

City of SACRAMENTO

COMMUNITY DEVELOPMENT
DEPARTMENT

ENVIRONMENTAL PLANNING
SERVICES

300 Richards Boulevard
Third Floor
Sacramento, CA 95811

MITIGATED NEGATIVE DECLARATION

The City of Sacramento, California, a municipal corporation, does hereby prepare, declare, and publish this Mitigated Negative Declaration for the following described project:

Maverik Store at Sheldon Road and Stockton Boulevard Project (P21-029) The proposed project consists of a request for a Conditional Use Permit (CUP) to establish a gas station with 10 fuel dispensers, a CUP to sell beer and wine (Type 20), a CUP to sell tobacco, and Site Plan and Design Review for the construction of a 5,637 square foot convenience store, fueling station canopy, and associated site improvements on a portion of a 3.66-acre parcel in the General Commercial (C-2-R) zone.

The Lead Agency is the City of Sacramento. The City of Sacramento, Community Development Department, has reviewed the proposed project and, on the basis of the whole record before it, has determined that there is no substantial evidence that the project, as identified in the attached Initial Study, will have a significant effect on the environment. This Mitigated Negative Declaration reflects the lead agency's independent judgment and analysis. An Environmental Impact Report is not required pursuant to the Environmental Quality Act of 1970 (Sections 21000, et seq., Public Resources Code of the State of California).

This Mitigated Negative Declaration has been prepared pursuant to the California Environmental Quality Act (Public Resources Code Sections 21000 et seq.), CEQA Guidelines (Title 14, Sections 15000 et seq. of the California Code of Regulations), the Sacramento Local Environmental Regulations (Resolution 91-892) adopted by the City of Sacramento, and the Sacramento City Code.

A copy of this document and all supportive is available on the City's EIR Webpage at:
<http://www.cityofsacramento.org/Community-Development/Planning/Environmental/Impact-Reports>

Environmental Services Manager, City of Sacramento,
California, a municipal corporation

By: Scott Johnson for Tom Buford

Date: December 11, 2023



Maverik Store at Sheldon Road and West Stockton Boulevard [(P21-029)]

INITIAL STUDY/ MITIGATED NEGATIVE DECLARATION FOR ANTICIPATED SUBSEQUENT PROJECTS UNDER THE 2035 GENERAL PLAN MASTER EIR

This Initial Study has been prepared by the City of Sacramento, Community Development Department, 300 Richards Boulevard, Third Floor, Sacramento, CA 95811, pursuant to the California Environmental Quality Act (Public Resources Code Sections 21000 *et seq.*), CEQA Guidelines (Title 14, Section 15000 *et seq.* of the California Code of Regulations) and the Sacramento Local Environmental Regulations (Resolution 91-892) adopted by the City of Sacramento.

ORGANIZATION OF THE INITIAL STUDY

This Initial Study is organized into the following sections:

SECTION I - BACKGROUND: Provides summary background information about the project name, location, sponsor, and the date this Initial Study was completed.

SECTION II - PROJECT DESCRIPTION: Includes a detailed description of the proposed project.

SECTION III - ENVIRONMENTAL CHECKLIST AND DISCUSSION: Reviews proposed project and states whether the project would have additional significant environmental effects (project-specific effects) that were not evaluated in the Master EIR for the 2035 General Plan.

SECTION IV - ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED: Identifies which environmental factors were determined to have additional significant environmental effects.

SECTION V - DETERMINATION: States whether environmental effects associated with development of the proposed project are significant, and what, if any, added environmental documentation may be required.

REFERENCES CITED: Identifies source materials that have been consulted in the preparation of the Initial Study.

APPENDICES: Supporting materials used to prepare the analysis are included as appendices A through F and are appended to this document.

SECTION I - BACKGROUND

Project Name and File Number: Maverik Store at Sheldon Road and West Stockton Boulevard (P21-029)

Project Location: Northwest corner of Sheldon Road and West Stockton Boulevard (APN 117-0220-019)

Project Applicant: Mike Micheels, Cartwright Nor Cal
Christie Hutchings, Maverik

Project Planner: Angelo Anguiano, Associate Planner

Environmental Planner: Ron Bess, Associate Planner

Date Initial Study Completed: December 14, 2023

This Initial Study (IS) was prepared in accordance with the California Environmental Quality Act (CEQA) (Public Resources Code Sections 1500 *et seq.*). The Lead Agency is the City of Sacramento (City).

