frequency Level
EMF	Electromagnetic field
ft	feet
IARC	International Agency for Research on Cancer
kV	kilovolt
LAUSD	Los Angeles Unified School District
mG	milligauss
OEHS	Office of Environmental Health and Safety
THA	Task Hazard Analysis
WHO	World Health Organization

1. INTRODUCTION

Geosyntec Consultants (Geosyntec) is pleased to submit this report to the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS) for the electromagnetic field (EMF) survey completed at John F. Kennedy High School (the Site) located at 11254 Gothic Avenue, Granada Hills, CA. As requested by the LAUSD and as described in the Proposal for Electromagnetic Field Survey submitted to LAUSD on March 5, 2019 [Geosyntec, 2019], Geosyntec measured the EMF strength at outdoor locations across portions of the Site due its proximity to a 230 kilovolt (kV) and 500-kV powerlines and to support the construction of a new classroom building at the Site. This report includes the field activities, data analysis, and conclusions for the EMF survey.

2. REGULATORY BACKGROUND

There are limited standards or technical guidance documents governing EMF exposure. The World Health Organization (WHO) has not established health-based thresholds for EMF exposure [WHO, 2007]. However, the WHO International Agency for Research on Cancer (IARC) classified Extremely Low Frequency Level (ELF) EMFs as a Class 2B "possible carcinogen" based on analyses of epidemiological studies demonstrating a consistent pattern of a two-fold increase in childhood leukemia associated with average exposure to residential power-frequency magnetic field above 3 to 4 mG. [IARC, 2016]. Most people in the United States are exposed to magnetic fields that average less than 2 mG (NIESH, 2002). A survey of California public schools conducted by the California Department of Health Services (CDHS, 2001) indicates that 80% of surveyed school areas have an average magnetic field strength of less than 1 mG.

To minimize exposure to EMFs associated with high-voltage transmission lines for students and staff at school sites, the California Department of Education (CDE) is employing a "precautionary principle" by establishing setback zones. The California Code of Regulations (CCR), Title 5, Section 14010(c), specifies a distance setback requirement for power lines greater than 50-kV for proposed new school sites and school additions. The regulatory requirement is summarized as follows:

The property line of the site even if it is a joint use agreement as described in subsection (o) of this section shall be at least the following distance from the edge of respective power line easements:

- *100 feet for 50-133 kV line.*
- *150 feet for 220-230 kV line.*
- *350 feet for 500-550 kV line.*

The California Department of Education (CDE) has issued related policy guidance on seeking an exemption for school sites within designated setbacks from 50-kV and greater powerlines. This policy guidance allows schools within the vicinity of overhead power lines to apply for variances to this regulation as described in the Power Line Setback Exemption Guidance Policy (CDE, 2006). This policy guidance has been developed in consultation with international experts on the health effects of EMF, state agencies such as the Department of Public Health (DPH), the Division of the State Architect (DSA), and the California Public Utilities Commission (PUC), electric utilities, school districts, consultants, and private citizens with an interest in the topic.

3. FIELD ACTIVITES

The scope of work was to evaluate EMF emissions from a 230-kV powerline running north-south along the eastern boundary and a 500-kV powerline running east-west along the northern boundary of the Site. The Site boundary is approximately 13 feet (ft) west of the 230-kV powerline and approximately 120 ft south of the closest 500-kV power line. Prior to initiating the field work, a project-specific task hazard analysis (THA) was prepared for use by Geosyntec's field personnel. On February 25, 2019, a preliminary site walk was performed with Andrew Modugno P.G. (OEHS Environmental Assessment Coordinator), from the LAUSD to verify survey locations. As a result of this site walk, survey locations were identified as shown on Figure 1.

The first survey event was conducted on April 1 and 2, 2019, during limited school operation and EMF measurements were completed at locations shown on Figure 2 and 3. A 3-axis electromagnetic field strength meter (Extech® Instruments Triple Axis EMF Tester 480826) was used to collect the survey data. The EMF strength was measured in milligauss (mG) and all measurements were collected outdoors. At each survey location, the Extech® meter was used to record the x, y, and z components of the EMF field strength at four (4) and nine (9) ft above ground surface (ags) (Appendix A). On the second survey event conducted on April 4, 2019, the school was in full operation and EMF strength measurements were collected at approximately the same locations and at the same heights as those completed during the first survey (Figure 4 and 5).

Measurements adjacent to the 230-kV powerline were collected parallel to the line at various setback distances. The first setback was along the Site boundary, the second setback at 25 ft, the third setback at 100 ft, and the fourth setback at 200 ft from the Site boundary. Measurements adjacent to the 500-kV powerline were also collected parallel to the line at various setback distances. The first setback was along the Site boundary, the second setback at 25 ft, the third setback at 100 ft, and the fourth setback at 200 ft from the Site boundary. At nine locations (EMF-11/EMF-86, EMF-12/EMF-75, EMF 13/EMF-53, EMF-37/EMF-87, EMF 38/EMF-76, EMF-39/EMF-54, EMF-50/EMF-88, EMF-51/EMF-77, and EMF-52/EMF-55), the setbacks for the 230-kV powerline and the 500-kV powerline intersect, so two sets of measurements were collected at approximately the same location (Figure 2 through 5).

4. RESULTS

To calculate the electromagnetic field strength at each specific survey location, the following equation was used:

$$\text{EMF} = \sqrt{x^2 + y^2 + z^2}$$

Where:

EMF = Elector Magnetic Field strength (mG)

x = x-axis EMF reading

y = y-axis EMF reading

z = z axis EMF reading

Figure 2 and 3 show the EMF strengths measured during the first survey event (when school operations were limited) at 4 ft and 9 ft ags, respectively. Figure 4 and 5 show the EMF strengths measured during the second survey event (when school was in session) at 4 ft and 9 ft ags, respectively. Results for readings taken parallel to the 230-kV powerline along the eastern school boundary and setbacks are summarized in Table 1, while the readings taken parallel to the 500-kV powerline along the northern school boundary and setbacks are summarized in Table 2. Appendix A contains the x, y, and z strengths measured at each location and respective EMF calculations.

For the locations parallel to the 230-kV powerline (Table 1), the results are as follows:

- Along the Site boundary, the average EMF strengths for the first survey event were 1.0 mG at 4 ft ags and 1.7 mG at 9 ft ags. For the second survey event the average EMF strengths were 1.3 mG at 4 ft ags and 1.9 mG at 9 ft ags;

- Along the 25-foot setback, the average EMF strengths for the first survey event were 0.7 mG at 4 ft ags and 1.2 mG at 9 ft ags. For the second survey event the average EMF strengths were 1.2 mG at 4 ft ags and 1.7 mG at 9 ft ags;

- Along the 100-foot setback, the average EMF strengths for the first survey event were 0.5 mG at 4 ft ags and 0.5 mG at 9 ft ags. For the second survey event the average EMF strengths were 0.8 mG at 4 ft ags and 0.9 mG at 9 ft ags; and

- Along the 200-foot setback, the average EMF strengths for the first survey event were 0.3 mG at 4 ft ags and 0.4 mG at 9 ft ags. For the second survey event the average EMF strengths were 0.6 mG at 4 ft ags and 0.8 mG at 9 ft ags.

For the locations parallel to the 500-kV powerlines (Table 2), results are as follows:

- Along the Site boundary, the average EMF strengths for the first survey event were 1.9 mG at 4 ft ags and 2.2 mG at 9 ft ags. For the second survey event the average EMF strengths were 4.8 mG at 4 ft ags and 5.3 mG at 9 ft ags;

- Along the 25-foot setback, the average EMF strengths for the first survey event were 1.3 mG at 4 ft ags and 1.6 mG at 9 ft ags. For the second survey event the average EMF strengths were 3.6 mG at 4 ft ags and 3.9 mG at 9 ft ags;

- Along the 100-foot setback, the average EMF strengths for the first survey event were 0.6 mG at 4 ft ags and 0.8 mG at 9 ft ags. For the second survey event the average EMF strengths were 1.6 mG at 4 ft ags and 1.9 mG at 9 ft ags; and

- Along the 200-foot setback, the average EMF strengths for the first survey event were 0.3 mG at 4 ft ags and 0.4 mG at 9 ft ags. For the second survey event the average EMF strengths were 0.7 mG at 4 ft ags and 1.1 mG at 9 ft ags.

5. DATA ANALYSIS

An EMF survey was conducted at various outdoor locations on portions of the Site on April 1 and 2, 2019, (first event) and on April 4, 2019 (second event). This work was performed to evaluate EMF emissions from a 230-kV powerline running north-south along the eastern boundary and 500-kV powerlines running east-west along the northern boundary of the Site. The EMF readings and calculations are summarized in Table 1 and 2 and Figures 2 through 5.

The highest EMF reading (7.1 mG) was measured at the survey location EMF-05 at 9 ft ags during the second survey event (Table 2 and Figure 5). This location is along the northern Site boundary, closest to the 500-kV powerline. The average EMF strength differed with regards to height. The average EMF value for each setback was higher at 9 ft ags than at 4 ft ags by 0.1 to 0.7 mG (Tables 1 and 2). Additionally, the EMF strength during the second survey event was on average stronger than during the first survey event (Tables 1 and 2).

Figures 2 through 5 show the EMF strength at each height for each survey event. The higher EMF readings were recorded at the survey locations closest to the powerlines and were strongest near the northern portion of the Site parallel to the 500-kV powerlines. Generally, the EMF strength decreases with distance from the powerlines and decreases towards the southwest of the Site. The majority of the EMF levels detected during the two survey events at the 200-foot setback were below 1 mG. Average EMF levels were below 3 mG for all setback distances with the exception of the average levels measured at the Site boundary and 25-ft setback parallel to the 500-kV powerlines in the second round of measurements.

6. CONLUSIONS AND RECCOMENDATIONS

Values of 1 mG and 3 mG were used to evaluate the EMF readings measured during this survey. As described in Section 5, the majority of the EMF levels detected during the two survey events at the 200-foot setback were below 1 mG. Average EMF levels were below 3 mG for all setback distances with the exception of the average levels measured at the Site boundary and 25-ft setback parallel to the 500-kV powerlines in the second round of measurements.

Evaluating the distance between the Site structures and the powerlines in the context of what the CDE would require if a new school or addition were to be proposed at the Site, and given the presence of the 230-kV and 500-kV powerlines, as shown on Figure 1 some of the Site buildings are within the 150-ft setback distance prescribed for the 230-kV powerline and within the 350-ft setback distance prescribed for the 500-kV powerlines. However, the CDE guidance states: *These guidelines are advisory only and utilization or compliance is not required by regulation or CDE.*

Regarding the construction of a new classroom building at the Site, the location described in Option A of the HMC Architects document (Appendix B) would comply with the requirements of the CCR, Title 5, Section 14010(c) since the new classroom building would be approximately 750 ft and 860 ft from the 230-kV powerline and 500-kV powerlines, respectively.

7. REFERENCES

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TABLES

Table 1
Electromagnetic Field Data Parallel to 230-kV Powerline
Los Angeles Unified School District
John F. Kennedy High School

Setback from School Boundary, Parallel to 230-kV Powerline (ft)

1st Sampling Event

0 ft				25 ft				100 ft				200 ft			
Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)	Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)	Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)	Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)
4/2/2019	EMF-53	1.6	1.6	4/2/2019	EMF-64	1.4	1.4	4/1/2019	EMF-75	2.0	2.0	4/1/2019	EMF-86	1.3	1.5
4/2/2019	EMF-54	1.1	1.8	4/2/2019	EMF-65	0.5	2.4	4/1/2019	EMF-76	0.7	0.7	4/1/2019	EMF-87	0.4	0.5
4/2/2019	EMF-55	1.3	1.7	4/2/2019	EMF-66	0.6	1.1	4/1/2019	EMF-77	0.4	0.5	4/1/2019	EMF-88	0.3	0.5
4/2/2019	EMF-56	1.1	1.8	4/2/2019	EMF-67	0.7	0.3	4/1/2019	EMF-78	0.3	0.5	4/1/2019	EMF-89	0.2	0.4
4/2/2019	EMF-57	1.3	1.9	4/2/2019	EMF-68	0.7	0.8	4/2/2019	EMF-79	0.2	0.3	4/2/2019	EMF-90	0.3	0.4
4/2/2019	EMF-58	0.9	1.4	4/2/2019	EMF-71	1.0	2.6	4/2/2019	EMF-82	0.2	0.2	4/2/2019	EMF-91	0.0	0.1
4/2/2019	EMF-59	0.8	1.6	4/2/2019	EMF-72	0.6	1.0	4/2/2019	EMF-83	0.2	0.2	4/2/2019	EMF-92	0.1	0.1
4/2/2019	EMF-60	1.0	1.9	4/2/2019	EMF-73	0.5	0.6	4/2/2019	EMF-84	0.1	0.2	4/2/2019	EMF-93	0.1	0.2
4/2/2019	EMF-61	1.1	2.0	4/2/2019	EMF-74	0.5	0.8	4/2/2019	EMF-85	0.1	0.3	4/2/2019	EMF-94	0.0	0.1
4/2/2019	EMF-62	0.6	1.7		Average	0.7	1.2		Average	0.5	0.5	4/2/2019	EMF-95	0.1	0.4
4/2/2019	EMF-63	0.4	1.1									4/2/2019	EMF-96	0.0	0.4
	Average	1.0	1.7										Average	0.3	0.4

2nd Sampling Event

0 ft				25 ft				100 ft				200 ft			
Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)	Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)	Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)	Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)
4/4/2019	EMF-53	3.8	3.8	4/4/2019	EMF-64	4.0	4.0	4/4/2019	EMF-75	4.2	4.2	4/4/2019	EMF-86	4.0	4.5
4/4/2019	EMF-54	1.5	1.4	4/4/2019	EMF-65	1.6	3.2	4/4/2019	EMF-76	0.9	1.3	4/4/2019	EMF-87	1.6	1.6
4/4/2019	EMF-55	1.4	2.1	4/4/2019	EMF-66	1.0	1.6	4/4/2019	EMF-77	0.4	0.6	4/4/2019	EMF-88	0.6	1.1
4/4/2019	EMF-56	0.7	1.2	4/4/2019	EMF-67	0.8	1.0	4/4/2019	EMF-78	0.6	0.6	4/4/2019	EMF-89	0.4	0.5
4/4/2019	EMF-57	0.8	1.3	4/4/2019	EMF-68	0.7	0.8	4/4/2019	EMF-79	0.3	0.3	4/4/2019	EMF-90	0.3	0.2
4/4/2019	EMF-58	0.6	1.4	4/4/2019	EMF-72	0.5	1.0	4/4/2019	EMF-82	0.1	0.2	4/4/2019	EMF-91	0.0	0.1
4/4/2019	EMF-59	0.5	1.4	4/4/2019	EMF-73	0.5	0.7	4/4/2019	EMF-83	0.1	0.2	4/4/2019	EMF-92	0.1	0.1
4/4/2019	EMF-60	0.9	2.2	4/4/2019	EMF-74	0.4	1.2	4/4/2019	EMF-84	0.1	0.2	4/4/2019	EMF-93	0.0	0.1
4/4/2019	EMF-61	1.2	2.1		Average	1.2	1.7	4/4/2019	EMF-85	0.0	0.2	4/4/2019	EMF-94	0.0	0.3
4/4/2019	EMF-62	1.6	2.7						Average	0.8	0.9	4/4/2019	EMF-95	0.0	0.2
4/4/2019	EMF-63	0.8	1.6									4/4/2019	EMF-96	0.0	0.3
	Average	1.3	1.9										Average	0.6	0.8

Notes:
EMF: Electromagnetic Field
ft ags = feet above ground surface
Sample locations are included in both Table 1 and Table 2 if they are along the designated setbacks of both powerlines (school boundary, 0 ft, 25 ft, 100 ft, 200 ft).
x, y, and z readings and resultant EMF are displayed in Appendix A.

Table 2
Electromagnetic Field Data Parallel to 500-kV Powerlines
Los Angeles Unified School District
John F. Kennedy High School

Setback from School Boundary, Parallel to 500-kV Powerline (ft)															
1st Sampling Event															
0 ft				25 ft				100 ft				200 ft			
Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)	Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)	Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)	Sample Date	Sample ID	4 ft ags EMF (mG)	9 ft ags EMF (mG)
4/1/2019	EMF-01	1.1	1.1	4/1/2019	EMF-14	0.7	0.2	4/1/2019	EMF-27	0.2	0.2	4/1/2019	EMF-40	0.0	0.1
4/1/2019	EMF-02	1.5	1.7	4/1/2019	EMF-15	0.9	1.3	4/1/2019	EMF-28	0.2	0.6	4/1/2019	EMF-41	0.0	0.2
4/1/2019	EMF-03	1.8	2.0	4/1/2019	EMF-16	0.9	1.0	4/1/2019	EMF-29	0.3	0.4	4/1/2019	EMF-42	0.1	0.1
4/1/2019	EMF-04	1.6	1.7	4/1/2019	EMF-17	1.9	2.9	4/1/2019	EMF-30	0.5	0.6	4/1/2019	EMF-43	0.1	0.1
4/1/2019	EMF-05	1.7	1.9	4/1/2019	EMF-18	1.1	1.1	4/1/2019	EMF-31	0.6	0.6	4/1/2019	EMF-44	0.3	0.4
4/1/2019	EMF-06	2.3	3.8	4/1/2019	EMF-19	1.6	1.5	4/1/2019	EMF-32	0.8	0.9	4/1/2019	EMF-45	0.2	0.4
4/1/2019	EMF-07	2.7	3.0	4/1/2019	EMF-20	1.9	2.2	4/1/2019	EMF-34	0.6	1.5	4/1/2019	EMF-46	0.1	0.2
4/1/2019	EMF-08	2.4	2.9	4/1/2019	EMF-21	1.7	2.0	4/1/2019	EMF-35	0.4	1.3	4/1/2019	EMF-47	0.2	0.6
4/1/2019	EMF-09	2.1	2.4	4/1/2019	EMF-22	1.4	2.0	4/1/2019	EMF-36	0.6	0.6	4/1/2019	EMF-48	0.1	0.4
4/1/2019	EMF-10	2.4	2.4	4/1/2019	EMF-23	1.4	2.2	4/1/2019	EMF-37	0.5	0.7	4/1/2019	EMF-49	0.2	0.6
4/1/2019	EMF-11	1.5	1.8	4/1/2019	EMF-24	0.4	0.5	4/1/2019	EMF-38	0.6	0.7	4/1/2019	EMF-50	0.3	0.4
4/1/2019	EMF-12	2.1	2.2	4/1/2019	EMF-25	1.6	1.7	4/2/2019	EMF-39	1.4	1.9	4/1/2019	EMF-51	0.3	0.5
4/2/2019	EMF-13	1.5	1.7	4/2/2019	EMF-26	1.4	2.8		Average	0.6	0.8	4/2/2019	EMF-52	1.5	1.8
	Average	1.9	2.2		Average	1.3	1.6						Average	0.3	0.4
2nd Sampling Event															
0 ft				25 ft				100 ft				200 ft			
4/4/2019	EMF-01	5.0	5.1	4/4/2019	EMF-14	3.8	3.3	4/4/2019	EMF-27	1.3	1.7	4/4/2019	EMF-40	0.6	0.6
4/4/2019	EMF-02	4.0	4.4	4/4/2019	EMF-15	3.0	3.1	4/4/2019	EMF-28	1.6	1.5	4/4/2019	EMF-41	0.7	1.0
4/4/2019	EMF-03	4.6	4.9	4/4/2019	EMF-16	3.2	3.5	4/4/2019	EMF-29	1.4	1.7	4/4/2019	EMF-42	0.6	0.7
4/4/2019	EMF-04	5.1	5.7	4/4/2019	EMF-17	4.7	5.1	4/4/2019	EMF-30	1.9	2.0	4/4/2019	EMF-43	0.8	0.9
4/4/2019	EMF-05	5.7	7.1	4/4/2019	EMF-18	3.6	3.5	4/4/2019	EMF-31	1.8	2.4	4/4/2019	EMF-44	1.3	1.3
4/4/2019	EMF-06	6.4	6.4	4/4/2019	EMF-19	4.7	5.1	4/4/2019	EMF-32	2.3	2.5	4/4/2019	EMF-45	0.6	1.2
4/4/2019	EMF-07	5.6	7.0	4/4/2019	EMF-20	3.9	4.3	4/4/2019	EMF-34	2.0	2.1	4/4/2019	EMF-46	1.0	1.1
4/4/2019	EMF-08	4.8	5.7	4/4/2019	EMF-21	4.3	4.4	4/4/2019	EMF-35	1.4	1.7	4/4/2019	EMF-47	0.5	1.1
4/4/2019	EMF-09	4.0	4.1	4/4/2019	EMF-22	3.2	3.6	4/4/2019	EMF-36	1.3	1.8	4/4/2019	EMF-48	0.5	1.0
4/4/2019	EMF-10	5.0	5.1	4/4/2019	EMF-23	3.3	3.9	4/4/2019	EMF-37	1.7	1.9	4/4/2019	EMF-49	0.5	1.0
4/4/2019	EMF-11	4.3	4.4	4/4/2019	EMF-24	3.5	3.8	4/4/2019	EMF-38	1.1	1.5	4/4/2019	EMF-50	0.6	0.9
4/4/2019	EMF-12	4.4	4.6	4/4/2019	EMF-25	2.2	2.5	4/4/2019	EMF-39	1.6	2.1	4/4/2019	EMF-51	0.5	0.6
4/4/2019	EMF-13	3.3	4.4	4/4/2019	EMF-26	3.7	5.0		Average	1.6	1.9	4/4/2019	EMF-52	1.2	2.2
	Average	4.8	5.3		Average	3.6	3.9						Average	0.7	1.1

Notes:

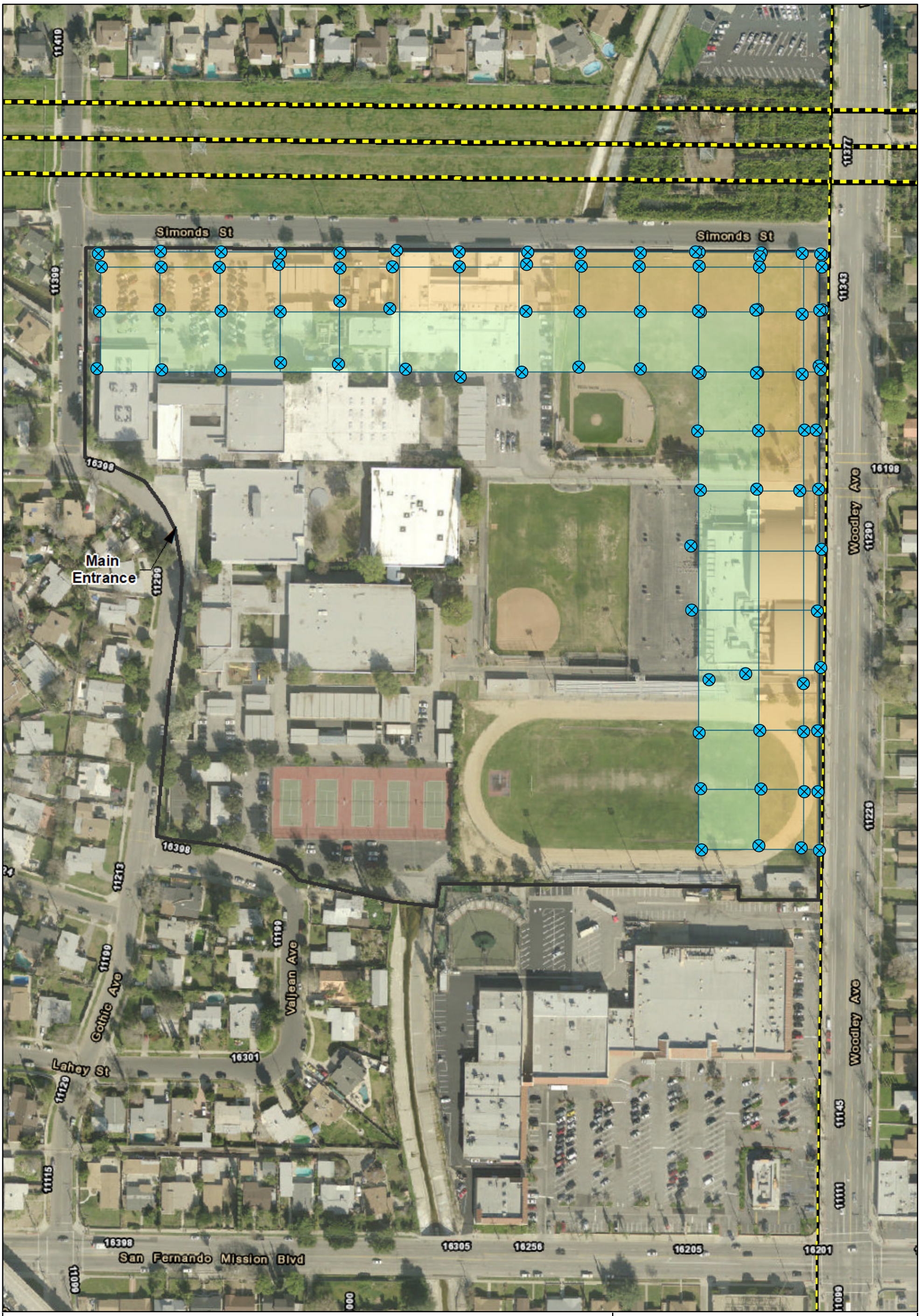
EMF: Electromagnetic Field

ft ags = feet above ground surface

Sample locations are included in both Table 1 and Table 2 if they are along the designated setbacks of both powerlines (school boundary, 0 ft, 25 ft, 100 ft, 200 ft).

x, y, and z readings and resultant EMF are displayed in Appendix A.