The City of Sacramento, Community Development Department, has reviewed the Maverik Store at Sheldon Road and West Stockton Boulevard project (project or proposed project) and, on the basis of the whole record before it, has determined that the proposed project is an anticipated subsequent project identified and described in the 2035 General Plan Master EIR – State Clearinghouse #201212006 (Master EIR) and is consistent with the land use designation and the permissible densities and intensities of use for the project site as set forth in the 2035 General Plan. See CEQA Guidelines Section 15176 (b) and (d).

The City has prepared the attached IS to review the discussion of cumulative impacts, growth inducing impacts, and irreversible significant effects in the 2035 General Plan Master EIR to determine their adequacy for the project (see CEQA Guidelines Section 15178(b),(c)) and identify any potential new or additional project-specific significant environmental effects that were not analyzed in the Master EIR and any mitigation measures or alternatives that may avoid or mitigate the identified effects to a level of insignificance, if any.

As part of the Master EIR process, the City is required to incorporate all feasible mitigation measures or feasible alternatives appropriate to the project as set forth in the Master EIR (CEQA Guidelines Section 15177(d)) Policies included in the 2035 General Plan that reduce significant impacts identified in the Master EIR are identified and discussed. See also the Master EIR for the 2035 General Plan. The mitigation monitoring plan for the 2035 General Plan, which provides references to applicable General Plan policies that reduce the environmental effects of development that may occur consistent with the General Plan, is included in the adopting resolution for the Master EIR. The resolution is available at

<http://portal.cityofsacramento.org/Community-Development/Planning/Environmental/Impact-Reports.aspx>.

This analysis incorporates by reference the general discussion portions of the 2035 General Plan Master EIR. (CEQA Guidelines Section 15150(a)). The Master EIR is available for public review at the City of Sacramento's web site at:

<http://www.cityofsacramento.org/Community-Development/Planning/Environmental/Impact-Reports.aspx>

The City is soliciting views of interested persons and agencies on the content of the environmental information presented in this document. Written comments should be sent at the earliest possible date, but no later than the 30-day review period ending January 15, 2024.

Please send written responses (preferably via email) to:

Ron Bess
Community Development Department
City of Sacramento
300 Richards Blvd, 3rd Floor
Sacramento, California 95811
Direct Line: (916) 808-5842
Rbess@cityofsacramento.org

SECTION II - PROJECT DESCRIPTION

INTRODUCTION

The proposed Maverik Store project (project or proposed project), located at the intersection of Sheldon Road and West Stockton Boulevard is the development of a vacant site with a small convenience store, gas station, and other associated amenities. The 3.66-acre project site includes an existing drainage swale within a California Department of Transportation (Caltrans) right-of-way along the southern and eastern boundaries that would not be developed, reducing the amount of developable acreage to 2.02-acres.

PROJECT LOCATION AND SURROUNDING LAND USES

The project site is located at the northwest corner of Sheldon Road and West Stockton Boulevard (APN 117-0220-019) in the City of Sacramento (City), as shown in Attachment 1, Vicinity Map. The project site is in the southeast corner of the city and is adjacent to the City of Elk Grove to the south and east, across Sheldon Road and West Sexton Boulevard. The project site is approximately 500 feet west of California State Route 99 (SR 99).

The project site is currently unoccupied, undeveloped, and does not contain any structures. A few trees are located along the southern boundary. The topography of the site is generally flat, with an elevation of 31 feet above mean sea level. Along the southern and eastern perimeter of the project site there is an existing drainage swale, high-power electrical poles, and overhead powerlines. The drainage swale varies in depth and width along the perimeter of the site; the swale is generally four feet deep and 20 feet wide and is located between a separated sidewalk and electrical power poles. The sidewalk runs along project frontage on Sheldon Road and West Stockton Boulevard. Street frontage along most of Sheldon Road and all of West Stockton Boulevard is within the Caltrans right-of-way.

Adjacent land uses include a mix of residential, retail, and semi-public uses. Residences are located directly to the north, south, and west of the site; retail businesses are across Sheldon Road to the southwest of the site; and the San Joaquin Cemetery is located across West Stockton Boulevard to the east of the site.

Class II bike lanes are provided in both directions on Sheldon Road. Regional Transit light rail service is available at Cosumnes River College approximately 1.2 miles northwest of the project site, providing light rail connections to the City of Folsom and Downtown Sacramento. The nearest active bus stop is approximately 700 feet west of the project site along Sheldon Road and Lewis Stein Road serviced by the City of Elk Grove Transit.

The project site is designated Suburban Center in the City's 2035 General Plan and is zoned General Commercial (C-2), as shown on Attachment 2, Land Use and Zoning.

PROJECT DESCRIPTION

The proposed project includes a 5,637 square foot (sf) single-story convenience store with a small outdoor dining area, a covered 20-pump gas station, parking for up to 39 vehicles including two Americans with disabilities (ADA) spaces, space for two high speed Level III electric vehicle (EV) charging stations, and bike storage, see Attachment 3, Site Plan. The proposed project also includes two side-by-side underground fuel storage tank and landscaping. The convenience store and gas station would be open 24 hours a day, seven days a week (24/7) and would employ 15 to 18 people. Five to eight employees would be on shift at a given time. The convenience store would offer food to order. Project access would be via two driveways along Sheldon Road and West Stockton Boulevard. Both driveways would be limited to right in and right out only. The driveway access to and from West Stockton Boulevard requires crossing a small portion of a drainage swale, approximately 1,000 sf, within the Caltrans right-of-way that runs along the easterly side of the project site.

Utilities

Existing water and sewer utility mains in adjacent roadways would need to be extended to in order to serve the project. An existing Sacramento County sewer line is located approximately 400 feet north of the site in West Stockton Boulevard. The project would connect to the existing sewer main and extend a new sewer main in the West Stockton Boulevard right-of-way to connect to the project site. Existing city water mains are located approximately 1,340 feet north of the site in West Stockton Boulevard and 1,150 feet west of the site in Sheldon Road. The water mains would be required to be extended and connected at the intersection of the two roadways. New city water mains would be constructed within existing city rights-of-way along the site frontage in both West Stockton Boulevard and Sheldon Road and would connect within the West Stockton Boulevard/Sheldon Road intersection.

Existing storm drain infrastructure is located in the Caltrans right-of-way adjacent to the drainage swale running along the southerly and easterly sides of the project site. The project includes driveway access to and from West Stockton Boulevard, which would cross an approximately 1,000 square foot portion of this swale. The project would include stormwater detention and treatment prior to releasing stormwater into the Caltrans drainage swale via a new 12-inch storm drain line. The project also involves relocation of existing overhead power poles and streetlights along Sheldon Road.

Landscaping, Lighting and Signage

The project would include removal of two trees along the southern boundary of the site. The project's landscaping plan includes planting a mix of trees along the perimeter of the project site including nine Redbud, ten Red Crape Myrtle, nine Valley oak, six Cork oak, and three Northern Red Oak along with a mix of shrubs and groundcover. A total of approximately 44 new trees would be planted. Landscaping would occur along the perimeter of the gas station and convenience store property and along the street frontages. Landscaping is not proposed within the Caltrans right-of-way.

The project would include ten freestanding light poles evenly distributed throughout the parking and driveway areas. These light fixtures would be downward facing, LED, and mounted to poles approximately 17 feet tall. Other building light fixtures are proposed along the perimeter of the convenience store building and recessed within the overhead fueling canopy. Signage would include building wall signage and one dual-face single pole sign approximately 35 feet in height at the southeastern corner of the site adjacent to the intersection of Sheldon Road and West Stockton Boulevard.

Off-Site Improvements

Road widening for Sheldon Road and West Stockton Boulevard would be required by the City. Sheldon Road would be widened to include a deceleration lane to the proposed driveway including new curb, gutter and sidewalk. Widening for a dual left-turn lane including new curb, gutter and sidewalk is required for West Stockton Boulevard. Driveway construction would also involve the installation of two new culverts within a drainage swale along Sheldon Road and West Stockton Boulevard. The project also includes the relocation of a currently inoperative bus stop pad approximately 100 feet west of the site, along Sheldon Road.

Project Construction

If the project is approved construction would take approximately 8 months to complete. Construction of the underground fuel storage tank would require excavating an area 10 to 12-feet deep. The earthwork is estimated at approximately 5,000 cubic yards (cy) of cut and 5,000 cy of fill for a net balanced site.

Required Project Approvals

The project is requesting a Conditional Use Permit for the gas station and a variance for the driveway location in proximity to the property line along Sheldon Road, which are discretionary approvals, along with a variety of ministerial permits including a tree permit relating to the tree removal and a sign permit.