FIGURES



Legend

- EMF Sample Location
- 230kV Transmission Line
- 500kV Transmission Line
- 100' Setback
- 200' Setback
- School Site Boundary

N

0 150 Feet

Electromagnetic Field (EMF) Survey Locations

11254 Gothic Avenue
Granda Hills, California

Geosyntec consultants

Santa Barbara | May 2019

Figure 1

SantaBarbara-01\P:\GIS\LAUSD HY165 EMF\Projects\Fig01_EMF_Survey.mxd 5/1/2019 (Author: SMcKnight) 5:54:11 PM

Legend

- <1 EMF (mG)
- ≥1 and <3 EMF (mG)
- ≥3 EMF (mG)
- 230kV Transmission Line
- 500kV Transmission Line
- School Site Boundary

N

0 150 Feet

Electromagnetic Field (EMF) Survey
4ft Above Ground Surface
April 1 - April 2, 2019 (Limited School Operation)

11254 Gothic Avenue
Granda Hills, California

Geosyntec consultants

Santa Barbara | May 2019

Figure 2

SantaBarbara-01\P:\GIS\LAUSD HY165 EMF\Projects\Fig02_EMF_Survey_4ft_April1.mxd 5/1/2019 (Author: SMcKnight) 6:08:18 PM

Legend

- <1 EMF (mG)
- ≥1 and <3 EMF (mG)
- ≥3 EMF (mG)
- 230kV Transmission Line
- 500kV Transmission Line
- School Site Boundary

N

0 150 Feet

Electromagnetic Field (EMF) Survey
9ft Above Ground Surface
April 1 - April 2, 2019 (Limited School Operation)

11254 Gothic Avenue
Granda Hills, California

Geosyntec consultants

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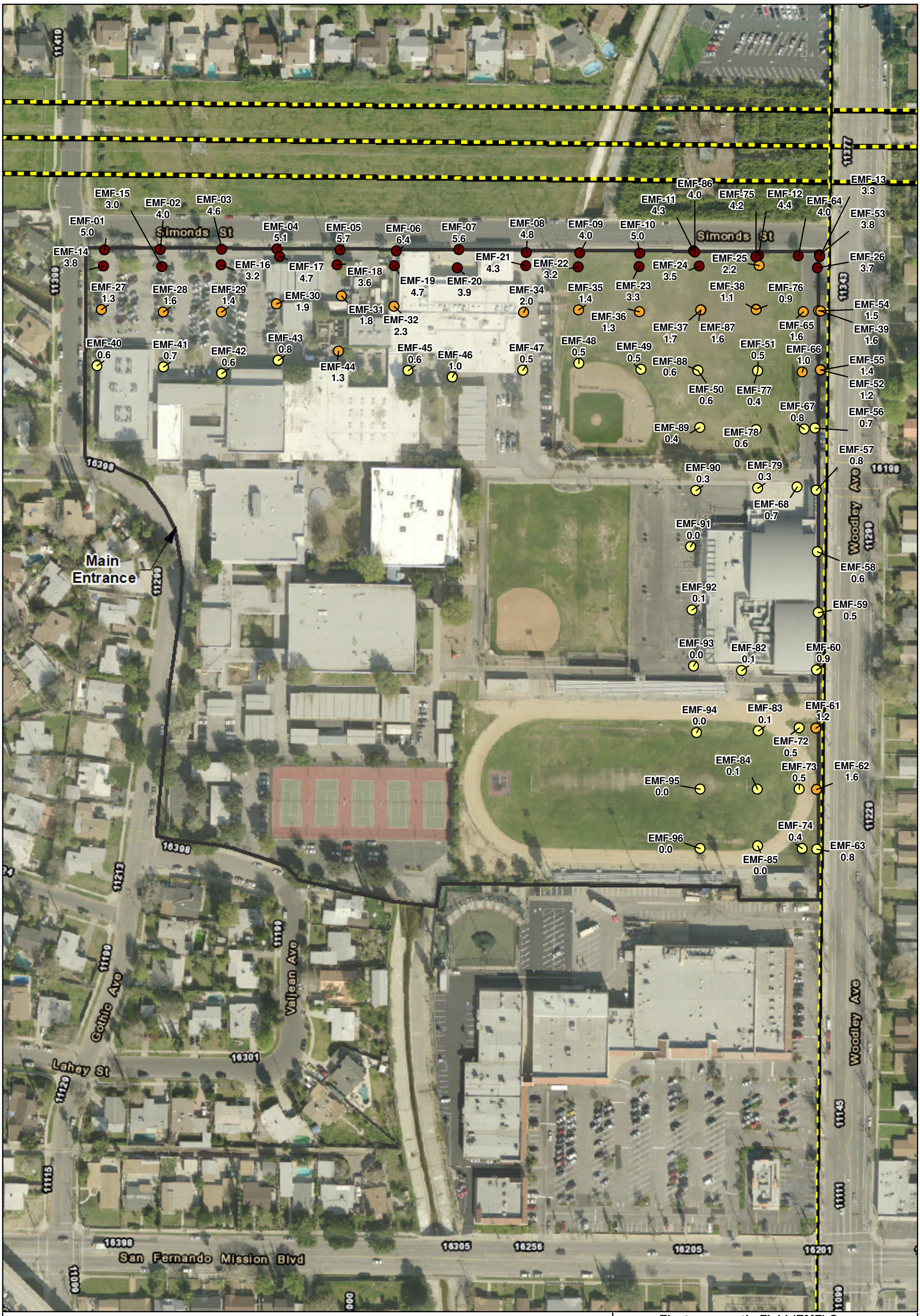
Figure 3

SantaBarbara-01\P:\GIS\LAUSD HY165 EMF\Projects\Fig03_EMF_Survey_9ft_April1.mxd 5/1/2019 (Author: SMcKnight) 5:56:09 PM



Legend

- <1 EMF (mG)
- ≥1 and <3 EMF (mG)
- ≥3 EMF (mG)
- 230kV Transmission Line
- 500kV Transmission Line
- School Site Boundary

N

0 150 Feet

Electromagnetic Field (EMF) Survey
4ft Above Ground Surface
April 4, 2019 (School in Session)

11254 Gothic Avenue
Granda Hills, California

Geosyntec consultants

Santa Barbara | May 2019

Figure 4

SantaBarbara-01\P:\GIS\LAUSD HY165 EMF\Projects\Fig04_EMF_Survey_4ft_April4.mxd 5/1/2019 (Author: SMcKnight) 6:03:44 PM

Legend

- <1 EMF (mG)
- ≥1 and <3 EMF (mG)
- ≥3 EMF (mG)
- 230kV Transmission Line
- 500kV Transmission Line
- School Site Boundary

N

0 150 Feet

Electromagnetic Field (EMF) Survey
9ft Above Ground Surface
April 4, 2019 (School in Session)

11254 Gothic Avenue
Granda Hills, California

Geosyntec consultants

Santa Barbara | May 2019

Figure 5

SantaBarbara-01\P:\GIS\LAUSD HY165 EMF\Projects\Fig05_EMF_Survey_9ft_April4.mxd 5/1/2019 (Author: SMcKnight) 6:00:30 PM

APPENDIX A

Electromagnetic Field Calculations

Electromagnetic Field Data
Los Angeles Unified School District
John F. Kennedy High School

Sample Date	Sample ID	4 feet ags				9 feet ags			
		X (mG)	Y (mG)	Z (mG)	[1]EMF (mG)	X (mG)	Y (mG)	Z (mG)	[1]EMF (mG)
4/1/2019	EMF-01	0.1	1.1	0.3	1.1	0.1	1.1	0.2	1.1
4/4/2019	EMF-01	0.1	4.7	1.8	5.0	0.1	4.8	1.7	5.1
4/1/2019	EMF-02	0.0	1.5	0.3	1.5	0.1	1.7	0.3	1.7
4/4/2019	EMF-02	0.0	3.9	0.9	4.0	0.2	4.3	0.9	4.4
4/1/2019	EMF-03	0.0	1.8	0.2	1.8	0.1	2.0	0.3	2.0
4/4/2019	EMF-03	0.1	4.5	0.9	4.6	0.3	4.8	0.9	4.9
4/1/2019	EMF-04	0.1	1.6	0.3	1.6	0.1	1.7	0.3	1.7
4/4/2019	EMF-04	0.4	4.9	1.3	5.1	0.7	5.5	1.3	5.7
4/1/2019	EMF-05	0.1	1.6	0.4	1.7	0.2	1.8	0.7	1.9
4/4/2019	EMF-05	0.2	5.3	2.0	5.7	1.2	6.5	2.7	7.1
4/1/2019	EMF-06	0.0	2.1	0.9	2.3	1.4	2.7	2.3	3.8
4/4/2019	EMF-06	0.0	5.9	2.4	6.4	0.0	5.9	2.4	6.4
4/1/2019	EMF-07	0.0	2.5	1.1	2.7	0.1	2.8	1.2	3.0
4/4/2019	EMF-07	0.0	5.2	2.0	5.6	0.6	6.6	2.1	7.0
4/1/2019	EMF-08	0.0	2.3	0.8	2.4	0.1	2.6	1.2	2.9
4/4/2019	EMF-08	0.0	4.5	1.6	4.8	0.2	5.3	2.2	5.7
4/1/2019	EMF-09	0.1	1.9	0.9	2.1	0.1	2.1	1.1	2.4
4/4/2019	EMF-09	0.2	3.6	1.8	4.0	0.1	3.6	2.0	4.1
4/1/2019	EMF-10	0.1	2.3	0.6	2.4	0.2	2.3	0.8	2.4
4/4/2019	EMF-10	0.1	4.8	1.4	5.0	0.1	4.9	1.3	5.1
4/1/2019	EMF-11	0.0	1.5	0.3	1.5	0.0	1.8	0.4	1.8
4/4/2019	EMF-11	0.0	4.2	0.8	4.3	0.1	4.4	0.6	4.4
4/1/2019	EMF-12	0.1	2.0	0.5	2.1	0.1	2.1	0.6	2.2
4/4/2019	EMF-12	0.3	4.3	1.1	4.4	0.3	4.4	1.2	4.6
4/2/2019	EMF-13	0.7	1.2	0.5	1.5	0.8	1.4	0.6	1.7
4/4/2019	EMF-13	0.4	3.1	1.2	3.3	0.5	4.1	1.5	4.4
4/1/2019	EMF-14	0.0	0.7	0.1	0.7	0.1	0.1	0.2	0.2
4/4/2019	EMF-14	0.4	3.3	1.9	3.8	0.1	2.9	1.6	3.3
4/1/2019	EMF-15	0.0	0.9	0.2	0.9	0.2	1.2	0.3	1.3
4/4/2019	EMF-15	0.0	2.8	1.1	3.0	0.1	2.9	1.1	3.1
4/1/2019	EMF-16	0.0	0.9	0.2	0.9	0.1	1.0	0.3	1.0
4/4/2019	EMF-16	0.1	3.0	1.2	3.2	0.1	3.3	1.3	3.5
4/1/2019	EMF-17	0.0	1.9	0.4	1.9	0.4	2.6	1.3	2.9
4/4/2019	EMF-17	0.2	4.4	1.6	4.7	0.6	4.8	1.5	5.1
4/1/2019	EMF-18	0.0	1.0	0.5	1.1	0.0	1.0	0.5	1.1
4/4/2019	EMF-18	0.2	3.1	1.9	3.6	0.2	3.1	1.7	3.5
4/1/2019	EMF-19	0.1	1.4	0.7	1.6	0.1	1.3	0.7	1.5
4/4/2019	EMF-19	0.3	4.1	2.2	4.7	0.2	4.5	2.3	5.1
4/1/2019	EMF-20	0.0	1.6	1.0	1.9	0.2	1.8	1.2	2.2
4/4/2019	EMF-20	0.0	3.4	2.0	3.9	0.2	3.7	2.1	4.3
4/1/2019	EMF-21	0.0	1.5	0.9	1.7	0.2	1.6	1.1	2.0
4/4/2019	EMF-21	0.2	3.7	2.1	4.3	0.2	3.9	2.1	4.4
4/1/2019	EMF-22	0.1	1.0	1.0	1.4	0.4	1.4	1.3	2.0
4/4/2019	EMF-22	0.1	2.4	2.1	3.2	0.6	2.8	2.1	3.6
4/1/2019	EMF-23	0.1	1.2	0.7	1.4	0.6	1.7	1.2	2.2
4/4/2019	EMF-23	0.1	3.0	1.4	3.3	0.3	3.4	1.8	3.9
4/1/2019	EMF-24	0.3	0.2	0.1	0.4	0.4	0.3	0.1	0.5
4/4/2019	EMF-24	0.0	3.2	1.3	3.5	0.2	3.6	1.3	3.8
4/1/2019	EMF-25	0.1	1.5	0.6	1.6	0.1	1.5	0.7	1.7
4/4/2019	EMF-25	0.0	2.0	1.0	2.2	0.2	2.3	0.9	2.5
4/2/2019	EMF-26	0.7	1.0	0.7	1.4	1.5	1.9	1.5	2.8
4/4/2019	EMF-26	0.4	3.2	1.8	3.7	1.4	4.1	2.4	5.0
4/1/2019	EMF-27	0.0	0.2	0.1	0.2	0.1	0.2	0.1	0.2
4/4/2019	EMF-27	0.1	0.9	0.9	1.3	0.3	1.2	1.2	1.7
4/1/2019	EMF-28	0.0	0.2	0.1	0.2	0.2	0.4	0.4	0.6
4/4/2019	EMF-28	0.0	1.3	0.9	1.6	0.1	1.2	0.9	1.5
4/1/2019	EMF-29	0.0	0.2	0.2	0.3	0.1	0.3	0.3	0.4
4/4/2019	EMF-29	0.0	1.1	0.8	1.4	0.2	1.4	1.0	1.7
4/1/2019	EMF-30	0.0	0.5	0.2	0.5	0.0	0.5	0.3	0.6
4/4/2019	EMF-30	0.0	1.6	1.1	1.9	0.2	1.7	1.0	2.0

Notes
ags: above ground surface
EMF: Electromagnetic Field
mG: milligauss
[1] EMF was calculated using equation EMF = $\sqrt{(x^2+y^2+z^2)}$. x, y, and z values were obtained in the field with Extech EMF Tester 480826.

Electromagnetic Field Data
Los Angeles Unified School District
John F. Kennedy High School

Sample Date	Sample ID	4 feet ags				9 feet ags			
		X (mG)	Y (mG)	Z (mG)	[1]EMF (mG)	X (mG)	Y (mG)	Z (mG)	[1]EMF (mG)
4/1/2019	EMF-31	0.0	0.5	0.3	0.6	0.1	0.4	0.4	0.6
4/4/2019	EMF-31	0.1	1.6	0.9	1.8	0.6	1.9	1.4	2.4
4/1/2019	EMF-32	0.0	0.6	0.5	0.8	0.1	0.8	0.5	0.9
4/4/2019	EMF-32	0.1	1.9	1.3	2.3	0.0	2.2	1.2	2.5
4/1/2019	EMF-34	0.1	0.5	0.3	0.6	0.3	1.1	0.9	1.5
4/4/2019	EMF-34	0.3	1.7	1.0	2.0	0.4	1.8	0.9	2.1
4/1/2019	EMF-35	0.0	0.2	0.4	0.4	0.6	0.7	0.9	1.3
4/4/2019	EMF-35	0.1	1.0	1.0	1.4	0.3	1.2	1.2	1.7
4/1/2019	EMF-36	0.0	0.3	0.5	0.6	0.0	0.3	0.5	0.6
4/4/2019	EMF-36	0.1	0.9	0.9	1.3	0.3	1.3	1.2	1.8
4/1/2019	EMF-37	0.0	0.3	0.4	0.5	0.1	0.5	0.5	0.7
4/4/2019	EMF-37	0.0	1.3	1.1	1.7	0.2	1.5	1.1	1.9
4/1/2019	EMF-38	0.0	0.4	0.4	0.6	0.1	0.5	0.5	0.7
4/4/2019	EMF-38	0.1	0.8	0.7	1.1	0.3	1.2	0.9	1.5
4/2/2019	EMF-39	1.2	0.7	0.4	1.4	1.7	0.8	0.5	1.9
4/4/2019	EMF-39	1.1	0.9	0.8	1.6	1.6	1.0	0.9	2.1
4/1/2019	EMF-40	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
4/4/2019	EMF-40	0.0	0.4	0.4	0.6	0.0	0.5	0.4	0.6
4/1/2019	EMF-41	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
4/4/2019	EMF-41	0.0	0.5	0.5	0.7	0.3	0.7	0.7	1.0
4/1/2019	EMF-42	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1
4/4/2019	EMF-42	0.0	0.4	0.5	0.6	0.0	0.6	0.4	0.7
4/1/2019	EMF-43	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1
4/4/2019	EMF-43	0.0	0.5	0.6	0.8	0.1	0.6	0.6	0.9
4/1/2019	EMF-44	0.0	0.1	0.3	0.3	0.0	0.2	0.3	0.4
4/4/2019	EMF-44	0.0	0.4	1.2	1.3	0.0	0.9	1.0	1.3
4/1/2019	EMF-45	0.0	0.1	0.2	0.2	0.1	0.2	0.3	0.4
4/4/2019	EMF-45	0.0	0.0	0.6	0.6	0.2	0.9	0.7	1.2
4/1/2019	EMF-46	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
4/4/2019	EMF-46	0.0	0.9	0.4	1.0	0.1	1.0	0.4	1.1
4/1/2019	EMF-47	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.6
4/4/2019	EMF-47	0.2	0.3	0.4	0.5	0.4	0.7	0.7	1.1
4/1/2019	EMF-48	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.4
4/4/2019	EMF-48	0.0	0.3	0.4	0.5	0.3	0.7	0.7	1.0
4/1/2019	EMF-49	0.0	0.1	0.2	0.2	0.2	0.4	0.4	0.6
4/4/2019	EMF-49	0.1	0.3	0.4	0.5	0.4	0.6	0.7	1.0
4/1/2019	EMF-50	0.0	0.2	0.2	0.3	0.1	0.3	0.3	0.4
4/4/2019	EMF-50	0.0	0.4	0.4	0.6	0.2	0.6	0.6	0.9
4/1/2019	EMF-51	0.1	0.3	0.1	0.3	0.2	0.4	0.2	0.5
4/4/2019	EMF-51	0.0	0.4	0.3	0.5	0.1	0.5	0.4	0.6
4/2/2019	EMF-52	1.4	0.6	0.2	1.5	1.7	0.5	0.4	1.8
4/4/2019	EMF-52	0.4	0.6	1.0	1.2	1.5	1.6	0.4	2.2
4/2/2019	EMF-53	0.4	1.4	0.6	1.6	0.3	1.3	0.9	1.6
4/4/2019	EMF-53	1.1	3.6	0.4	3.8	1.4	3.5	0.4	3.8
4/2/2019	EMF-54	0.2	0.4	1.0	1.1	0.3	0.7	1.6	1.8
4/4/2019	EMF-54	0.7	0.7	1.1	1.5	0.6	0.7	1.1	1.4
4/2/2019	EMF-55	0.1	0.5	1.2	1.3	0.2	0.5	1.6	1.7
4/4/2019	EMF-55	0.4	1.2	0.7	1.4	0.4	1.8	1.1	2.1
4/2/2019	EMF-56	0.0	0.8	0.8	1.1	0.2	1.2	1.3	1.8
4/4/2019	EMF-56	0.1	0.1	0.7	0.7	0.2	0.4	1.1	1.2
4/2/2019	EMF-57	0.0	0.8	1.0	1.3	0.2	1.2	1.5	1.9
4/4/2019	EMF-57	0.0	0.3	0.7	0.8	0.1	0.7	1.1	1.3
4/2/2019	EMF-58	0.0	0.8	0.4	0.9	0.0	1.2	0.8	1.4
4/4/2019	EMF-58	0.0	0.5	0.4	0.6	0.2	1.0	1.0	1.4
4/2/2019	EMF-59	0.1	0.6	0.5	0.8	0.3	1.0	1.2	1.6
4/4/2019	EMF-59	0.1	0.5	0.2	0.5	0.2	1.2	0.7	1.4
4/2/2019	EMF-60	0.0	1.0	0.3	1.0	0.1	1.7	0.8	1.9
4/4/2019	EMF-60	0.0	0.7	0.6	0.9	0.3	1.6	1.5	2.2
4/2/2019	EMF-61	0.0	1.0	0.5	1.1	0.1	1.7	1.0	2.0
4/4/2019	EMF-61	0.0	1.0	0.7	1.2	0.2	1.7	1.3	2.1

Notes
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Electromagnetic Field Data
Los Angeles Unified School District
John F. Kennedy High School

Sample Date	Sample ID	4 feet ags				9 feet ags			
		X (mG)	Y (mG)	Z (mG)	[1]EMF (mG)	X (mG)	Y (mG)	Z (mG)	[1]EMF (mG)
4/2/2019	EMF-62	0.0	0.5	0.3	0.6	0.6	1.1	1.2	1.7
4/4/2019	EMF-62	0.0	1.4	0.8	1.6	0.3	2.2	1.5	2.7
4/2/2019	EMF-63	0.0	0.3	0.3	0.4	0.3	0.7	0.8	1.1
4/4/2019	EMF-63	0.0	0.3	0.7	0.8	0.2	0.9	1.3	1.6
4/2/2019	EMF-64	0.4	1.3	0.0	1.4	0.4	1.3	0.0	1.4
4/4/2019	EMF-64	1.0	3.8	0.5	4.0	1.3	3.7	0.6	4.0
4/2/2019	EMF-65	0.2	0.1	0.5	0.5	0.6	1.4	1.9	2.4
4/4/2019	EMF-65	0.9	1.3	0.4	1.6	1.8	2.0	1.8	3.2
4/2/2019	EMF-66	0.0	0.1	0.6	0.6	0.3	0.4	1.0	1.1
4/4/2019	EMF-66	0.4	0.5	0.8	1.0	0.8	0.8	1.2	1.6
4/2/2019	EMF-67	0.1	0.0	0.7	0.7	0.2	0.2	0.1	0.3
4/4/2019	EMF-67	0.2	0.4	0.7	0.8	0.2	0.4	0.9	1.0
4/2/2019	EMF-68	0.0	0.3	0.6	0.7	0.1	0.3	0.7	0.8
4/4/2019	EMF-68	0.0	0.4	0.6	0.7	0.0	0.4	0.7	0.8
4/2/2019	EMF-71	0.3	0.8	0.6	1.0	1.1	1.7	1.6	2.6
4/2/2019	EMF-72	0.0	0.4	0.5	0.6	0.2	0.6	0.8	1.0
4/4/2019	EMF-72	0.0	0.3	0.4	0.5	0.3	0.6	0.7	1.0
4/2/2019	EMF-73	0.0	0.5	0.1	0.5	0.1	0.6	0.2	0.6
4/4/2019	EMF-73	0.0	0.2	0.5	0.5	0.0	0.3	0.6	0.7
4/2/2019	EMF-74	0.0	0.5	0.1	0.5	0.2	0.7	0.3	0.8
4/4/2019	EMF-74	0.0	0.3	0.3	0.4	0.5	0.8	0.7	1.2
4/1/2019	EMF-75	0.5	1.9	0.1	2.0	0.7	1.9	0.1	2.0
4/4/2019	EMF-75	0.8	4.1	0.5	4.2	1.3	4.0	0.0	4.2
4/1/2019	EMF-76	0.5	0.5	0.1	0.7	0.5	0.5	0.2	0.7
4/4/2019	EMF-76	0.6	0.7	0.1	0.9	0.9	0.9	0.2	1.3
4/1/2019	EMF-77	0.2	0.3	0.0	0.4	0.2	0.4	0.2	0.5
4/4/2019	EMF-77	0.3	0.3	0.0	0.4	0.4	0.4	0.1	0.6
4/1/2019	EMF-78	0.1	0.3	0.1	0.3	0.1	0.4	0.2	0.5
4/4/2019	EMF-78	0.3	0.5	0.0	0.6	0.3	0.5	0.0	0.6
4/2/2019	EMF-79	0.0	0.2	0.0	0.2	0.1	0.3	0.1	0.3
4/4/2019	EMF-79	0.1	0.3	0.0	0.3	0.1	0.3	0.1	0.3
4/2/2019	EMF-82	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2
4/4/2019	EMF-82	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.2
4/2/2019	EMF-83	0.1	0.2	0.0	0.2	0.1	0.2	0.1	0.2
4/4/2019	EMF-83	0.0	0.1	0.0	0.1	0.1	0.2	0.1	0.2
4/2/2019	EMF-84	0.0	0.1	0.0	0.1	0.0	0.2	0.1	0.2
4/4/2019	EMF-84	0.0	0.1	0.0	0.1	0.1	0.2	0.1	0.2
4/2/2019	EMF-85	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.3
4/4/2019	EMF-85	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
4/1/2019	EMF-86	0.3	1.3	0.1	1.3	0.4	1.4	0.0	1.5
4/4/2019	EMF-86	0.6	4.0	0.1	4.0	1.2	4.3	0.1	4.5
4/1/2019	EMF-87	0.3	0.2	0.1	0.4	0.4	0.3	0.1	0.5
4/4/2019	EMF-87	1.1	1.2	0.2	1.6	1.1	1.1	0.1	1.6
4/1/2019	EMF-88	0.0	0.2	0.2	0.3	0.3	0.3	0.2	0.5
4/4/2019	EMF-88	0.4	0.4	0.0	0.6	0.7	0.7	0.4	1.1
4/1/2019	EMF-89	0.1	0.2	0.0	0.2	0.2	0.3	0.1	0.4
4/4/2019	EMF-89	0.2	0.3	0.0	0.4	0.3	0.4	0.2	0.5
4/2/2019	EMF-90	0.3	0.1	0.0	0.3	0.3	0.2	0.1	0.4
4/4/2019	EMF-90	0.3	0.1	0.0	0.3	0.2	0.1	0.1	0.2
4/2/2019	EMF-91	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
4/4/2019	EMF-91	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
4/2/2019	EMF-92	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1
4/4/2019	EMF-92	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1
4/2/2019	EMF-93	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.2
4/4/2019	EMF-93	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
4/2/2019	EMF-94	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
4/4/2019	EMF-94	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
4/2/2019	EMF-95	0.0	0.1	0.0	0.1	0.2	0.3	0.2	0.4
4/4/2019	EMF-95	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
4/2/2019	EMF-96	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.4
4/4/2019	EMF-96	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3

Notes
ags: above ground surface
EMF: Electromagnetic Field
mG: milligauss
[1] EMF was calculated using equation EMF = $\sqrt{(x^2+y^2+z^2)}$. x, y, and z values were obtained in the field with Extech EMF Tester 480826.

APPENDIX B

HMC Architects Option A

OPTION A

OVERALL SITE PLAN

DISTRICT BUDGET
$71,958,920

CONSTRUCTION COST
$71,655,176 ($303,744)

PROS

- Under budget
- Low impact to site
- Undisturbed campus routine
- New Science CRs are adjacent to existing
- Additional (85) parking spaces than required

CONS

- Building does not activate campus open space
- Little to no street presence for new building
- Existing Portables next to Tennis Courts will need to be relocated before construction of New Bldg.

PARKING

OPTION A	**394 STALLS**
OPTION B1	391 STALLS
OPTION B2	370 STALLS
EXISTING	309 STALLS
REQUIRED	243 STALLS

LEGEND

- CAMPUS ENTRANCE
- OPTION A LIMIT OF WORK
- FULL / MAJOR MODERNIZATION
- LIGHT MODERNIZATION / SEISMIC ONLY
- NEW BUILDING / STRUCTURE
- NO SCOPE (OTHER THAN EXTERIOR/INTERIOR REFRESH + IP CONVERGENCE
- PLANNED FOOTPRINT FOR FUTURE PROJECT NIC
- PORTABLES TO BE REMOVED

North

Scale: 1" = 120'-0"

HMC Architects

Appendix G
Noise Modeling Data

Appendix

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Noise Appendix

Field Noise Measurement Data Sheets

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: JFK HS/LAUSD
PROJECT #: 10319.01
SITE ID:
SITE ADDRESS:
OBSERVER(S): PEYE VIYAR
START DATE: 1/30/19 END DATE: 1/30/19
START TIME: END TIME:

METEOROLOGICAL CONDITIONS
TEMP 58 F HUMIDITY 74 % R.H. WIND (CALM) LIGHT MODERATE
WINDSPD MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
SKY SUNNY CLEAR OVRCAST (PRTLY CLDY) FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT PICCOLO SLM-3 TYPE 1 (2) SERIAL # 14031 7004
CALIBRATOR BSWA CA 114 SERIAL # 480151
CALIBRATION CHECK PRE-TEST dBA SPL POST-TEST dBA SPL WINDSCRN YES

SETTINGS A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST-1) 1-2	10:12	10:27	65.6	84.8	52.9				

COMMENTS
READING TAKEN IN FRONT OF 11244 WOODLEY AVE (RESIDENTIAL);
PRIMARY NOISE SOURCE IS TRAFFIC ON WOODLEY AVE;

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR (EOP): 13'

TRAFFIC COUNT DURATION: 15 MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB
AUTOS	71			
MED TRKS	2			
HVY TRKS	1			
BUSES	0			
MOTRCLS	0			

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ✓

COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN HARD SOFT (MIXED) FLAT OTHER:
PHOTOS 3645; 3646; 3647; 3648
OTHER COMMENTS / SKETCH

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: JFK HS (LAUSD) | PROJECT #: 10319.01
SITE ID:
SITE ADDRESS: | OBSERVER(S): PETE VIZIN
START DATE: 1/30/19 | END DATE: 1/30/19
START TIME: | END TIME:

METEOROLOGICAL CONDITIONS

TEMP 60 F | HUMIDITY 61 % R.H. | WIND (CALM) LIGHT MODERATE VARIABLE STEADY GUSTY
WINDSPD MPH | DIR. N NE S SE S SW W NW
SKY SUNNY CLEAR OVRCAST (PRTLY CLDY) FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT: PICCOLO SLM-3 | TYPE 1 (2) | SERIAL # 140317004
CALIBRATOR: BSWA CA 114 | SERIAL # 480151
CALIBRATION CHECK: PRE-TEST ____ dBA SPL | POST-TEST ____ dBA SPL | WINDSCRN YES

SETTINGS: A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST-2) 3-4	10:45	11:01	57.9	70.5	52.5				

COMMENTS: READING TAKEN IN FRONT OF 11315 GOTHIC AVE (RESIDENTIAL); PRIMARY NOISE SOURCE DISTANT TRAFFIC FROM 118 FREEWAY; SECONDARY IS NEARBY CONVERSATIONS

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT | DIST. TO RDWY C/L OR (EOP): 11'

TRAFFIC COUNT DURATION: 15 MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB
AUTOS	7			
MED TRKS	0			
HVY TRKS	0			
BUSES	0			
MOTRCLS	0			

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE: NO

COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING (DIST. CONVRSTNS / YELLING) (DIST. TRAFFIC (LIST RDWYS BELOW)) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: NOISE FROM 118 FREEWAY

DESCRIPTION / SKETCH

TERRAIN: HARD SOFT (MIXED) FLAT OTHER:
PHOTOS: 3649; 3650; 3651; 3652
OTHER COMMENTS / SKETCH

N

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: JFK HS (LAUSD) | PROJECT #: 10319.01
SITE ID:
SITE ADDRESS: | OBSERVER(S): PETE VITAL
START DATE: 1/30/19 | END DATE: 1/30/19
START TIME: | END TIME:

METEOROLOGICAL CONDITIONS

TEMP 60 F | HUMIDITY 61 % R.H. | WIND (CALM) LIGHT MODERATE
WINDSPD MPH | DIR. N NE S SE S SW W NW | VARIABLE STEADY GUSTY
SKY SUNNY CLEAR | OVRCAST (PRTLY CLDY) FOG | RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT: PICCOLO SLM-3 | TYPE 1 (2) | SERIAL # 14031004
CALIBRATOR: B&WA CA 114 | SERIAL # 480151
CALIBRATION CHECK | PRE-TEST dBA SPL | POST-TEST dBA SPL | WINDSCRN FEC

SETTINGS: A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST-3) 5-6	11:08	11:23	64.2	79.6	56.3				

COMMENTS
READING TAKEN IN FRONT OF 11237 GOTHIC AVE (RESIDENTIAL);
PRIMARY NOISE SOURCE IS DISTANT TRAFFIC FROM I18 FREEWAY;
~~[illegible]~~ SECONDARY IS TRAFFIC ON GOTHIC AVE;

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: | DIST. TO RDWY C/L OR (EOP): 13'
TRAFFIC COUNT DURATION: 15 MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ✓	COUNT 2 (OR RDWY 2) NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB
AUTOS	14								
MED TRKS	4								
HVY TRKS	0								
BUSES	0								
MOTRCLS	0								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: NOISE FROM I18 FREEWAY;

DESCRIPTION / SKETCH

TERRAIN HARD SOFT (MIXED) FLAT OTHER:
PHOTOS 3655; 3656; 3657; 3658
OTHER COMMENTS / SKETCH

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: JFK HS (LAUSD) | PROJECT #: 10319.01
SITE ID:
SITE ADDRESS: | OBSERVER(S): PETE VITAN
START DATE: 1/30/19 | END DATE: 1/30/19
START TIME: | END TIME:

METEOROLOGICAL CONDITIONS

TEMP 62 F | HUMIDITY 64 % R.H. | WIND (CALM) LIGHT MODERATE
WINDSPD MPH | DIR. N NE S SE S SW W NW | VARIABLE STEADY GUSTY
SKY SUNNY CLEAR OVRCAST (PRTLY CLDY) FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT: PICCOLO SLM-3 | TYPE 1 (2) | SERIAL # 1403170004
CALIBRATOR: BSVA CA 114 | SERIAL # 480151
CALIBRATION CHECK PRE-TEST dBA SPL | POST-TEST dBA SPL | WINDSCRN YES

SETTINGS: A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST-4) 7-8	11:28	11:43	59.5	68.7	56.1				

COMMENTS: PRIMARY READING TAKEN IN FRONT OF 11149 VALJEAN AVE (RESIDENTIAL); PRIMARY NOISE SOURCE IS DISTANT TRAFFIC FROM 118 FREEWAY AND FROM SAN FERNANDO MISSION BLVD;

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT | DIST. TO RDWY C/L OR EOP:

TRAFFIC COUNT DURATION: 15 MIN | SPEED ___ MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ✓	COUNT 2 (OR RDWY 2) NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	1								
MED TRKS	0								
HVY TRKS	0								
BUSES	0								
MOTRCLS	0								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING (DIST. TRAFFIC (LIST RDWYS BELOW)) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: TRAFFIC ON 118 FREEWAY AND ON SAN FERNANDO MISSION BLVD;

DESCRIPTION / SKETCH

TERRAIN HARD SOFT (MIXED) FLAT OTHER:
PHOTOS 3660; 3661; 3662; 3663
OTHER COMMENTS / SKETCH

N

Construction Noise Model Input / Output

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 4/11/2019
Case Description: Kennedy HS - Demoltion, Interim Housing, Modernization

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences - Nearest	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Hydra Break Ram	Yes	10	90		75	0
Front End Loader	No	40		79.1	85	0
All Other Equipment > 5 HP	No	50	85		95	0
All Other Equipment > 5 HP	No	50	85		110	0
Flat Bed Truck	No	40		74.3	150	0
Flat Bed Truck	No	40		74.3	100	0
Jackhammer	Yes	20		88.9	85	0
Compressor (air)	No	40		77.7	175	0
Jackhammer	Yes	20		88.9	150	0
Compressor (air)	No	40		77.7	100	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Hydra Break Ram	86.5	76.5	N/A	N/A	N/A	N/A
Front End Loader	74.5	70.5	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	79.4	76.4	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	78.2	75.1	N/A	N/A	N/A	N/A
Flat Bed Truck	64.7	60.7	N/A	N/A	N/A	N/A
Flat Bed Truck	68.2	64.3	N/A	N/A	N/A	N/A
Jackhammer	84.3	77.3	N/A	N/A	N/A	N/A
Compressor (air)	66.8	62.8	N/A	N/A	N/A	N/A
Jackhammer	79.3	72.4	N/A	N/A	N/A	N/A
Compressor (air)	71.6	67.7	N/A	N/A	N/A	N/A
Total	86.5	83.3	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences - Typical	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Hydra Break Ram	Yes	10	90		300	0
Front End Loader	No	40		79.1	300	0

All Other Equipment > 5 HP	No	50	85		300	0
All Other Equipment > 5 HP	No	50	85		300	0
Flat Bed Truck	No	40		74.3	300	0
Flat Bed Truck	No	40		74.3	300	0
Jackhammer	Yes	20		88.9	300	0
Compressor (air)	No	40		77.7	300	0
Jackhammer	Yes	20		88.9	300	0
Compressor (air)	No	40		77.7	300	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Hydra Break Ram	74.4	64.4	N/A	N/A	N/A	N/A
Front End Loader	63.5	59.6	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	69.4	66.4	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	69.4	66.4	N/A	N/A	N/A	N/A
Flat Bed Truck	58.7	54.7	N/A	N/A	N/A	N/A
Flat Bed Truck	58.7	54.7	N/A	N/A	N/A	N/A
Jackhammer	73.3	66.3	N/A	N/A	N/A	N/A
Compressor (air)	62.1	58.1	N/A	N/A	N/A	N/A
Jackhammer	73.3	66.3	N/A	N/A	N/A	N/A
Compressor (air)	62.1	58.1	N/A	N/A	N/A	N/A
Total	74.4	73.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 4/11/2019
Case Description: Kennedy HS - Site Preparation, Modernization

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences - Nearest	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	75	0
Compactor (ground)	No	20		83.2	95	0
Front End Loader	No	40		79.1	85	0
All Other Equipment > 5 HP	No	50	85		110	0
Dump Truck	No	40		76.5	150	0
Dump Truck	No	40		76.5	85	0
Dump Truck	No	40		76.5	150	0
Roller	No	20		80	125	0
Roller	No	20		80	100	0
Compressor (air)	No	40		77.7	175	0
Excavator	No	40		80.7	95	0

Results

		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		77.2	73.2	N/A	N/A	N/A	N/A
Compactor (ground)		77.7	70.7	N/A	N/A	N/A	N/A
Front End Loader		74.5	70.5	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP		78.2	75.1	N/A	N/A	N/A	N/A
Dump Truck		66.9	62.9	N/A	N/A	N/A	N/A
Dump Truck		71.8	67.9	N/A	N/A	N/A	N/A
Dump Truck		66.9	62.9	N/A	N/A	N/A	N/A
Roller		72	65.1	N/A	N/A	N/A	N/A
Roller		74	67	N/A	N/A	N/A	N/A
Compressor (air)		66.8	62.8	N/A	N/A	N/A	N/A
Excavator		75.1	71.2	N/A	N/A	N/A	N/A
	Total	78.2	80.4	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences - Typical	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	300	0
Compactor (ground)	No	20		83.2	300	0
Front End Loader	No	40		79.1	300	0
All Other Equipment > 5 HP	No	50	85		300	0
Dump Truck	No	40		76.5	300	0
Dump Truck	No	40		76.5	300	0
Dump Truck	No	40		76.5	300	0
Roller	No	20		80	300	0
Roller	No	20		80	300	0
Compressor (air)	No	40		77.7	300	0
Excavator	No	40		80.7	300	0

Results

		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		65.1	61.2	N/A	N/A	N/A	N/A
Compactor (ground)		67.7	60.7	N/A	N/A	N/A	N/A
Front End Loader		63.5	59.6	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP		69.4	66.4	N/A	N/A	N/A	N/A
Dump Truck		60.9	56.9	N/A	N/A	N/A	N/A
Dump Truck		60.9	56.9	N/A	N/A	N/A	N/A
Dump Truck		60.9	56.9	N/A	N/A	N/A	N/A
Roller		64.4	57.4	N/A	N/A	N/A	N/A
Roller		64.4	57.4	N/A	N/A	N/A	N/A
Compressor (air)		62.1	58.1	N/A	N/A	N/A	N/A
Excavator		65.1	61.2	N/A	N/A	N/A	N/A
	Total	69.4	70.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 4/11/2019
Case Description: Kennedy HS - Bldg Construction, Modernization

				---- Receptor #1 ----
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences - Nearest	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	75	0
Concrete Pump Truck	No	20		81.4	95	0
Concrete Mixer Truck	No	40		78.8	100	0
Concrete Pump Truck	No	20		81.4	90	0
Concrete Mixer Truck	No	40		78.8	120	0
Impact Pile Driver	Yes	20		101.3	100	0
Concrete Pump Truck	No	20		81.4	150	0
Crane	No	16		80.6	95	0
Dump Truck	No	40		76.5	175	0
Dump Truck	No	40		76.5	125	0
Excavator	No	40		80.7	95	0
Gradall	No	40		83.4	120	0
Man Lift	No	20		74.7	110	0
Gradall	No	40		83.4	90	0
Pickup Truck	No	40		75	120	0
Backhoe	No	40		77.6	150	0
Backhoe	No	40		77.6	130	0
Compressor (air)	No	40		77.7	100	0

	Calculated (dBA)		Results	Noise Limits (dBA)		
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	75.3	71.3	N/A	N/A	N/A	N/A
Concrete Pump Truck	75.8	68.8	N/A	N/A	N/A	N/A
Concrete Mixer Truck	72.8	68.8	N/A	N/A	N/A	N/A
Concrete Pump Truck	76.3	69.3	N/A	N/A	N/A	N/A
Concrete Mixer Truck	71.2	67.2	N/A	N/A	N/A	N/A
Impact Pile Driver	95.2	88.3	N/A	N/A	N/A	N/A
Concrete Pump Truck	71.9	64.9	N/A	N/A	N/A	N/A
Crane	75	67	N/A	N/A	N/A	N/A
Dump Truck	65.6	61.6	N/A	N/A	N/A	N/A
Dump Truck	68.5	64.5	N/A	N/A	N/A	N/A
Excavator	75.1	71.2	N/A	N/A	N/A	N/A
Gradall	75.8	71.8	N/A	N/A	N/A	N/A
Man Lift	67.9	60.9	N/A	N/A	N/A	N/A
Gradall	78.3	74.3	N/A	N/A	N/A	N/A
Pickup Truck	67.4	63.4	N/A	N/A	N/A	N/A