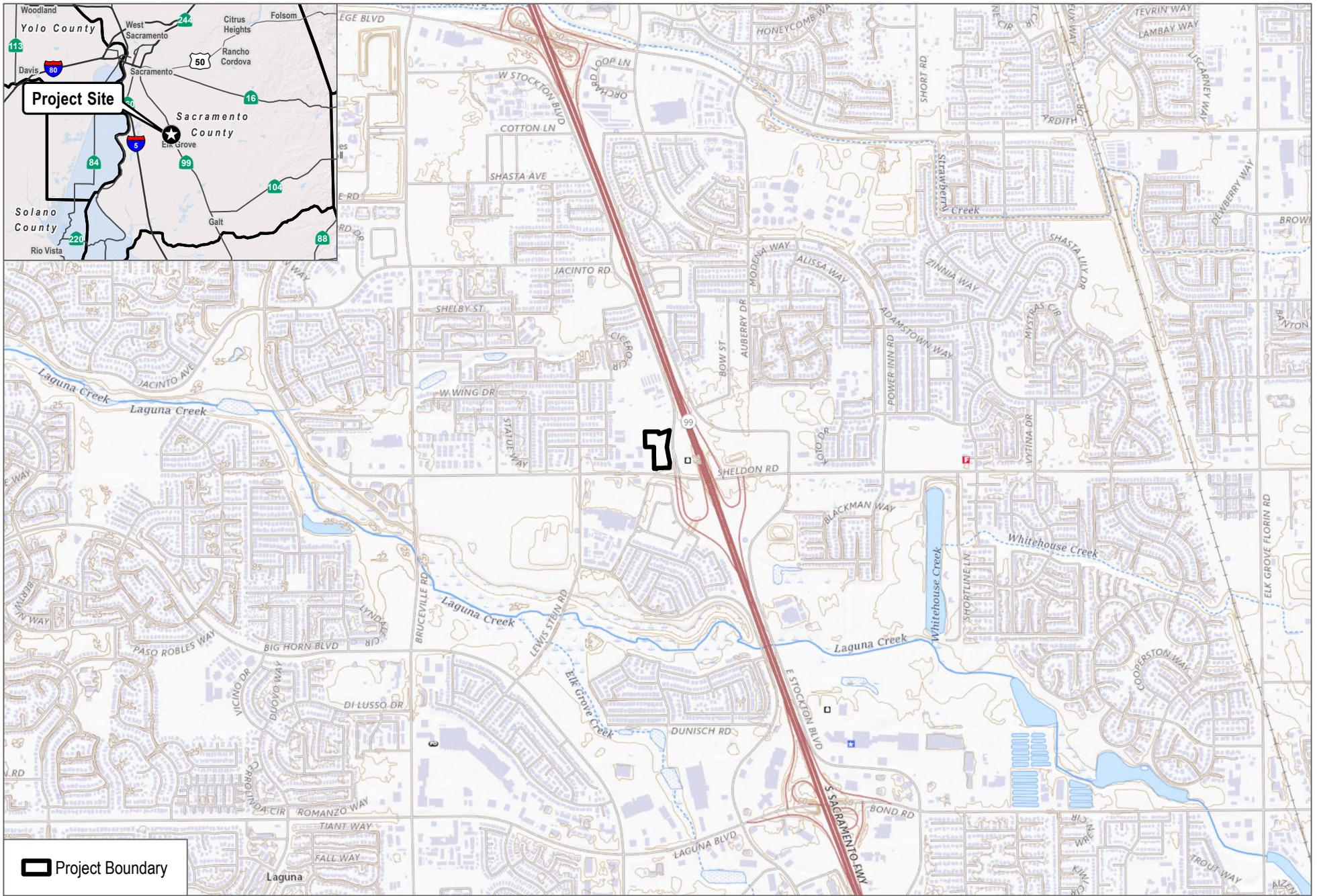
Permits from other agencies may be required. These include a permit to construct and operate the gas station from the Sacramento Metropolitan Air Quality Management District (SMAQMD) and an encroachment permit for work in the Caltrans right-of-way that would be issued by Caltrans District 3.