Backhoe		68	64	N/A	N/A	N/A	N/A
Backhoe		69.3	65.3	N/A	N/A	N/A	N/A
Compressor (air)		71.6	67.7	N/A	N/A	N/A	N/A
	Total	95.2	89	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences - Typical	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	300	0
Concrete Pump Truck	No	20		81.4	300	0
Concrete Mixer Truck	No	40		78.8	300	0
Concrete Pump Truck	No	20		81.4	300	0
Concrete Mixer Truck	No	40		78.8	300	0
Impact Pile Driver	Yes	20		101.3	300	0
Concrete Pump Truck	No	20		81.4	300	0
Crane	No	16		80.6	300	0
Dump Truck	No	40		76.5	300	0
Dump Truck	No	40		76.5	300	0
Excavator	No	40		80.7	300	0
Gradall	No	40		83.4	300	0
Man Lift	No	20		74.7	300	0
Gradall	No	40		83.4	300	0
Pickup Truck	No	40		75	300	0
Backhoe	No	40		77.6	300	0
Backhoe	No	40		77.6	300	0
Compressor (air)	No	40		77.7	300	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Concrete Mixer Truck	63.2	59.3	N/A	N/A	N/A	N/A
Concrete Pump Truck	65.8	58.8	N/A	N/A	N/A	N/A
Concrete Mixer Truck	63.2	59.3	N/A	N/A	N/A	N/A
Concrete Pump Truck	65.8	58.8	N/A	N/A	N/A	N/A
Concrete Mixer Truck	63.2	59.3	N/A	N/A	N/A	N/A
Impact Pile Driver	85.7	78.7	N/A	N/A	N/A	N/A
Concrete Pump Truck	65.8	58.8	N/A	N/A	N/A	N/A
Crane	65	57	N/A	N/A	N/A	N/A
Dump Truck	60.9	56.9	N/A	N/A	N/A	N/A
Dump Truck	60.9	56.9	N/A	N/A	N/A	N/A
Excavator	65.1	61.2	N/A	N/A	N/A	N/A
Gradall	67.8	63.9	N/A	N/A	N/A	N/A
Man Lift	59.1	52.1	N/A	N/A	N/A	N/A
Gradall	67.8	63.9	N/A	N/A	N/A	N/A
Pickup Truck	59.4	55.5	N/A	N/A	N/A	N/A
Backhoe	62	58	N/A	N/A	N/A	N/A
Backhoe	62	58	N/A	N/A	N/A	N/A

Compressor (air)		62.1	58.1	N/A	N/A	N/A	N/A
	Total	85.7	79.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 4/11/2019
Case Description: Kennedy HS - Asphalt Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences - Nearest	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	75	0
Front End Loader	No	40		79.1	100	0
Roller	No	20		80	85	0
Paver	No	50		77.2	120	0
Flat Bed Truck	No	40		74.3	90	0
Flat Bed Truck	No	40		74.3	150	0
Flat Bed Truck	No	40		74.3	150	0
Flat Bed Truck	No	40		74.3	120	0
Flat Bed Truck	No	40		74.3	100	0

Equipment	Calculated (dBA) *Lmax	Leq	Results Day Lmax	Day Leq	Noise Limits (dBA) Evening Lmax	Evening Leq
Front End Loader	75.6	71.6	N/A	N/A	N/A	N/A
Front End Loader	73.1	69.1	N/A	N/A	N/A	N/A
Roller	75.4	68.4	N/A	N/A	N/A	N/A
Paver	69.6	66.6	N/A	N/A	N/A	N/A
Flat Bed Truck	69.1	65.2	N/A	N/A	N/A	N/A
Flat Bed Truck	64.7	60.7	N/A	N/A	N/A	N/A
Flat Bed Truck	64.7	60.7	N/A	N/A	N/A	N/A
Flat Bed Truck	66.6	62.7	N/A	N/A	N/A	N/A
Flat Bed Truck	68.2	64.3	N/A	N/A	N/A	N/A
Total	75.6	76.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences - Typical	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)

Front End Loader	No	40	79.1	300	0
Front End Loader	No	40	79.1	300	0
Roller	No	20	80	300	0
Paver	No	50	77.2	300	0
Flat Bed Truck	No	40	74.3	300	0
Flat Bed Truck	No	40	74.3	300	0
Flat Bed Truck	No	40	74.3	300	0
Flat Bed Truck	No	40	74.3	300	0
Flat Bed Truck	No	40	74.3	300	0

			Results			
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	63.5	59.6	N/A	N/A	N/A	N/A
Front End Loader	63.5	59.6	N/A	N/A	N/A	N/A
Roller	64.4	57.4	N/A	N/A	N/A	N/A
Paver	61.7	58.6	N/A	N/A	N/A	N/A
Flat Bed Truck	58.7	54.7	N/A	N/A	N/A	N/A
Flat Bed Truck	58.7	54.7	N/A	N/A	N/A	N/A
Flat Bed Truck	58.7	54.7	N/A	N/A	N/A	N/A
Flat Bed Truck	58.7	54.7	N/A	N/A	N/A	N/A
Flat Bed Truck	58.7	54.7	N/A	N/A	N/A	N/A
Total	64.4	66.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Appendix H
Site Circulation Report

Appendix

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Site Circulation Report

LAUSD SCHOOL MODERNIZATION PROJECT - JOHN F KENNEDY HIGH SCHOOL

LIN Consulting, Inc.

Traffic, Civil, and Electrical Consulting Engineers

Prepared by:
LIN Consulting, Inc.

For:
ESA
Los Angeles Unified School District

October 26, 2018

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1.0 INTRODUCTION

The purpose of this report is to document existing conditions at John F Kennedy High School (Kennedy HS), located at 11254 Gothic Avenue in the Los Angeles Unified School District's (LAUSD) Northwest District in the Granada Hills community of the City of Los Angeles. This report summarizes existing conditions, including observed and reported circulation operations, for use in the facilities planning and design process for the Kennedy HS Comprehensive Modernization Project.

Observations include conditions and operations at adjacent intersections and roadway segments, internal parking lots, and identified or reported issues. Other existing conditions recorded are general vehicular travel (including pick-up/drop-off operations), school bus, parking, pedestrian and bicycle activity. To aid this process, a safety audit (with an emphasis on walking) was performed within the campus and on the immediately surrounding streets. The audit encompasses positive and negative site circulation attributes observed during field visits from a professional civil engineering perspective. Walkability, accessibility, visibility, and safety of pedestrians and bicyclists around the perimeter of the school are some of the major circulation elements that were evaluated in the audit. A follow-up interview regarding access, egress, and circulation at the school was conducted with Kennedy HS administration, including Assistant Principal Henry Song, on June 6, 2018.

This report concludes with observed operational and/or circulation challenges, and offers potential opportunities for improvements to site success access and/or onsite circulation that can be explored further in the facilities planning process for the Kennedy HS Comprehensive Modernization Project, as well as other future projects. ***Appendix A*** includes notes from the field review conducted on May 29, 2018, and ***Appendix B*** includes notes from the walk audits conducted on the same date. Selected photos depicting conditions described in this report are includes in ***Appendix C***. ***Appendix D*** provides additional information on circulation, such as traffic counts on record.

1.1 School and Neighborhood Description

Kennedy HS first opened its doors to students in 1971. Per the school's 2017-2018 Single Plan for Student Achievement (SPSA), Kennedy HS served a total of 2,131 students from grades 9 to 12 for the 2016-2017 academic school year and many students travel to Kennedy HS campus on buses from across the city to attend their magnet school. A regular school day has a morning bell at 7:56 am and afternoon bell at 2:49 pm.

Within the campus of Kennedy HS, one other school operates:

JANE ADDAMS CONTINUATION HIGH SCHOOL

Jane Addams Continuation High School is a continuation high school that serves grades 9-12 located at the southwest corner of Kennedy HS. Per the school's 2017-18 SPSA, Jane Addams High School served 124 students during the 2015-16 academic school year and enrollment has decreased from 220 students enrolled during the 2011-12 academic school year. The staff and faculty for both Kennedy HS and Jane Addams High School share the southwest parking lot.

2.0 TRANSPORTATION NETWORK

2.1 Streets and Intersections

The Kennedy HS campus is generally bounded by Simonds Street to the north, Woodley Avenue to the east, Gothic Avenue and a portion of Index Street to the west, and Donmetz Street to the south. The public entry to the main office is accessed from Gothic Avenue. Roadway characteristics, including roadway classification identified in the City of Los Angeles *Mobility Plan 2035*[1], for study area roadways are provided below.

STUDY AREA ROADWAYS

Simonds Street is an east-west roadway classified as a Local (standard) street with one travel lane in each direction within the school zone. Curb parking is allowed all day, except Thursdays from 8:00 am to 10:00 am on the north side, and Fridays from 8:00 am and 10:00 am on the south side (for street sweeping). No stopping is permitted on the south side between 7:00 am and 5:00 am on school days (school bus exempted) for approximately 950 feet west of Woodley Avenue. There is no posted speed limit and no school zone warning sign located on Simonds Street between Gothic Avenue and Woodley Avenue. In accordance with Section 22352 of the California Vehicle Code, a school zone warning sign is required up to 500 feet away from school grounds.

Woodley Avenue is a north-south roadway classified as an Avenue II with two travel lanes in each direction plus one 10-foot center turning lane within the school zone. Curb parking is allowed all day, except Mondays from 8:00 am to 10:00 am on the east side, and Fridays from 8:00 am and 10:00 am on the west side (for street sweeping). The posted speed limit is 40 mph,

[1] *Los Angeles Department of City Planning. Mobility Plan 2035 (California: Los Angeles, 2016)*

and 25mph when children are present in accordance with Section 22352 of the California Vehicle Code.

Gothic Avenue is a north-south roadway classified as a Collector street with one travel lane in each direction within the school zone. Curb parking is allowed all day between Simonds Street and Index Street, except Thursdays from 8:00 am to 10:00 am on the east side and Fridays from 8:00 am to 10:00 am on the west side. Near the school gate, curb parking is prohibited between 7:00 am and 5:00 pm on school days on the west side and the east side is designated for passenger loading from 6:30 am to 9:00 am and 1:30 pm to 4:00 pm on school days, 2-hour parking from 9:00 am to 1:30 pm on school days, and no parking from 8:00 am to 10:00 am on Thursdays for street sweeping. There is no posted speed limit but a school zone warning sign is posted in both travel directions 250 feet away from school grounds in accordance with Section 22352 of the California Vehicle Code.

Index Street is an east-west roadway classified as a Collector street with one travel lane in each direction within the school zone. Index Street ends 65 feet east of Gothic Avenue and continues as a service road within the Kennedy HS campus near the student parking lot at the northeast corner of the campus. For the portion of Index Street that is adjacent to the school grounds, curb parking is prohibited from 8:00 am to 10:00 am on Thursdays, and 15-minute parking is available from 7:00 am to 5:00 pm on school days on the north side and prohibited from 7:00 am to 5:00 pm on school days on the south side.

Donmetz Street is an east-west roadway classified as a Local (standard) street with one travel lane in each direction within the school zone. Curb parking is allowed all day, except on Thursdays from 8:00 am to 10:00 am on the north side and Fridays from 8:00 am to 10:00 am on the south side. There is no posted speed limit and no school zone warning sign is posted. In accordance with Section 22352 of the California Vehicle Code, a school warning sign is required up to 500 feet away from school grounds.

STUDY AREA INTERSECTIONS

Gothic Avenue & Index Street is an unsignalized T-intersection with stop control on all movements.

Woodley Avenue & Simonds Street is an unsignalized T-intersection with stop control on Simonds Street.

Gothic Avenue & Donmetz Street is an unsignalized T-intersection with stop control on all movements.

Woodley Ave & Index Street is a signalized intersection operating under semi-actuated signal phasing with Woodley Avenue as the coordinated street. The intersection has permissive left turns for all approaches. Pedestrian phase recall occurs along Woodley Avenue, with all approaches having crosswalks and high-visibility crosswalk pavement markings. The west leg of the intersection is a gated service road (Index Street) for the campus. A flashing red light controls vehicles exiting the gated service road.

Gothic Avenue & Simonds Street is an unsignalized T-intersection with stop control on all movements.

Specific characteristics of each intersection, including lane configurations, can be found in ***Appendix A***.

2.2 Transit

Bus transit stops and services (operators and routes) provided within the vicinity of Kennedy HS are as follows:

- Woodley Avenue
  - Northeast corner of Index Street
    - Metro 237 (Northbound)
  - Southwest corner of Index Street
    - Metro 237 (Southbound)

Metro Local Route 237 operates seven days a week between Granada Hills and Hollywood via Woodley Avenue.

2.3 Bicycle and Pedestrian Facilities

Sidewalks exist on both sides of Gothic Avenue and Woodley Avenue, and on the south side of Simonds Street within the school zone. The concrete sidewalks on the west side of Gothic Avenue and the east side of Woodley Avenue separated from vehicular traffic by a landscape buffer, with regular gaps provided for tree planters.

Class II bikeways (a striped lane for one-way bike travel) are provided on both sides of Woodley Avenue within the school zone. No other bicycle facilities are provided within the school zone. Bicycle racks are provided on-site south in the student parking lot located at the northeast

corner of the campus. Assistant Principal Henry Song indicated that bicycle racks serve typically between 40 to 50 bicycles, and that skateboarding was a more popular travel mode than bicycling. Skateboards are stored in a dedicated room at the Dean's office. Per the City of Los Angeles Mobility Plan 2035, Woodley Avenue is part of the Bicycle Enhanced Network, classified as a Tier 1 Protected Bicycle Lane.

Assistant Principal Henry Song stated that between 50% to 75% of the student body walks to school. Assistant Principal Henry Song also stated the majority of faculty and staff drives to campus, and mainly to and from the north.

2.4 Parks and Other Recreational Facilities

Von Norman Lakes Reservoir is approximately 0.7 miles walking northeast of the school. Petit Park Granada Hills Recreation Center is approximately 1.2 miles walking southwest of the school.

2.5 Congestion Locations

During the morning drop-off period, queues were observed in both the eastbound and westbound travel directions on Simonds Street near the staff and faculty parking lot gate at the end of the service road (Index Street). Approximately 200 feet of queue was observed on eastbound Simonds Street from the gate to Gothic Avenue and approximately 300 feet of queue was observed on westbound Simonds Street in front of the gate. These queues were primarily due to vehicles exiting curb parking from both sides of the street and vehicles making U-turns using the parking lot driveway. Approximately 175 feet of queue was observed for the southbound left turn movement on Gothic Avenue north of Index Street due to pedestrians crossing Gothic Avenue. A queue of approximately 400 feet was also observed on northbound Gothic Avenue south of Index Street due to vehicles double-parking, students being dropped-off, and students crossing Gothic Avenue outside of designated crosswalks. Lastly, approximately 175 feet of queues were observed for all travel directions at the intersection of Gothic Avenue and Donmetz Street due to students being dropped-off, vehicles double-parking, and queued vehicles blocking the parking lot gate for both students and staff near Jane Addams High School on Donmetz Street.

During the afternoon pick-up period, longer queues were observed than those described above for the morning drop-off period on Simonds Street, Gothic Avenue, and Donmetz Street. Approximately 200 feet of queue was observed for both travel directions on Simonds Street

near the staff and faculty parking lot driveway west of Gothic Avenue due to vehicles exiting the driveway. A queue of approximately 400 feet was also observed on eastbound Simonds Street west of the staff and faculty parking lot gate at the end of the service road (Index Street) due to students crossing mid-block (outside of designated crosswalks) and vehicles exiting curb parking. Approximately 300 feet of queue was observed for the eastbound approach at the intersection of Woodley Avenue and Simonds Street. On Gothic Avenue, 550 feet of queue was observed for both travel directions between the main public entry to the campus and Donmetz Street. This queue was observed to be caused by vehicles parked on both sides of the street, decreasing the travel lane widths, especially at the curve, and thus making it difficult for other vehicles to drive through. Lastly, a queue of approximately 250 feet was observed on westbound Donmetz Street due to students crossing Donmetz Street at Gothic Avenue.

Appendix D contains traffic counts that were obtained from the City of Los Angeles Department of Transportation (LADOT) *NavigateLA* database.

3.0 SCHOOL OPERATIONS

3.1 Parking

At Kennedy HS, there are a total of six parking lots: one main staff and faculty parking lot, one main student parking lot, two staff and faculty parking lots shared with Jane Addams High School, one staff and faculty lot, and one student parking lot. The main staff and faculty parking lot is located at the northwest corner of the campus near the intersection of Gothic Avenue and Simonds Street. This lot is accessible through a gated entrance on Simonds Street located 250 feet east of Gothic Avenue. The gated entrance on Gothic Avenue for this parking lot is not open anytime of the day. This parking lot contains 116 marked spaces including 4 accessible parking spaces and 1 van-accessible parking space. During the field visit, this parking lot was observed to have a utilization rate of 50%. The main student parking lot is located at the northeast corner of the campus and is accessible through a gated service road at the intersection of Woodley Avenue and Index Street. This lot contains 39 marked spaces including 2 accessible parking spaces and was observed to have an approximate utilization rate between 75% and 95% during the field visit. Additionally, 8 vehicles were observed to park at unmarked spaces within the parking lot next to the baseball field fence.

The staff and faculty parking lot along the service road can be access through a gated entrance on Simonds Street immediately west of the baseball field. This lot contains 3 marked spaces including 3 accessible parking spaces and 1 van-accessible space. During the field visit, the lot

was observed to have an approximate utilization rate of over 95%. The two shared staff and faculty parking lots are located at the south side of the campus, north and east of the Jane Addams High School. The parking lot on the north side of Jane Addams High School contains 11 marked spaces and the parking lot on the eastside contains 12 marked spaces including 2 accessible parking spaces and 1 van-accessible space. During the field visit, these lots were observed to have an approximate utilization rate of over 95% with 8 additional vehicles parked in unmarked areas. The staff and faculty parking lot immediately west off the football/soccer field contains 15 marked spaces with an approximate utilization rate of 25% to 50%. The student parking lot on the south side of the school adjacent to the tennis courts is unmarked, or the markings have faded but could accommodate an estimated 45 vehicles. These lots can be accessed through a gated entrance on Donmetz Street, 150 feet east of Gothic Avenue.

Lastly, students, faculty, and staff were observed to park along the north side of Simonds Street. During the field visit, a staff member at the driveway for the staff and faculty parking lot immediately next to the baseball field mentioned that students and staff park on Simonds mainly because some go out during lunch and they cannot do so if they were parked on-site as gates are closed during school hours. The curb parking for Simonds Street on the north side was observed to have an approximately 75% to 95% utilization rate, and the south side an approximately 25% utilization rate. Permitted curb parking on Gothic Avenue was observed to have an approximately 25% to 50% utilization rate.

Assistant Principal Henry Song noted that there is a need for additional accessible parking spaces, and that all visitors are required to use curb parking.

3.2 Circulation

Though a passenger loading/unloading zone of approximately 400 feet exists along the curb on the east side of Gothic Avenue, east of Index Street, parents still use the west side curb where parking is prohibited from 7:00 am to 5:00 pm on school days for student drop-off/pick-up. This decreases the width of the travel lanes on Gothic Avenue when curb parking is occupied on both sides of the street. Additionally, parents double-park or make U-turns on Gothic Avenue, making it more difficult for other vehicles to travel through. At the 15-minute parking zone on the north side of Index Street, east of Gothic Avenue, parents were observed to park for longer than 15 minutes. Most vehicles on northbound Gothic Avenue travel from south of Donmetz Street and from Simonds Street in the southbound direction.

Parents also use the north and south side of Simonds Street to drop-off/pick-up students. This creates queues on Simonds Street in both travel directions as parents park or leave curb parking. Parents were also observed to double-park or make U-turns using parking lot driveways, blocking through traffic. Vehicles on westbound Simonds Street mainly come from Woodley Avenue and from Gothic Avenue in the eastbound direction.

There is a loading/unloading zone for school buses on Simonds Street for approximately 950 feet west of Woodley Avenue. School buses using the loading/unloading zone were observed to arrive from northbound and southbound Gothic Avenue; departing school buses travel northbound or southbound on Woodley Avenue. Parents were also observed to park in the school bus zone and were asked to leave by school staff when seen.

As for pedestrian circulation, high pedestrian volumes exit through parking lot gates and walk across parking lot driveways, creating conflicts within the parking lot and in the driveways. Pedestrians were observed crossing Simonds Street mid-block before the morning bell period and after the afternoon bell period. This creates multiple vehicle and pedestrian conflicts. Pedestrians were also observed on Gothic Avenue crossing mid-block causing delay and creating conflicts. High pedestrian volumes were observed at the intersections of Gothic Avenue and Index Street and Gothic Avenue and Donmetz Street. Few students were observed walking to and from the bus stops near the intersection of Woodley Avenue and Index Street.

Assistant Principal Henry Song noted that school bus service was only provided for the magnet school located on the Kennedy HS campus. During the field visit, special education buses (2 buses observed) were using the Simonds Street south curb for loading and unloading. Students on these buses use the east pedestrian gate.

3.3 Crash History

Between 2013 and 2016, a total of seven crashes occurred within the school zone. Two of these crashes occurred near the intersection of Woodley Avenue and Simonds Street. Two collisions occurred near the intersection of Gothic Avenue and Simonds Street. Two collisions occurred near the intersection of Woodley Avenue and Index Street. One collision occurred near the intersection of Gothic Avenue and Index Street. No bicycle or pedestrian collisions were recorded and none of the mentioned collisions resulted in severe injury. Most of the collisions were recorded as hit-object.

Based on the available data, no discernible collision patterns were noted.

4.0 DEFICIENCIES AND OPPORTUNITIES

4.1 Walk Audit Observations

Internally, the campus appears to sufficiently provide walking opportunities, as there are multiple campus buildings spread over a large area. No desire lines (i.e., paths worn in landscaping), were noted. The campus appears to provide adequate ADA paths of travel. However, between the main building and the annex to the north, it was noted during the field visit that there is only an approximately 3-foot-wide opening which connects the two buildings, which is too narrow to allow two-way pedestrian access.

The external walk audit within the school perimeter revealed the following deficiencies.

- Index Street
  - Uneven pavement due to overgrown trees on the north side, west of Gothic Avenue; may pose mobility issues for students
- Woodley Avenue
  - Uneven pavement due to overgrown trees on the east side, south of Index Street; may pose mobility issues for students
- Gothic Avenue
  - 15-minute parking sign on the northeast corner, southwest of main entrance gate, is broken; may be difficult to read parking sign
  - No parking sign on the west side of the street is blocked by existing tree; may be difficult to read parking sign
- Simonds Street
  - No designated crosswalk mid-block; students, faculty, and staff cross mid-block causing delay and block through traffic
- Gothic Avenue and Simonds Street
  - Curb ramps for the intersection are absent, except for the southeast corner; may pose mobility issues for students
  - No marked crosswalks on the north and south sides of the intersection; may increase potential for pedestrian and vehicle conflict as pedestrians were observed crossing Gothic Avenue
  - Street light spacing on the east and south leg may result in reduced driver visibility of pedestrians during early-morning and late-evening, especially during winter months

- Gothic Avenue and Index Street
  - Tactile strips are absent on all curb ramps of the intersection; may pose mobility issues for students crossing intersection
  - Crossing pavement marking on the north leg is worn; may reduce visibility of crosswalk
  - Street light spacing on the east and south leg may result in reduced driver visibility of pedestrians during early-morning and late-evening, especially during winter months
- Gothic Avenue and Donmetz Street
  - Tactile strips are absent on all curb ramps of the intersection; may pose mobility issues for visually impaired pedestrians who travel through intersection
  - Curb ramp on the northwest corner is absent; may pose mobility issues for students
  - No street lighting available; may reduce driver visibility of pedestrians during early-morning and late-evening, especially during winter months
- Woodley Avenue and Simonds Street
  - Tactile strips are absent on all curbs of the intersection; may pose mobility issues for visually impaired pedestrians who travel through intersection
- Woodley Avenue and Index Street
  - Curb ramps on the west leg for the north and south crossing are missing; may pose mobility issues for students
  - Tactile strips are absent for all curb ramps; may pose mobility issues for visually impaired pedestrians who travel through the intersection
- Student Parking Lot (northeast corner of campus)
  - Multiple cars are parked in unmarked area next to baseball fence
  - Misuse of parking space as accumulated landscape waste was observed here

Additional detail from the walk audit is provided in ***Appendix B***. Selected photos for major deficiencies prompted by the walk audit are provided in ***Appendix C***.

4.2 Observed Circulation Deficiencies

- Pick-up/ Drop-offs
  - Multiple cars were observed to double-park or U-turn on Simonds Street and Gothic Avenue, illegally blocking through traffic

    - Some cars were observed to use parking lot driveways to make U-turns, blocking parking lot flow and creating conflicts with pedestrians
    - Numerous students were observed to cross Simonds Street and Gothic Avenue blocking through traffic
    - Vehicles park at School Bus Only zones and block approaching school bus
- Circulation
    - Queues on Donmetz Street block access to/from the parking lots on the south side of the campus
    - Curb parking on both sides of Gothic Avenue and the use of Gothic Avenue as a pick-up/drop-off location decreases the width of Gothic Avenue blocking through traffic and making it difficult to maneuver
    - Vehicle and pedestrian conflicts in parking lots as both vehicles and students use driveways to enter and exit school grounds
    - Curb parking on the north side of Simonds Street increases the potential for vehicle and pedestrian conflicts when students, faculty, and staff cross the street before the morning bell or after the afternoon bell

4.3 Positive Attributes

- Several local streets abutting campus provide opportunity to spread pick-up/drop-off operations

4.4 Opportunities

The following opportunities are not required improvements and are not required to limit or mitigate potential impacts. This list is provided solely as observations to LAUSD of the existing conditions that were observed during a site visit for planning purposes. The feasibility or practicality of these opportunities have not been evaluated and LAUSD does not have jurisdiction over any off-site improvements.

- While off-site improvements are not within LAUSD's jurisdiction, installation of tactile strips on all curb ramps within the school zone may improve mobility for visually impaired pedestrians
- While off-site improvements are not within LAUSD's jurisdiction, installation of curb ramps at these intersections may help improve mobility: Gothic Avenue/Simonds Street, Gothic Avenue/Donmetz, and Woodley Avenue/Index Street

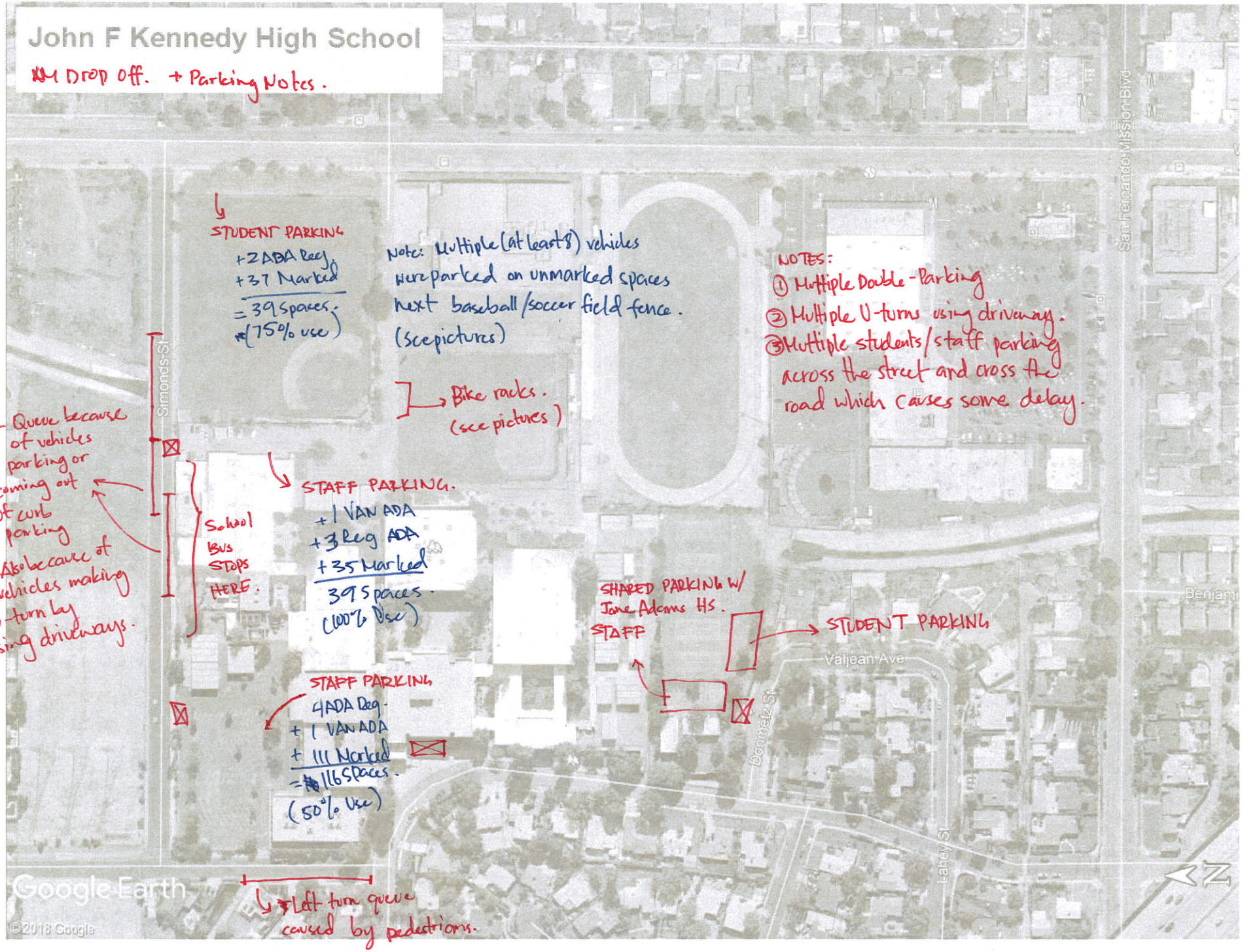
- Add parking restrictions on Gothic Avenue, in front of the main entry gate, to ensure that the width of the travel lane has a maneuverable width
- Removal of curb parking on Simonds Street to decrease conflict between vehicles and pedestrian; parking could be diverted to underutilized parking lots
- Use of Simonds Street as main pick-up/drop-off location to reduce the number of conflicts, U-turns, and double-parking on Gothic Avenue as Simonds Street is a much wider street than Gothic Avenue
- Explore possibility of shared parking with California Department of Motor Vehicles lot for after school events

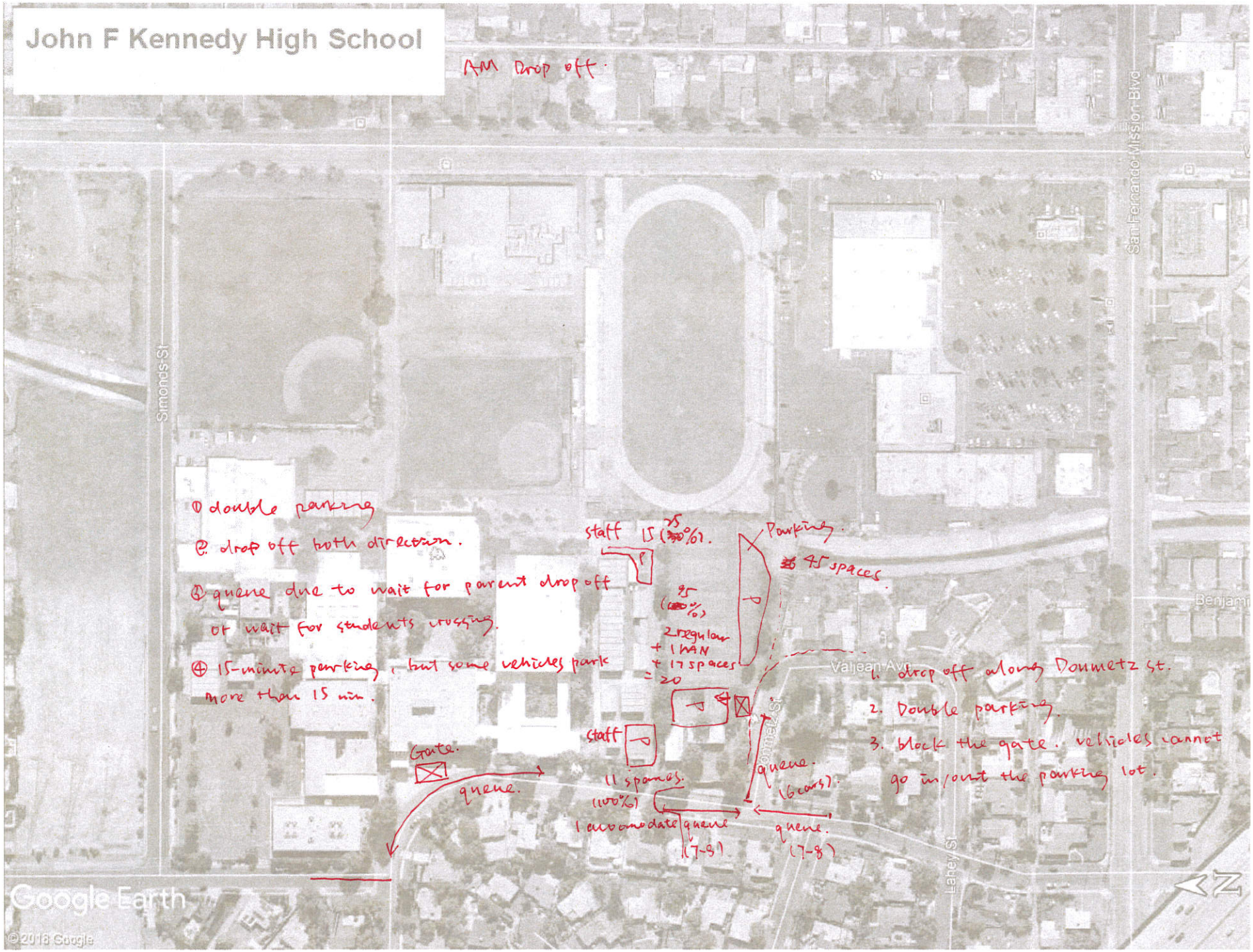
APPENDIX A

Field Review Sheets

John F Kennedy High School

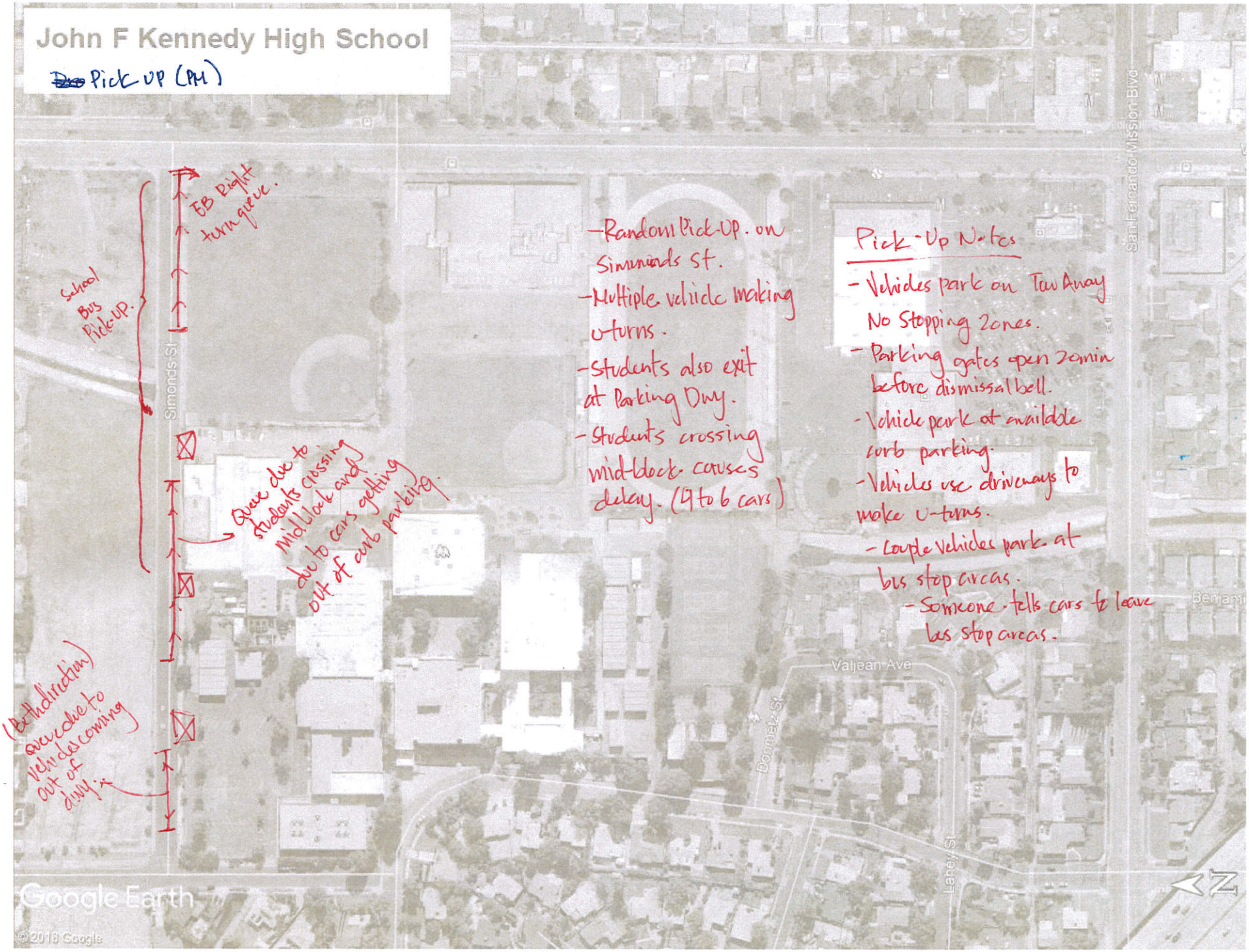
Drop Off. + Parking Notes.




John F Kennedy High School
AM Drop off.
San Fernando Mission Blvd
Simonds St
Valjean Ave
Donmetz St
Lahey St
Benjamin
Google Earth
© 2018 Google
① double parking
② drop off both direction.
③ queue due to wait for parent drop off or wait for students crossing.
④ 15-minute parking, but some vehicles park more than 15 min.
staff 15 (25%).
Parking.
45 spaces.
95 (100%)
2 regular + 1 HAN + 17 spaces = 20
staff
11 spaces. (100%)
1 accomodate
queue (7-8)
queue. (6 cars).
queue. (7-8)
Gate.
queue.
1. drop off along Donmetz St.
2. Double parking.
3. block the gate. vehicles cannot go in/out the parking lot.

John F Kennedy High School

~~Bus~~ Pick UP (PM)



- Random Pick-UP on Simonds St.
- Multiple vehicle making u-turns.
- Students also exit at Parking Dwy.
- Students crossing mid-block causes delay. (4 to 6 cars)

Pick-Up Notes

- Vehicles park on Tow Away No Stopping Zones.
- Parking gates open 20min before dismissal bell.
- Vehicle park at available curb parking.
- Vehicles use driveways to make u-turns.
- Couple vehicles park at bus stop areas.
  - Someone tells cars to leave bus stop areas.

John F Kennedy High School

PM Pick UP

Gate 1.

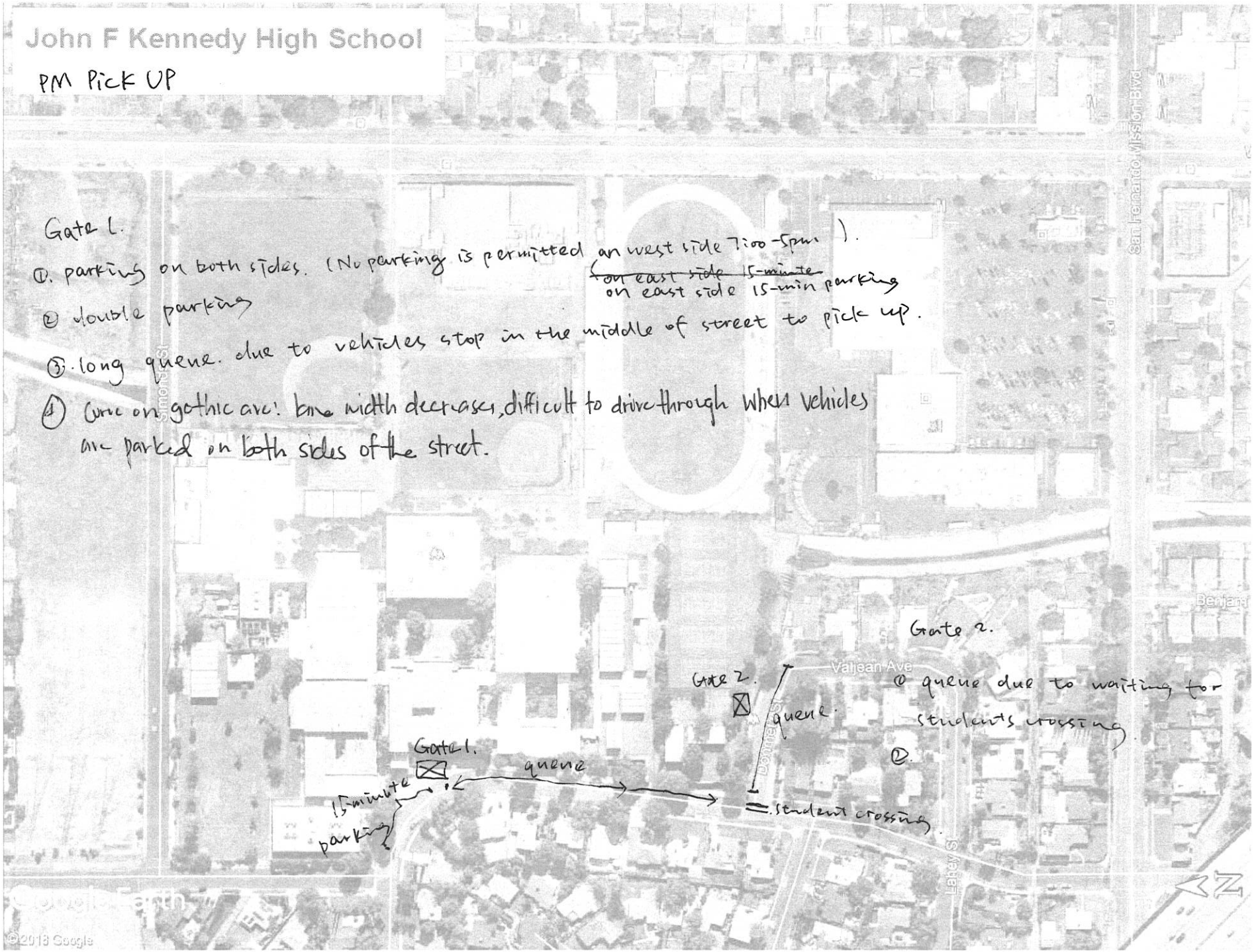
① parking on both sides. (No parking is permitted on west side 7:00-5pm).

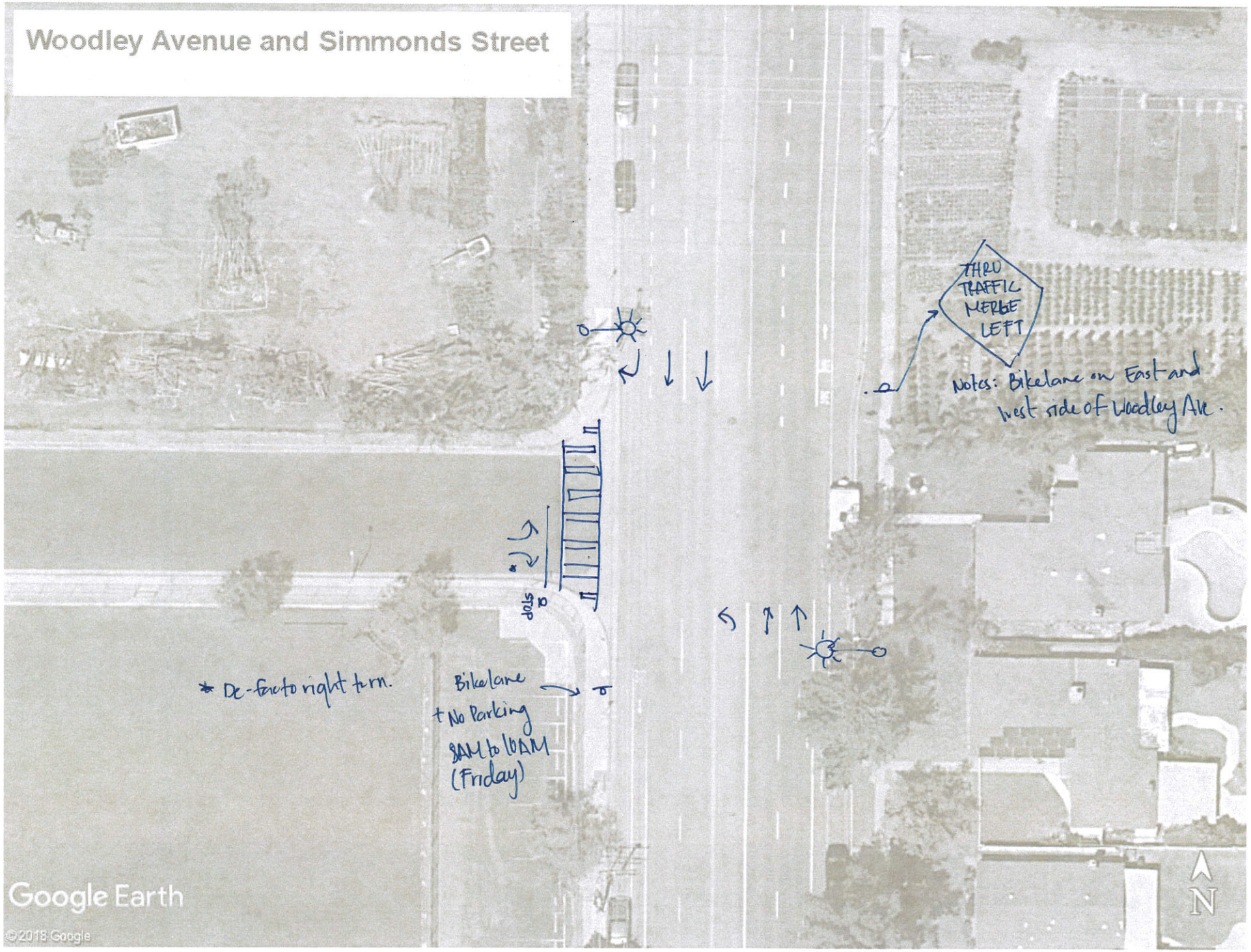
~~(on east side 15-minute~~ on east side 15-min parking