Attachments

Attachment 1 - Vicinity Map

Attachment 2 - Land Use and Zoning

Attachment 3 - Site Plan



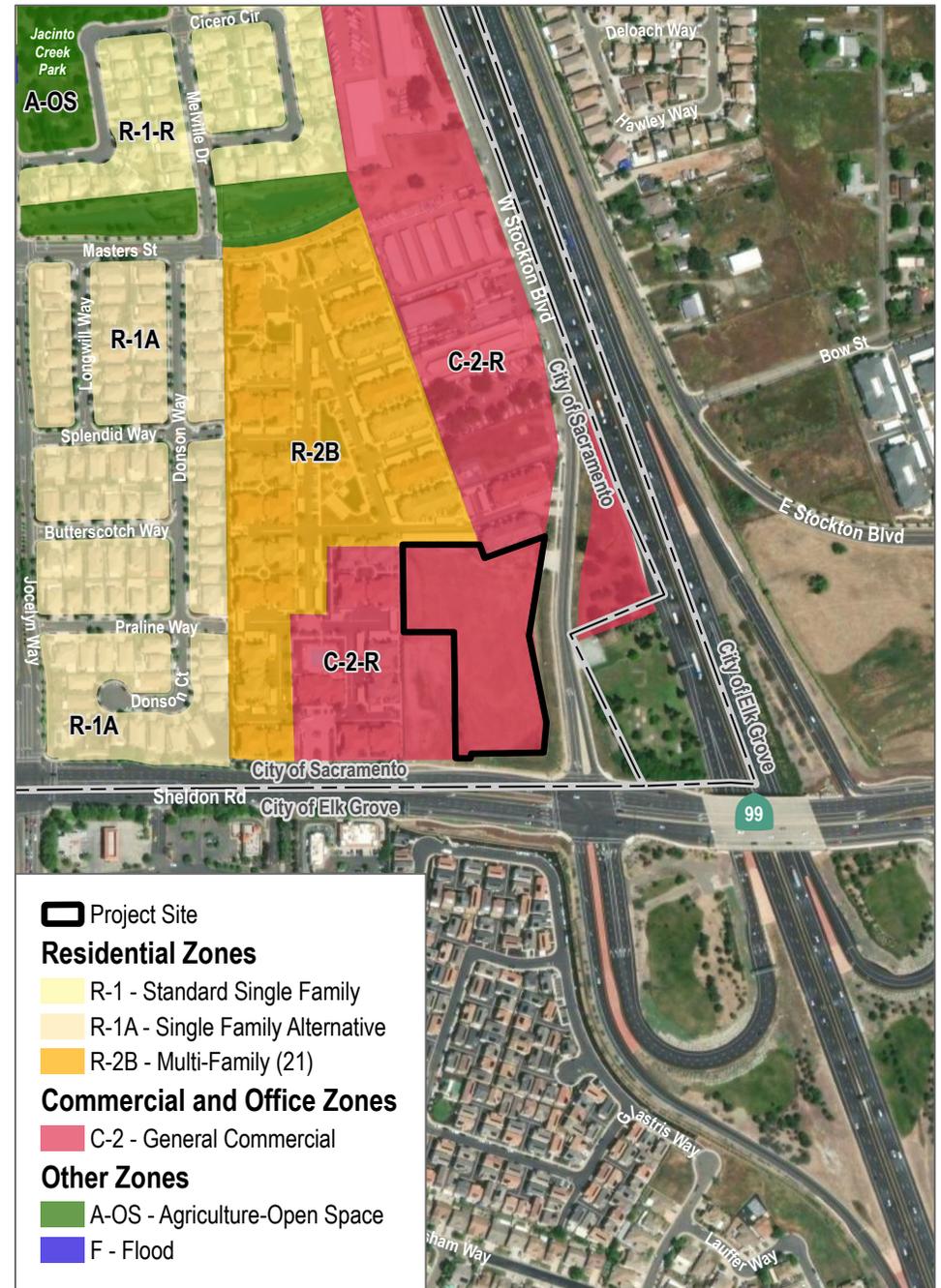
SOURCE: USGS National Map 2023
 Florn Quadrangle - Township 7N Range 4E Section 26