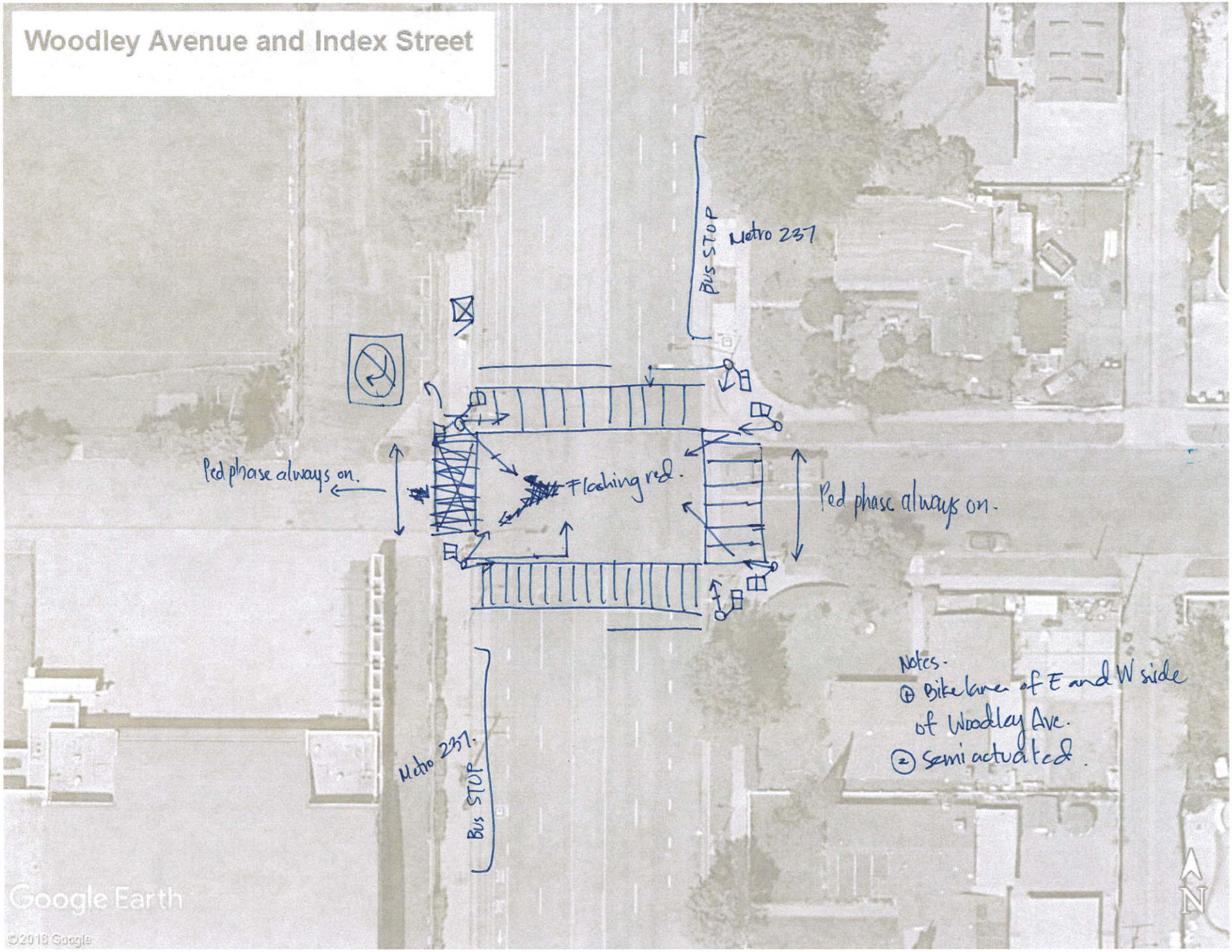
② double parking

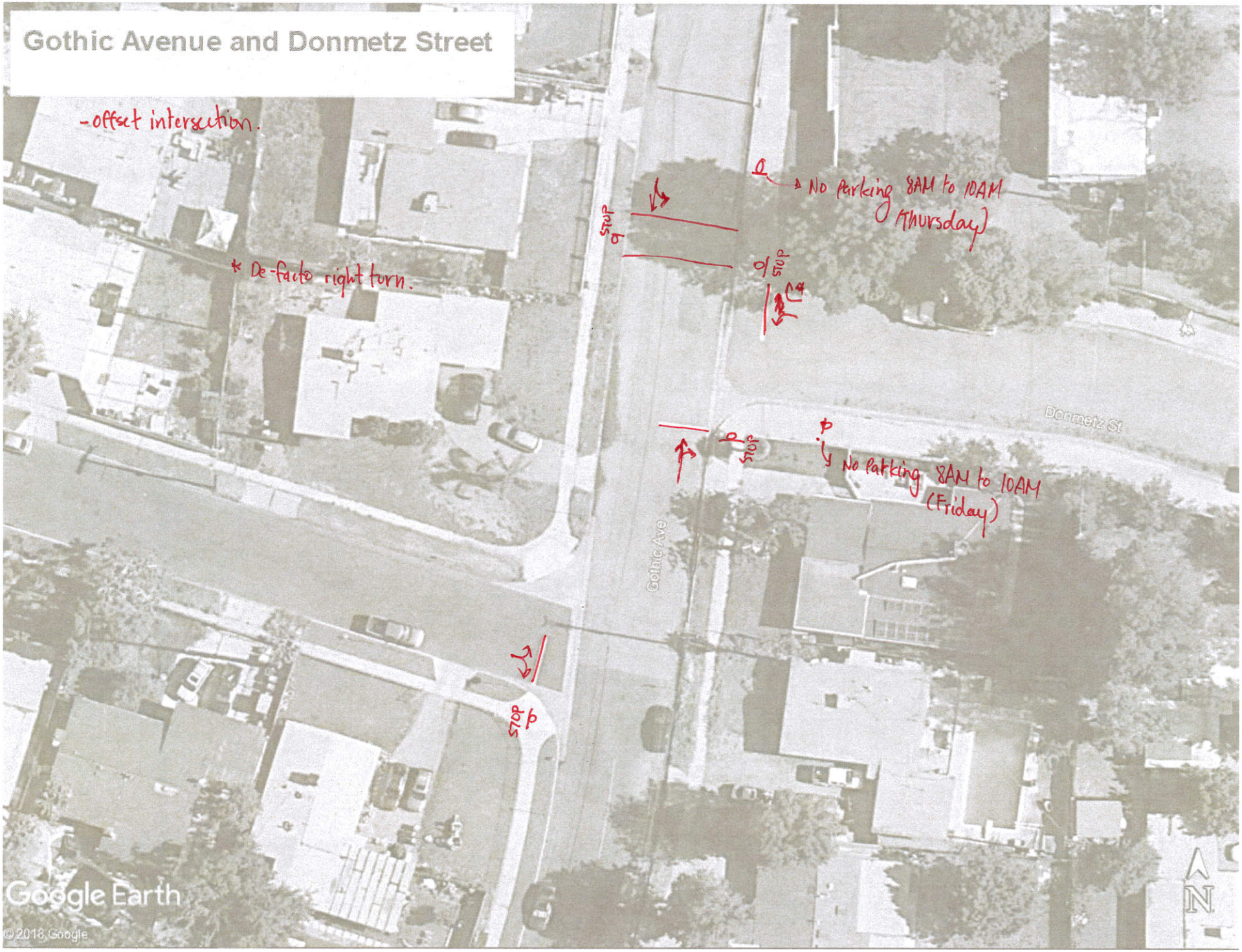
③ long queue due to vehicles stop in the middle of street to pick up.

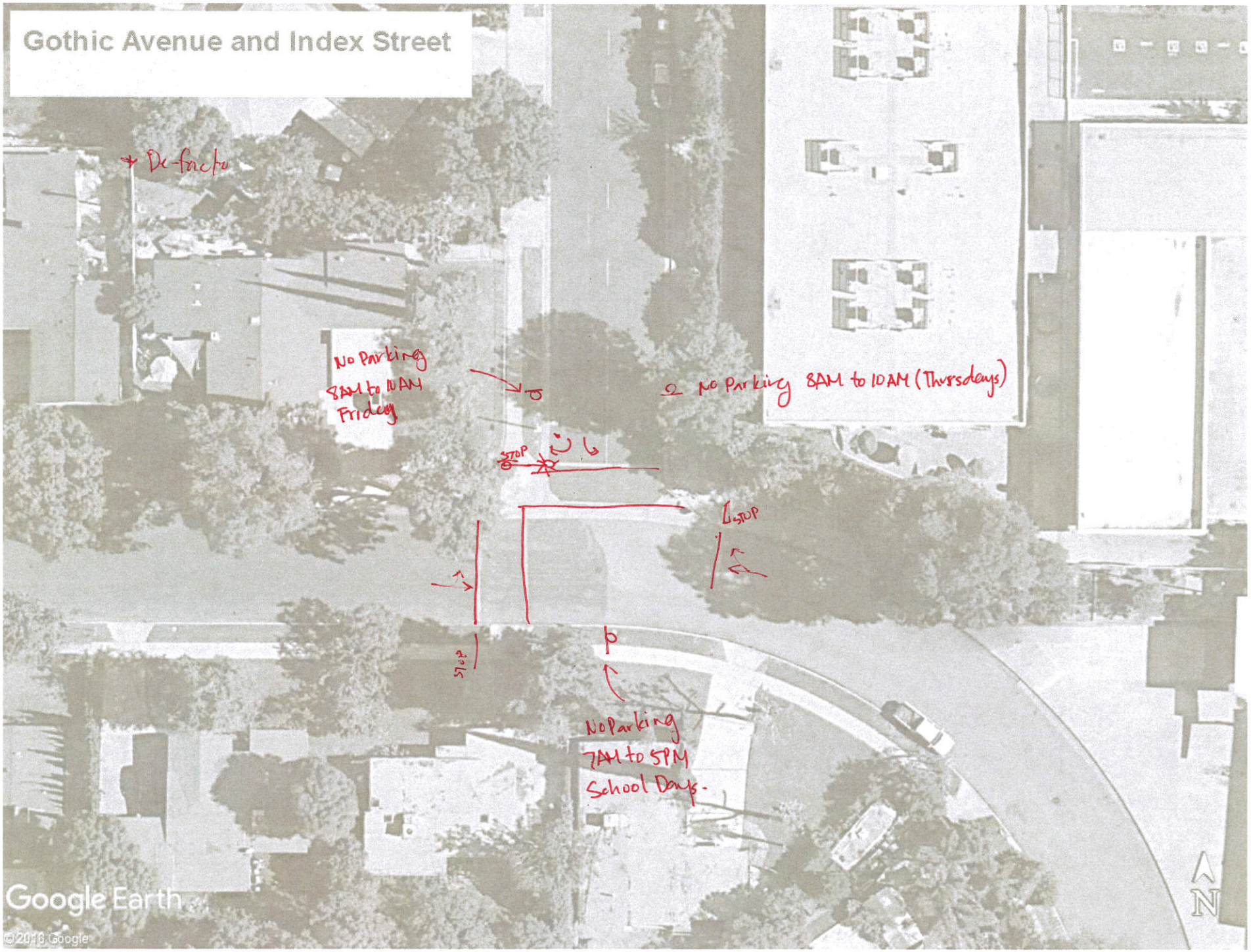
④ Curve on gothic ave: lane width decreases, difficult to drive through when vehicles are parked on both sides of the street.



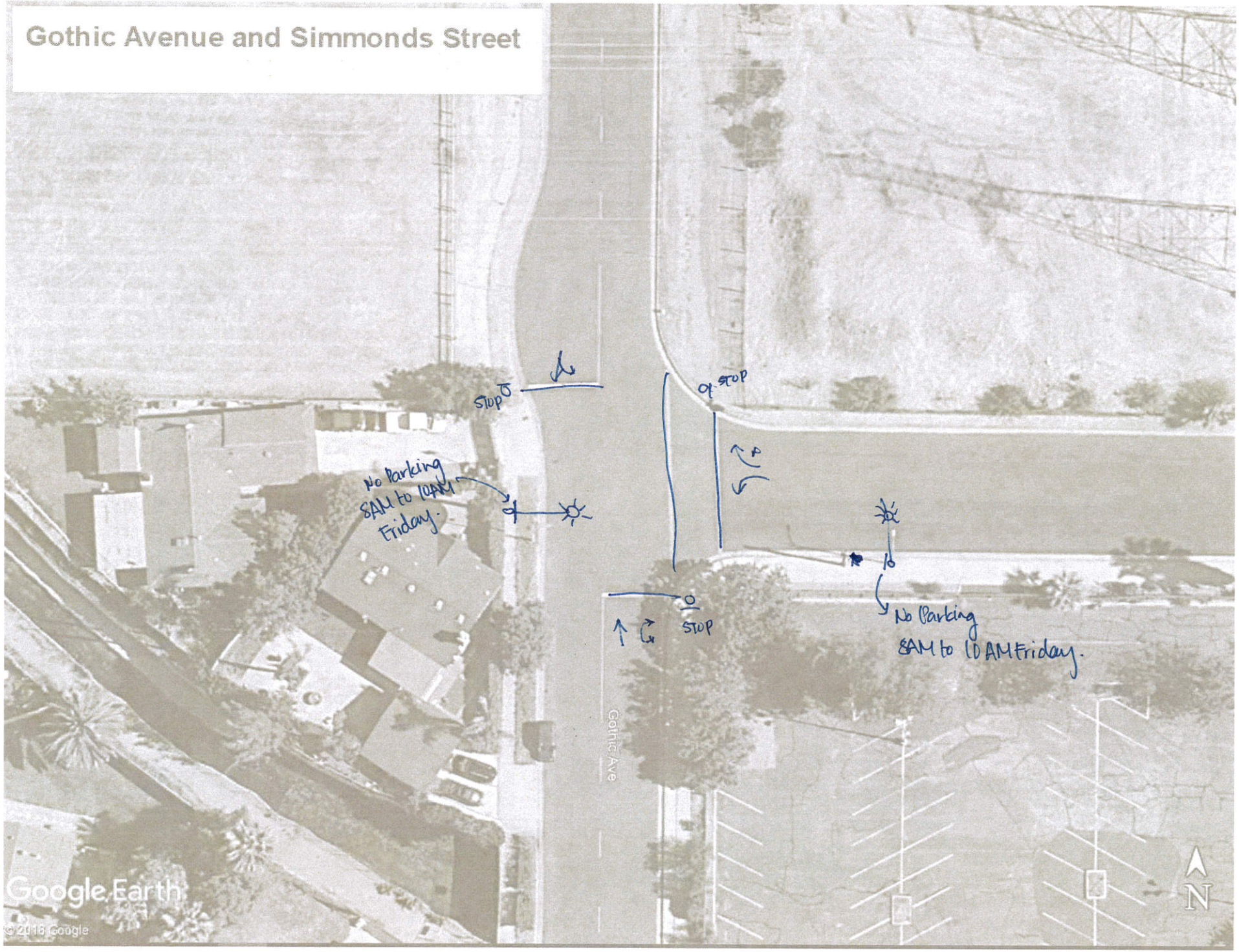

Woodley Avenue and Simmonds Street
THRU TRAFFIC MERGE LEFT
Notes: Bikelane on East and West side of Woodley Ave.
stop
* De-facto right turn.
Bikelane + No Parking 8AM to 10AM (Friday)
Google Earth
©2018 Google
N


Woodley Avenue and Index Street
Bus STOP
Metro 237
Ped phase always on.
Flashing red.
Ped phase always on.
Metro 237.
Bus STOP
Notes.
① Bike lanes of E and W side of Woodley Ave.
② Semi actuated.
Google Earth
©2018 Google
N


Gothic Avenue and Donmetz Street
-offset intersection.
* De-facto right turn.
No Parking 8AM to 10AM (Thursday)
No Parking 8AM to 10AM (Friday)
STOP
STOP
STOP
STOP
Donmetz St
Gothic Ave
Google Earth
©2018 Google
N

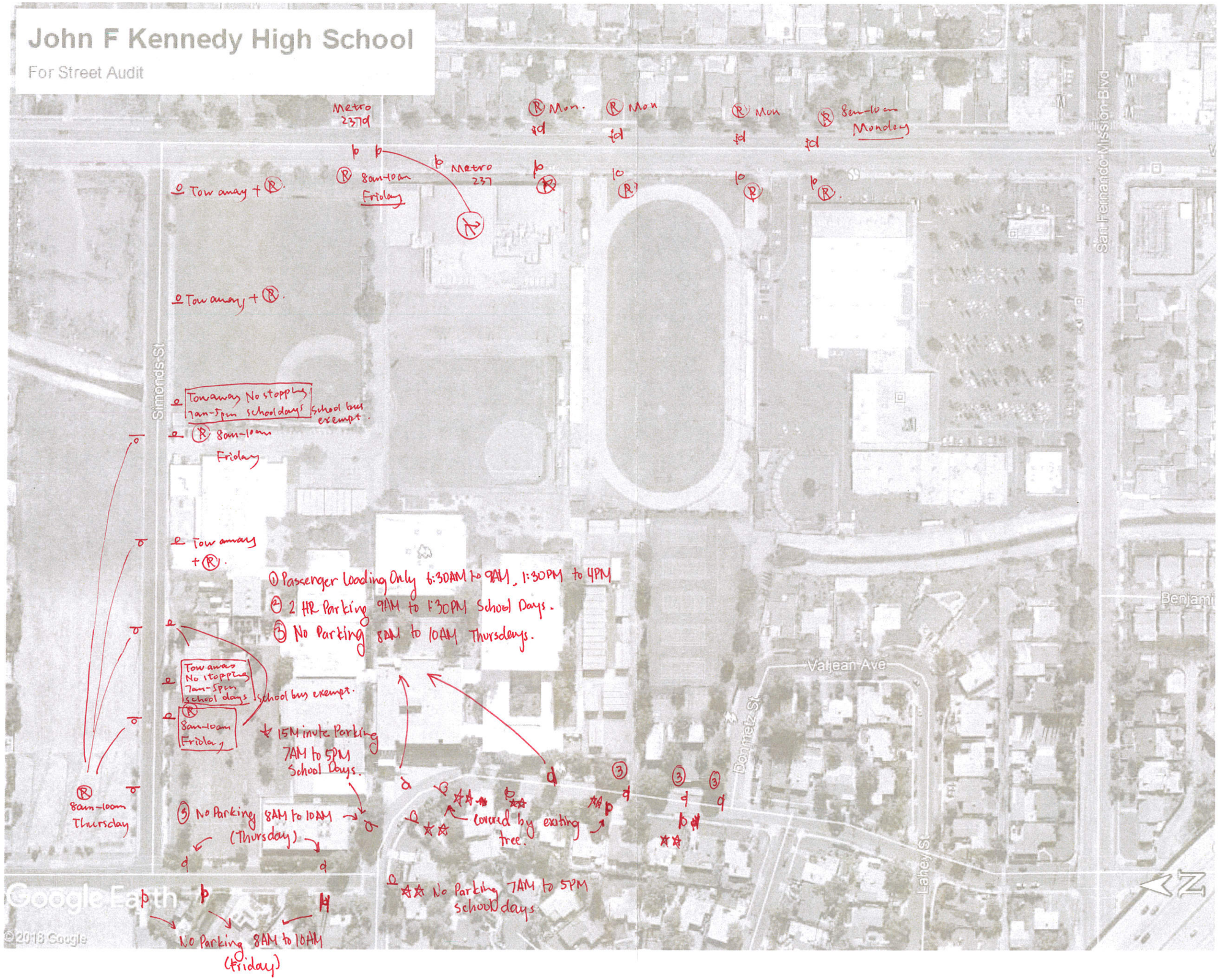

Gothic Avenue and Index Street
* De-facto
No Parking
8AM to 10AM
Friday
No Parking 8AM to 10AM (Thursdays)
STOP
STOP
STOP
No Parking
7AM to 5PM
School Days.
Google Earth
©2018 Google
N

Gothic Avenue and Simmonds Street



John F Kennedy High School

For Street Audit



APPENDIX B

Walk Audit Sheets

EXISTING CONDITIONS FIELD ASSESSMENT

PROCEDURE:

Each school location will include a project limit of all streets, intersections and midblock crossings that immediately surround the school grounds. Streets and intersections will be identified prior to the site visit.

OBSERVER: Vivianne Tabuena ; Sihua Song DATE: 05/29/2018

LOCATION/WEATHER: John F Kennedy High School; Sunny TIME: 7:30

STREETS:

Gothic Ave, between Simonds st and Donmetz st. Woodley Ave, between Simonds st and Index st.

Simonds st, between Gothic Ave and Woodley Ave _____, between _____ and _____

INTERSECTIONS:

Gothic Ave and Index st. Simonds st and Woodley Ave

Donmetz st. and Gothic Ave Woodley Ave and Index st.

After the project limit has been determined and aerial has been printed, the following list of items will be recorded or identified as missing:

Simonds st and Gothic Ave

1. Existing Lane Configurations
   a. Intersections – within reasonable vicinity of school
   b. Street Segments – within reasonable vicinity of school

2. Existing Traffic Signs

3. Locations of Existing Traffic Signals and Street Lighting

4. Locations of Existing Transit Areas

5. Existing Pedestrian and Bicycle Facilities
   a. Bike Lanes
   b. Sidewalks
   c. Crosswalks
   d. Pedestrian Ramps

6. Parking configurations as shown on aerials for:
   a. Administration
   b. Teachers
   c. Students
   d. Visitors
   e. Deliveries
   f. Buses
   g. On-street

7. Pick-up and Drop-off Operation Issues During Peak Periods

8. General Internal and External Circulation Issues

A Road Safety Audit (see attached template) will be conducted as part of each location's assessment.

NEEDS:

- Safety Vest
- Clipboard, pad and pen/pencil
- Geo-referenced digital camera
- Measuring wheel
- Shoes with ankle protection

GOTHIC Ave & INDEX ST

INTERSECTIONS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N/A
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	N
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	N
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians?	N/A
	6.	Are supervised crossings adequately staffed by qualified crossing guards?	~~Y~~ N
	7.	Are marked crosswalks wide enough?	Y
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	N/A
	9.	Are crosswalks sited along pedestrian desire lines?	Y
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	Y - Note 1.
Quality, Conditions, and Obstructions		*Use questions for Streets for potential issues on obstructions*	
	1.	Is the crossing pavement adequate and well maintained?	Y
	2.	Is the crossing pavement flush with the roadway surface?	Y
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	Y
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y
Lighting	1.	Is the pedestrian crossing adequately lit?	N - Note 2.
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	Y
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N
Access Management	1.	Are driveways placed close to crossings?	N
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	N
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	Y
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	N
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	Y - Note 3
	2.	Are crossing points for pedestrians properly signed and/or marked?	Y
Signals	1.	Are pedestrian signal heads provided and adequate?	N/A
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	N/A
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	N/A
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	N/A
	5.	Are ADA accessible push buttons provided and properly located?	N/A

***For any Result with "N" or "Other", please add notes below:**

Note 1. No tactile stripe.

2. one light only at NW corner.

3 crosswalk on the north side worn.

Donmetz st & Gothic Ave.

INTERSECTIONS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N/A
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	N
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	N
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians?	N/A
	6.	Are supervised crossings adequately staffed by qualified crossing guards?	N
	7.	Are marked crosswalks wide enough?	Y
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	N/A.
	9.	Are crosswalks sited along pedestrian desire lines?	Y
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	N – Note 1
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions*		
	1.	Is the crossing pavement adequate and well maintained?	Y
	2.	Is the crossing pavement flush with the roadway surface?	Y
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	Y.
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y.
Lighting	1.	Is the pedestrian crossing adequately lit?	N – Note 2
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y.
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	Y.
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N.
Access Management	1.	Are driveways placed close to crossings?	Y
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	Y.
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	N.
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	N.
	2.	Are crossing points for pedestrians properly signed and/or marked?	Y.
Signals	1.	Are pedestrian signal heads provided and adequate?	N/A
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	N/A
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	N/A
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	N/A
	5.	Are ADA accessible push buttons provided and properly located?	N/A.

***For any Result with "N" or "Other", please add notes below:**

Note 1. No tactile stripe. No curb ramp on ~~west side~~ north corner. see pictures.

2. No lighting

Simonds St & Woodley Ave.

INTERSECTIONS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N.
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N/A.
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	N.
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	N.
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians?	N/A.
	6.	Are supervised crossings adequately staffed by qualified crossing guards?	N
	7.	Are marked crosswalks wide enough?	Y.
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	N/A.
	9.	Are crosswalks sited along pedestrian desire lines?	Y.
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	N – Note 1.
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions*		
	1.	Is the crossing pavement adequate and well maintained?	Y.
	2.	Is the crossing pavement flush with the roadway surface?	Y
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	Y.
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y.
Lighting	1.	Is the pedestrian crossing adequately lit?	Y.
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y.
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	Y.
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N.
Access Management	1.	Are driveways placed close to crossings?	N.
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	N.
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	Y.
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	N.
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	N.
	2.	Are crossing points for pedestrians properly signed and/or marked?	Y
Signals	1.	Are pedestrian signal heads provided and adequate?	N/A
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	N/A
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	N/A
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	N/A
	5.	Are ADA accessible push buttons provided and properly located?	N/A.

***For any Result with "N" or "Other", please add notes below:**

Note 1. No tactile strip

Woodley Ave & Indexlt

INTERSECTIONS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N.
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N/A
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	N.
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	N.
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians?	N/A.
	6.	Are supervised crossings adequately staffed by qualified crossing guards?	N
	7.	Are marked crosswalks wide enough?	Y.
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	N/A
	9.	Are crosswalks sited along pedestrian desire lines?	Y.
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	N – Note 1.
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions*		
	1.	Is the crossing pavement adequate and well maintained?	Y
	2.	Is the crossing pavement flush with the roadway surface?	Y.
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	N – Note 1.
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y.
Lighting	1.	Is the pedestrian crossing adequately lit?	Y.
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y.
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	Y.
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N.
Access Management	1.	Are driveways placed close to crossings?	N
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	N
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	Y
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	N.
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	N
	2.	Are crossing points for pedestrians properly signed and/or marked?	Y.
Signals	1.	Are pedestrian signal heads provided and adequate?	Y
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	Y.
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	N.
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	Y
	5.	Are ADA accessible push buttons provided and properly located?	Y.

***For any Result with "N" or "Other", please add notes below:**

Note 1. No curb ramp. on ~~south~~ west side. No tactile stripe on ~~north~~ east side. see pic

Simmonds St & Gothic Ave.

INTERSECTIONS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N/A
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	N/A
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	N
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians?	N/A
	6.	Are supervised crossings adequately staffed by qualified crossing guards?	N/A
	7.	Are marked crosswalks wide enough?	Y
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	N/A
	9.	Are crosswalks sited along pedestrian desire lines?	N - Note 1.
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	N - Note 1
Quality, Conditions, and Obstructions		*Use questions for Streets for potential issues on obstructions*	
	1.	Is the crossing pavement adequate and well maintained?	Y
	2.	Is the crossing pavement flush with the roadway surface?	Y
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	Y
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y
Lighting	1.	Is the pedestrian crossing adequately lit?	N - Note 2
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	N - Not affect
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N
Access Management	1.	Are driveways placed close to crossings?	N
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	N
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	Y
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	N
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	N
	2.	Are crossing points for pedestrians properly signed and/or marked?	Y
Signals	1.	Are pedestrian signal heads provided and adequate?	N/A
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	N/A
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	N/A
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	N/A
	5.	Are ADA accessible push buttons provided and properly located?	N/A

***For any Result with "N" or "Other", please add notes below:**

Note 1. No curb ramps at all corners except for SE corner. No crosswalk making for N and S legs.

Note 2. One light only on west side.

Gothic Ave

STREETS

Topic		Question	Result (Y, N, Other or N/A)
Presence, Design and Placement	1.	Are sidewalks provided along the street?	Y
	2.	If no sidewalk is present, is there a walkable shoulder (e.g. wide enough to accommodate cyclists/pedestrians) on the road or other pathway/trail nearby?	N/A
	3.	Are shoulders/sidewalks provided on both sides?	Y
	4.	Is the sidewalk width adequate for pedestrian volumes?	Y
	5.	Is there adequate separation distance between vehicular traffic and pedestrians?	Y
	6.	Are sidewalk/street boundaries discernable to people with visual impairments?	N
	7.	Are ramps provided as an alternative to stairs?	Y
Quality, Conditions, and Obstructions	1.	Will snow storage disrupt pedestrian access or visibility?	N/A
	2.	Is the path clear from both temporary and permanent obstructions?	Y
	3.	Is the walking surface too steep?	N - Note 1
	4.	Is the walking surface adequate and well-maintained?	N
Continuity and Connectivity	1.	Are sidewalks/walkable shoulders continuous and on both sides of the street?	Y
	2.	Are measures needed to direct pedestrians to safe crossing points and pedestrian access ways?	N
Lighting	1.	Is the sidewalk adequately lit?	N - Note 2
	2.	Does the street lighting improve pedestrian visibility at night?	Y.
Visibility	1.	Is the visibility of pedestrians walking along the sidewalk/shoulder adequate?	Y
Driveways	1.	Are the conditions at driveways intersecting sidewalks endangering pedestrians?	N
	2.	Does the number of driveways make the route undesirable for pedestrian travel?	N
Traffic Characteristics	1.	Are there any conflicts between bicycles and pedestrians on sidewalks?	N - No bike.
Signs and Pavement Markings	1.	Are pedestrian travel zones clearly delineated from other modes of traffic through the use of striping, colored and/or textured pavement, signing, and other methods?	Y.

***For any Result with "N" or "Other", please add notes below:**

Note 1. uneven street. see picture

2. lights only one side.

~~Dunnetz~~ so
Simonds

STREETS

Topic		Question	Result (Y, N, Other or N/A)
Presence, Design and Placement	1.	Are sidewalks provided along the street?	Y – only one side
	2.	If no sidewalk is present, is there a walkable shoulder (e.g. wide enough to accommodate cyclists/pedestrians) on the road or other pathway/trail nearby?	N/A.
	3.	Are shoulders/sidewalks provided on both sides?	~~Y~~N – only south side.
	4.	Is the sidewalk width adequate for pedestrian volumes?	Y.
	5.	Is there adequate separation distance between vehicular traffic and pedestrians?	Y
	6.	Are sidewalk/street boundaries discernable to people with visual impairments?	N
	7.	Are ramps provided as an alternative to stairs?	Y
Quality, Conditions, and Obstructions	1.	Will snow storage disrupt pedestrian access or visibility?	N/A
	2.	Is the path clear from both temporary and permanent obstructions?	Y
	3.	Is the walking surface too steep?	N
	4.	Is the walking surface adequate and well-maintained?	Y.
Continuity and Connectivity	1.	Are sidewalks/walkable shoulders continuous and on both sides of the street?	N – only south side
	2.	Are measures needed to direct pedestrians to safe crossing points and pedestrian access ways?	N
Lighting	1.	Is the sidewalk adequately lit?	Y – only one side, enough.
	2.	Does the street lighting improve pedestrian visibility at night?	Y
Visibility	1.	Is the visibility of pedestrians walking along the sidewalk/shoulder adequate?	Y.
Driveways	1.	Are the conditions at driveways intersecting sidewalks endangering pedestrians?	N
	2.	Does the number of driveways make the route undesirable for pedestrian travel?	N
Traffic Characteristics	1.	Are there any conflicts between bicycles and pedestrians on sidewalks?	N.
Signs and Pavement Markings	1.	Are pedestrian travel zones clearly delineated from other modes of traffic through the use of striping, colored and/or textured pavement, signing, and other methods?	Y.

***For any Result with "N" or "Other", please add notes below:**

Woodley Ave.

STREETS

Topic		Question	Result (Y, N, Other or N/A)
Presence, Design and Placement	1.	Are sidewalks provided along the street?	Y
	2.	If no sidewalk is present, is there a walkable shoulder (e.g. wide enough to accommodate cyclists/pedestrians) on the road or other pathway/trail nearby?	N/A
	3.	Are shoulders/sidewalks provided on both sides?	Y
	4.	Is the sidewalk width adequate for pedestrian volumes?	Y.
	5.	Is there adequate separation distance between vehicular traffic and pedestrians?	Y.
	6.	Are sidewalk/street boundaries discernable to people with visual impairments?	N.
	7.	Are ramps provided as an alternative to stairs?	Y.
Quality, Conditions, and Obstructions	1.	Will snow storage disrupt pedestrian access or visibility?	N/A.
	2.	Is the path clear from both temporary and permanent obstructions?	Y.
	3.	Is the walking surface too steep?	N.
	4.	Is the walking surface adequate and well-maintained?	~~Y~~N – Note 1
Continuity and Connectivity	1.	Are sidewalks/walkable shoulders continuous and on both sides of the street?	Y.
	2.	Are measures needed to direct pedestrians to safe crossing points and pedestrian access ways?	N.
Lighting	1.	Is the sidewalk adequately lit?	Y.
	2.	Does the street lighting improve pedestrian visibility at night?	Y.
Visibility	1.	Is the visibility of pedestrians walking along the sidewalk/shoulder adequate?	Y.
Driveways	1.	Are the conditions at driveways intersecting sidewalks endangering pedestrians?	N.
	2.	Does the number of driveways make the route undesirable for pedestrian travel?	N.
Traffic Characteristics	1.	Are there any conflicts between bicycles and pedestrians on sidewalks?	N. No bike.
Signs and Pavement Markings	1.	Are pedestrian travel zones clearly delineated from other modes of traffic through the use of striping, colored and/or textured pavement, signing, and other methods?	Y.

***For any Result with "N" or "Other", please add notes below:**

Note 1. uneven surfaces. see picture.

Metro near the intersection woodley Ave and Index st. Both sides.

TRANSIT AREAS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Are bus stops sited properly?	Y.
	2.	Are safe pedestrian crossings convenient for transit and school bus users?	Y.
	3.	Is sight distance to bus stops adequate?	Y.
	4.	Are shelters appropriately designed and placed for pedestrian safety and convenience?	N – Note1.
Quality, Conditions, and Obstructions	1.	Is the seating area at a safe and comfortable distance from vehicle and bicycle lanes?	N/A Note 2.
	2.	Do seats (or persons sitting on them) obstruct the sidewalk or reduce its usable width?	N/A /
	3.	Is a sufficient landing area provided to accommodate waiting passengers, boarding/alighting passengers, and through/bypassing pedestrian traffic at peak times?	Y.
	4.	Is the landing area paved and free of problems such as uneven surfaces, standing water, or steep slopes?	N – Note 3.
	5.	Is the sidewalk free of temporary/permanent obstructions that constrict its width or block access to the bus stop?	Y.
Continuity and Connectivity	1.	Is the nearest crossing opportunity free of potential hazards for pedestrians?	Y
	2.	Are transit stops part of a continuous network of pedestrian facilities?	Y.
	3.	Are transit stops maintained during periods of inclement weather?	Y.
Lighting	1.	Are access ways to transit facilities well-lit to accommodate early-morning, late-afternoon, and evening pedestrian traffic?	Y.
Visibility	1.	Are open sight lines maintained between approaching buses and passenger waiting and loading areas?	Y.
Traffic Characteristics	1.	Do pedestrians entering and leaving buses conflict with cars, bicycles, or other pedestrians?	N
Signs and Pavement Markings	1.	Are appropriate signs and pavement markings provided for school bus and transit stops?	Y.

***For any Result with "N" or "Other", please add notes below:**

Note 1. No shelter.

2. No seating area.

3. uneven spurface. see picture. west side.

① Staff Parking at NS (middle) of school campus.
② Student Parking NE corner

PARKING AREAS/ADJACENT DEVELOPMENTS

Topic		Question	Result (Y, N, Other or N/A)* ①	②
Presence, Design and Placement	1.	Do sidewalks/paths connect the street and adjacent land uses?	Y	Y
	2.	Are the sidewalks/paths designed appropriately?	Y	Y
	3.	Are buildings entrances located and designed to be obvious and easily accessible to pedestrians?	Y	Y
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions and protruding objects that apply to sidewalks and walkways at parking areas/adjacent developments*			
	Use questions for Streets for potential issues on surface conditions that apply to sidewalks and walkways at parking areas/adjacent developments			
	1.	Do parked vehicles obstruct pedestrian paths?	N	N
Continuity and Connectivity	1.	Are pedestrian facilities continuous? Do they provide adequate connections for pedestrian traffic?	Y	Y
	2.	Are transitions of pedestrian facilities between developments/projects adequate?	Y	Y
Lighting	*Use questions for Streets and Street Crossings for potential issues on lighting that apply to sidewalks and walkways at parking areas/adjacent developments*			
Visibility	1.	Are visibility and sight distance adequate?	Y	Y
Access Management	1.	Are travel paths for pedestrians and other vehicle modes clearly delineated at access openings?	Other - Note 1	N - NOT MARKED
	2.	Do drivers look for and yield to pedestrian when turning into and out of driveways?	Y	Y
Traffic Characteristics	1.	Does pedestrian or driver behavior increase the risk of a pedestrian collision?	N	N
	2.	Are buses, cars, bicycles, and pedestrians separated on the site and provided with their own designated areas for travel?	Y	Y
Signs and Pavement Markings	1.	Are travel paths and crossing points for pedestrians properly signed and/or marked?	Y - Note 1.	N - NOT MARKED?

***For any Result with "N" or "Other", please add notes below:**

① There is marked path for peds but it is worn.

A student parking near the intersection Donnetz St & Valjean Ave.

PARKING AREAS/ADJACENT DEVELOPMENTS

Topic		Question	Result (Y, N, Other or N/A)* A.	B.
Presence, Design and Placement	1.	Do sidewalks/paths connect the street and adjacent land uses?	Y	Y
	2.	Are the sidewalks/paths designed appropriately?	Y	Y
	3.	Are buildings entrances located and designed to be obvious and easily accessible to pedestrians?	Y	Y
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions and protruding objects that apply to sidewalks and walkways at parking areas/adjacent developments*			
	Use questions for Streets for potential issues on surface conditions that apply to sidewalks and walkways at parking areas/adjacent developments			
	1.	Do parked vehicles obstruct pedestrian paths?	N	N
Continuity and Connectivity	1.	Are pedestrian facilities continuous? Do they provide adequate connections for pedestrian traffic?	Y.	Y
	2.	Are transitions of pedestrian facilities between developments/projects adequate?	Y.	Y
Lighting	*Use questions for Streets and Street Crossings for potential issues on lighting that apply to sidewalks and walkways at parking areas/adjacent developments*			
Visibility	1.	Are visibility and sight distance adequate?	Y	Y
Access Management	1.	Are travel paths for pedestrians and other vehicle modes clearly delineated at access openings?	Y.	Y
	2.	Do drivers look for and yield to pedestrian when turning into and out of driveways?	Y	Y
Traffic Characteristics	1.	Does pedestrian or driver behavior increase the risk of a pedestrian collision?	N.	N
	2.	Are buses, cars, bicycles, and pedestrians separated on the site and provided with their own designated areas for travel?	Y.	Y
Signs and Pavement Markings	1.	Are travel paths and crossing points for pedestrians properly signed and/or marked?	Y.	Y
			80%.	95%

***For any Result with "N" or "Other", please add notes below:**

B. three staff parking near intersection Donnetz & Valjean Ave.

NW corner near the intersection Simonds St & Gothic Ave.

PARKING AREAS/ADJACENT DEVELOPMENTS

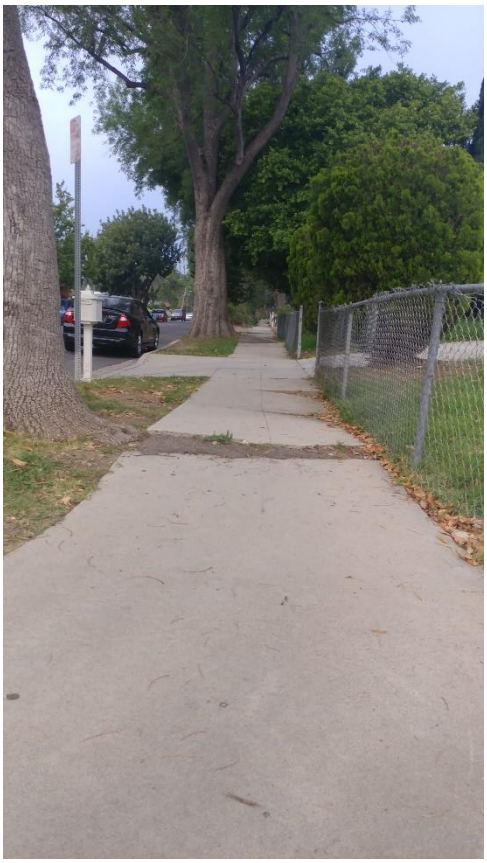
Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do sidewalks/paths connect the street and adjacent land uses?	Y
	2.	Are the sidewalks/paths designed appropriately?	Y
	3.	Are buildings entrances located and designed to be obvious and easily accessible to pedestrians?	Y
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions and protruding objects that apply to sidewalks and walkways at parking areas/adjacent developments*		
	Use questions for Streets for potential issues on surface conditions that apply to sidewalks and walkways at parking areas/adjacent developments		
	1.	Do parked vehicles obstruct pedestrian paths?	N
Continuity and Connectivity	1.	Are pedestrian facilities continuous? Do they provide adequate connections for pedestrian traffic?	Y
	2.	Are transitions of pedestrian facilities between developments/projects adequate?	Y
Lighting	*Use questions for Streets and Street Crossings for potential issues on lighting that apply to sidewalks and walkways at parking areas/adjacent developments*		
Visibility	1.	Are visibility and sight distance adequate?	Y
Access Management	1.	Are travel paths for pedestrians and other vehicle modes clearly delineated at access openings?	Y
	2.	Do drivers look for and yield to pedestrian when turning into and out of driveways?	Y
Traffic Characteristics	1.	Does pedestrian or driver behavior increase the risk of a pedestrian collision?	N
	2.	Are buses, cars, bicycles, and pedestrians separated on the site and provided with their own designated areas for travel?	Y
Signs and Pavement Markings	1.	Are travel paths and crossing points for pedestrians properly signed and/or marked?	Y

***For any Result with "N" or "Other", please add notes below:**

APPENDIX C

Selected Photos

Gothic Avenue and Index Street, looking west; tactile strips are absent at all curbs at the intersection, may present mobility challenges for students to travel through the intersection

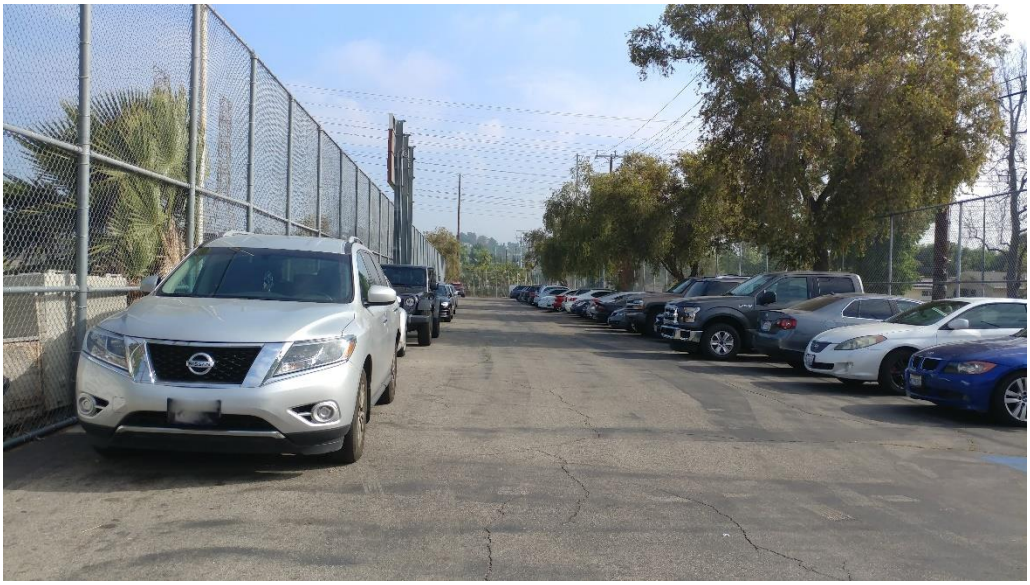


Index Street, looking west; uneven surfaces near the intersection of Gothic Avenue and Index Street, may present mobility challenges for students

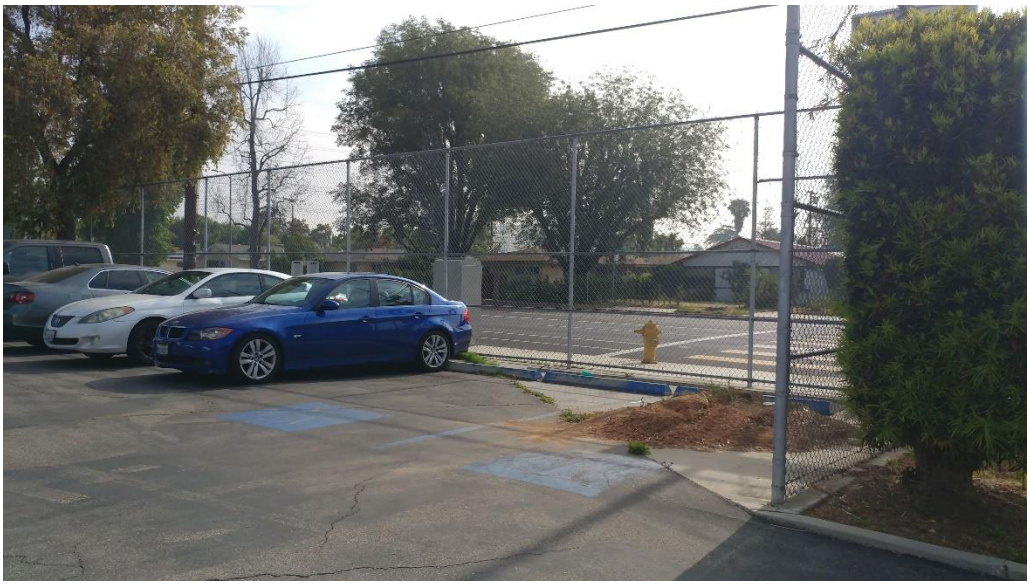
Gothic Avenue, looking north; uneven surfaces near the intersection of Gothic Avenue and Index Street, may present mobility challenges for students

Index Street, looking west; 15-minute parking sign on the north side of Index Street is bent, may be difficult to read

Gothic Avenue, looking south; No parking sign is block by existing tree, may be difficult to read

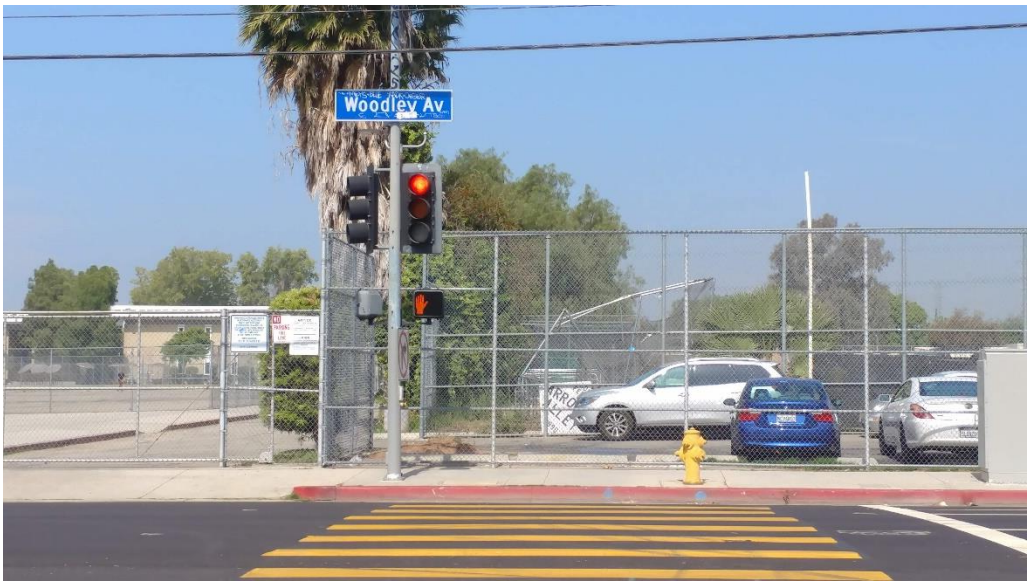


Student lot parking on the northeast corner, next to baseball field; vehicles parked at unmarked area next to the baseball field fence



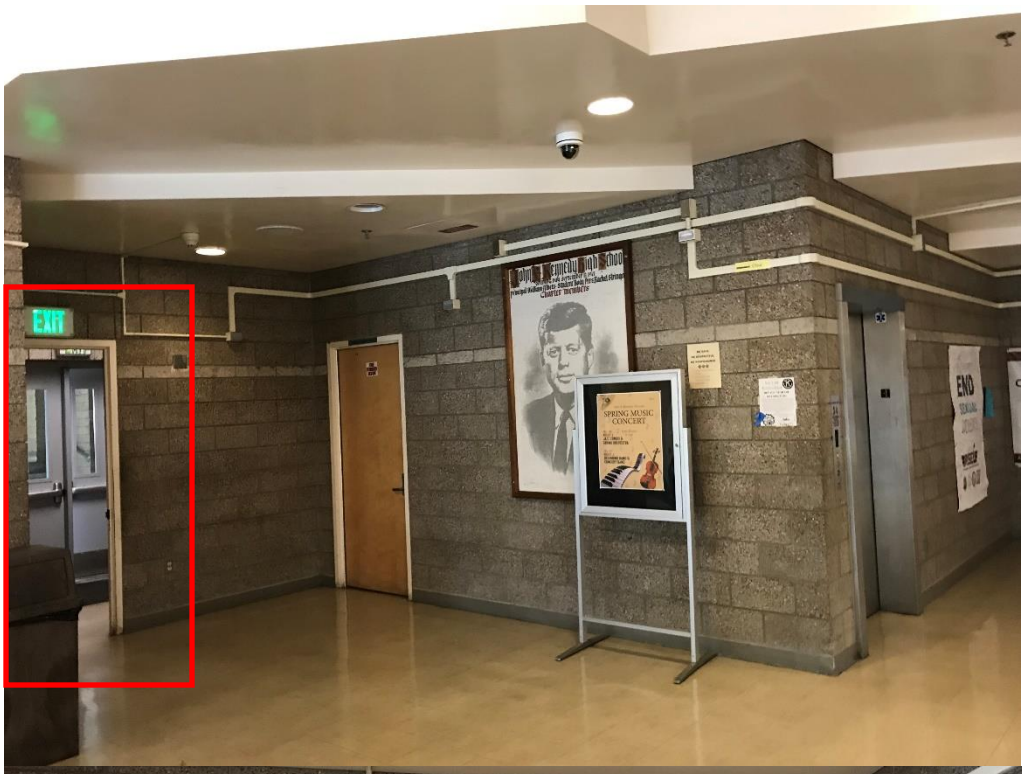
Student parking lot on the northeast corner, next to baseball field; misuse of parking space for landscape waste

Gothic Avenue and Simonds Street, looking north; no curb ramp at the northeast corner of the intersection, may present mobility challenges for students; and missing sidewalks on west side



Woodley Avenue and Index Street, looking west; no curb ramps at the west leg of the intersection

Woodley Avenue, looking north; uneven surfaces due to overgrown tress, may present mobility challenges for students



Doorway between main building and annex building to the north that is used by students circulating between classes (outlined above in red) does not allow for two-way travel due to width

APPENDIX D

Additional Information

24 Hours Traffic Volume

City of Los Angeles
Department of Transportation

Counter	KENT
Date	07/19/11
Start Time	12 AM

Location	**SIMONDS ST W/O WOODLEY AV**	**Day of Week**	TUESDAY	**Prepared**	07/29/11
Direction	E/W STREET	**DOT District**	WEST VALLEY	**By**	KL
Serial Number	RD96918 D	**Weather**	CLEAR		

	NORTHBOUND or WESTBOUND					SOUTHBOUND or EASTBOUND					
Time	1ST QTR	2ND QTR	3RD QTR	4TH QTR	HOUR TOTAL	1ST QTR	2ND QTR	3RD QTR	4TH QTR	HOUR TOTAL	**TOTAL**
12 AM	0	0	1	0	1	0	1	0	0	1	2
1 AM	0	0	0	0	0	0	0	0	0	0	0
2 AM	0	0	0	0	0	0	0	0	0	0	0
3 AM	0	0	0	0	0	0	0	0	0	0	0
4 AM	0	0	0	0	0	0	0	0	0	0	0
5 AM	0	0	2	3	5	0	0	1	1	2	7
6 AM	0	0	0	4	4	4	2	2	2	10	14
7 AM	1	2	6	12	21	3	6	10	13	32	53
8 AM	20	37	8	2	67	19	44	21	4	88	155
9 AM	4	4	1	1	10	4	1	1	5	11	21
10 AM	1	5	3	5	14	5	1	7	0	13	27
11 AM	6	8	13	28	55	5	10	24	24	63	118
12 NN	12	5	9	3	29	36	12	10	4	62	91
1 PM	6	4	4	2	16	3	4	4	4	15	31
2 PM	6	6	5	12	29	4	10	7	3	24	53
3 PM	1	7	3	1	12	31	15	13	6	65	77
4 PM	2	3	2	1	8	5	7	6	2	20	28
5 PM	0	0	0	0	0	4	7	3	3	17	17
6 PM	2	0	1	1	4	8	11	6	2	27	31
7 PM	0	0	4	1	5	1	3	8	4	16	21
8 PM	6	1	1	1	9	9	1	3	2	15	24
9 PM	3	3	2	0	8	1	1	0	1	3	11
10 PM	0	0	0	0	0	1	0	0	0	1	1
11 PM	0	0	0	0	0	0	0	0	0	0	0

FIRST 12-HOURS PEAK QUARTER COUNT	**37**	8 AM	2ND	**44**	8 AM	2ND
LAST 12-HOURS PEAK QUARTER COUNT	**12**	12 NN	1ST	**36**	12 NN	1ST
24 HOUR VEHICLES TOTAL		297			485	**782**
TOTAL VEHICLES STANDARD DEVIATION (STD)	[+,-]	17.02		[+,-]	24.25	39.71

PEAK HOURS VOLUME

	NORTH or WEST BOUND		SOUTH or EAST BOUND		BOTH DIRECTIONS	
	PEAK HOUR	VEHICLE VOLUME	PEAK HOUR	VEHICLE VOLUME	PEAK HOUR	VEHICLE VOLUME
First 12H Peak	8 AM	67	8 AM	88	8 AM	**155**
Last 12H Peak	12 NN	29	3 PM	65	12 NN	**91**
First 12H Peak STD		[+,-] 21.76		[+,-] 27.54		[+,-] 49.20
Last 12H Peak STD		[+,-] 9.71		[+,-] 20.26		[+,-] 27.08

SIMWOO110719

24 Hours Traffic Volume

City of Los Angeles
Department of Transportation

Counter	KENT
Date	06/29/10
Start Time	12 AM

Location	WOODLEY AV AT SAN FERNANDO MISSION BL	**Day of Week**	TUESDAY	**Prepared**	09/01/10
Direction	N/S STREET	**DOT District**	WEST VALLEY	**Counter Mode**	TimeStamp
Serial Number	RD11276 D	**Weather**	CLOUDY		

	NORTHBOUND or WESTBOUND					SOUTHBOUND or EASTBOUND					
Time	1ST QTR	2ND QTR	3RD QTR	4TH QTR	HOUR TOTAL	1ST QTR	2ND QTR	3RD QTR	4TH QTR	HOUR TOTAL	**TOTAL**
12 AM	7	16	11	10	44	6	5	5	5	21	65
1 AM	9	6	3	4	22	3	2	0	0	5	27
2 AM	6	7	5	9	27	2	0	0	1	3	30
3 AM	3	4	1	3	11	2	0	6	3	11	22
4 AM	0	0	7	3	10	0	2	1	4	7	17
5 AM	10	8	9	20	47	3	6	14	17	40	87
6 AM	15	20	26	39	100	19	30	35	44	128	228
7 AM	42	33	59	45	179	49	58	63	76	246	425
8 AM	45	45	52	65	207	58	45	52	57	212	419
9 AM	59	57	53	57	226	44	51	43	35	173	399
10 AM	57	52	68	71	248	35	35	39	60	169	417
11 AM	69	56	74	63	262	47	55	47	41	190	452
12 NN	68	66	73	88	295	44	53	58	41	196	491
1 PM	76	79	61	87	303	45	38	53	58	194	497
2 PM	78	89	73	113	353	53	50	52	46	201	554
3 PM	78	94	94	114	380	59	70	71	52	252	632
4 PM	104	131	119	141	495	54	59	50	64	227	722
5 PM	143	157	169	144	613	75	58	69	74	276	889
6 PM	162	139	111	102	514	66	44	56	48	214	728
7 PM	78	86	71	77	312	50	41	41	54	186	498
8 PM	77	67	63	55	262	42	42	28	29	141	403
9 PM	38	58	39	36	171	21	38	32	20	111	282
10 PM	24	21	27	24	96	24	10	8	6	48	144
11 PM	17	14	18	19	68	13	7	4	7	31	99

FIRST 12-HOURS PEAK QUARTER COUNT	**74**	11 AM	3RD	**76**	7 AM	4TH
LAST 12-HOURS PEAK QUARTER COUNT	**169**	5 PM	3RD	**75**	5 PM	1ST
24 HOUR VEHICLES TOTAL		5,245			3,282	**8,527**
TOTAL VEHICLES STANDARD DEVIATION (STD)	[+,-]	166.75		[+,-]	89.77	248.89

PEAK HOURS VOLUME

	NORTH or WEST BOUND		SOUTH or EAST BOUND		BOTH DIRECTIONS	
	PEAK HOUR	VEHICLE VOLUME	PEAK HOUR	VEHICLE VOLUME	PEAK HOUR	VEHICLE VOLUME
First 12H Peak	11 AM	262	7 AM	246	11 AM	**452**
Last 12H Peak	5 PM	613	5 PM	276	5 PM	**889**
First 12H Peak STD		[+,-] 96.74		[+,-] 90.22		[+,-] 182.94
Last 12H Peak STD		[+,-] 157.85		[+,-] 73.05		[+,-] 226.79

WOOSAN100629

TRAFFIC COUNT SUMMARY

City of Los Angeles
Department of Transportation
(Rev Apr 92)

STREET:
North/South WOODLEY AV

East/West INDEX AV

Day: TUE Date: SEPT 29, 1994 Weather: CLEAR

Hours: 7-10 AM 3-6 PM

School Day: YES District: WEST VALLEY

	N/B	S/B	E/B	W/B
DUAL-WHEELED	78	78	33	15
BIKES	18	9	4	0
BUSES	0	0	0	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	181	7.45	183	7.30	10	7.30	56	7.45
PM PK 15 MIN	149	5.45	101	3.00	19	3.00	18	5.45
AM PK HOUR	521	7.15	666	7.15	24	7.00	112	7.15
PM PK HOUR	557	5.00	330	3.00	37	4.45	58	5.00

NORTHBOUND Approach					SOUTHBOUND Approach					TOTAL	XING S/L		XING N/L	
Hours	Lt	Th	Rt	Total	Hours	Lt	Th	Rt	Total	N-S	Ped	Sch	Ped	Sch
7-8	24	365	63	452	7-8	22	548	3	573	1025	0	134	0	9
8-9	3	262	25	290	8-9	20	354	1	375	665	0	36	0	2
9-10	0	117	15	132	9-10	8	203	0	211	343	3	1	0	0
3-4	10	242	61	313	3-4	19	309	2	330	643	1	47	0	0
4-5	9	393	53	455	4-5	14	208	1	223	678	0	8	0	0
5-6	26	483	48	557	5-6	18	232	0	250	807	1	14	0	0
TOTAL	72	1862	265	2199	TOTAL	101	1854	7	1962	4161	5	240	0	11

EASTBOUND Approach					WESTBOUND Approach					TOTAL	XING W/L		XING E/L	
Hours	Lt	Th	Rt	Total	Hours	Lt	Th	Rt	Total	E-W	Ped	Sch	Ped	Sch
7-8	12	0	12	24	7-8	54	2	48	104	128	5	41	6	33
8-9	0	0	1	1	8-9	39	0	19	58	59	2	24	1	16
9-10	0	0	1	1	9-10	30	1	13	44	45	6	8	0	1
3-4	10	0	21	31	3-4	31	1	25	57	88	0	44	0	5
4-5	3	0	8	11	4-5	21	0	14	35	46	0	4	0	0
5-6	4	0	31	35	5-6	38	1	19	58	93	3	2	0	0
TOTAL	29	0	74	103	TOTAL	213	5	138	356	459	16	123	7	55

TRAFFIC COUNT SUMMARY

City of Los Angeles
Department of Transportation
(Rev Apr 92)

STREET:
North/South WOODLEY AV

East/West SAN FERNANDO MISSION BL

Day: WEDNESDAY Date: SEPT 5, 2001 Weather: CLEAR

Hours: 7-10 AM 3-6 PM

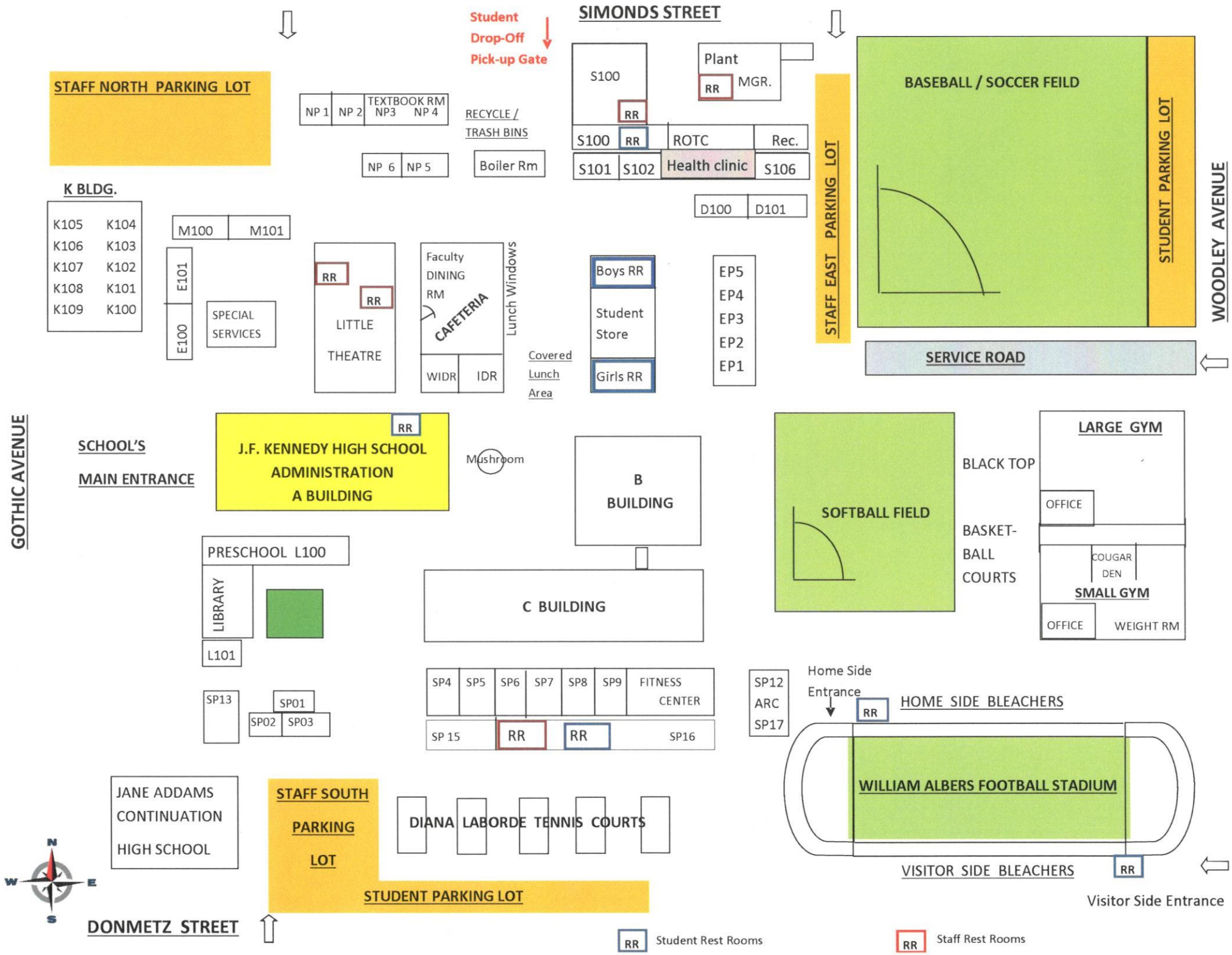
School Day: YES District: WEST VALLEY I/S CODE ##########

	N/B	S/B	E/B	W/B
DUAL-WHEELED	0	0	0	0
BIKES	0	0	0	0
BUSES	0	0	0	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	240	7.30	296	7.45	184	7.45	286	7.30
PM PK 15 MIN	173	3.00	262	3.00	200	3.00	149	5.30
AM PK HOUR	691	7.15	911	7.15	612	7.15	799	7.00
PM PK HOUR	627	4.30	575	3.00	592	3.00	498	3.00

NORTHBOUND Approach					SOUTHBOUND Approach					TOTAL	XING S/L		XING N/L	
Hours	Lt	Th	Rt	Total	Hours	Lt	Th	Rt	Total	N-S	Ped	Sch	Ped	Sch
7-8	131	421	101	653	7-8	134	600	87	821	1474	0	0	0	0
8-9	65	164	85	314	8-9	62	325	45	432	746	0	0	0	0
9-10	59	118	41	218	9-10	44	130	27	201	419	0	0	0	0
3-4	123	311	111	545	3-4	135	345	95	575	1120	0	0	0	0
4-5	115	363	104	582	4-5	85	190	62	337	919	0	0	0	0
5-6	116	388	125	629	5-6	89	189	49	327	956	0	0	0	0
TOTAL	609	1765	567	2941	TOTAL	549	1779	365	2693	5634	0	0	0	0

EASTBOUND Approach					WESTBOUND Approach					TOTAL	XING W/L		XING E/L	
Hours	Lt	Th	Rt	Total	Hours	Lt	Th	Rt	Total	E-W	Ped	Sch	Ped	Sch
7-8	40	410	111	561	7-8	118	481	200	799	1360	0	0	0	0
8-9	21	282	61	364	8-9	77	216	30	323	687	0	0	0	0
9-10	22	178	51	251	9-10	43	182	42	267	518	0	0	0	0
3-4	55	432	105	592	3-4	62	349	87	498	1090	0	0	0	0
4-5	61	334	94	489	4-5	60	298	73	431	920	0	0	0	0
5-6	66	390	75	531	5-6	81	370	72	523	1054	0	0	0	0
TOTAL	265	2026	497	2788	TOTAL	441	1896	504	2841	5629	0	0	0	0


SIMONDS STREET
Student Drop-Off Pick-up Gate
STAFF NORTH PARKING LOT
NP 1
NP 2
TEXTBOOK RM
NP3
NP 4
RECYCLE / TRASH BINS
NP 6
NP 5
Boiler Rm
S100
RR
Plant
MGR.
S100
RR
ROTC
Rec.
S101
S102
Health clinic
S106
D100
D101
BASEBALL / SOCCER FEILD
STAFF EAST PARKING LOT
STUDENT PARKING LOT
WOODLEY AVENUE
SERVICE ROAD
K BLDG.
K105
K104
K106
K103
K107
K102
K108
K101
K109
K100
M100
M101
E101
E100
SPECIAL SERVICES
RR
RR
LITTLE THEATRE
Faculty DINING RM
CAFETERIA
Lunch Windows
WIDR
IDR
Covered Lunch Area
Boys RR
Student Store
Girls RR
EP5
EP4
EP3
EP2
EP1
GOTHIC AVENUE
SCHOOL'S MAIN ENTRANCE
RR
J.F. KENNEDY HIGH SCHOOL ADMINISTRATION A BUILDING
Mushroom
B BUILDING
SOFTBALL FIELD
BLACK TOP
BASKET-BALL COURTS
LARGE GYM
OFFICE
COUGAR DEN
SMALL GYM
OFFICE
WEIGHT RM
PRESCHOOL L100
LIBRARY
L101
C BUILDING
SP13
SP01
SP02
SP03
SP4
SP5
SP6
SP7
SP8
SP9
FITNESS CENTER
SP 15
RR
RR
SP16
SP12
ARC
SP17
Home Side Entrance
RR
HOME SIDE BLEACHERS
WILLIAM ALBERS FOOTBALL STADIUM
VISITOR SIDE BLEACHERS
RR
Visitor Side Entrance
JANE ADDAMS CONTINUATION HIGH SCHOOL
STAFF SOUTH PARKING LOT
DIANA LABORDE TENNIS COURTS
STUDENT PARKING LOT
N
W
E
S
DONMETZ STREET
RR Student Rest Rooms
RR Staff Rest Rooms