FIGURE 1

Project Location

Maverik Store at Sheldon Road and West Stockton Boulevard

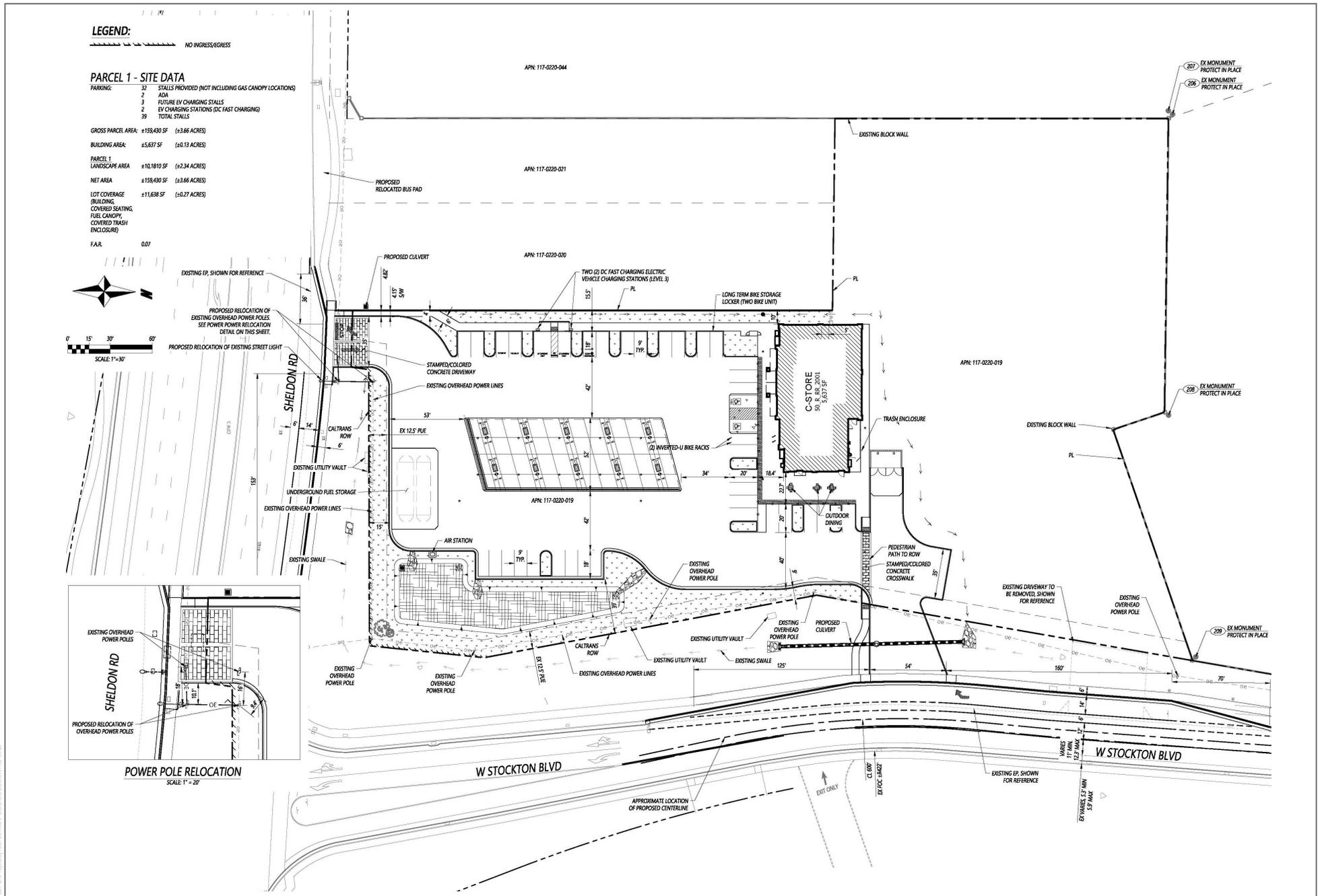


SOURCE: Maxar 2022; City of Sacramento 2020

FIGURE 2

Land Use and Zoning

Maverik Store at Sheldon Road and West Stockton Boulevard



LEGEND:

NO INGRESS/EGRESS

PARCEL 1 - SITE DATA

PARKING:	32	STALLS PROVIDED (NOT INCLUDING GAS CANOPY LOCATIONS)
	2	ADA
	3	FUTURE BY CHARGING STALLS
	2	BY CHARGING STATIONS (DC FAST CHARGING)
	39	TOTAL STALLS

GROSS PARCEL AREA: ±159,430 SF (±3.66 ACRES)

BUILDING AREA: ±5,637 SF (±0.13 ACRES)

PARCEL 1 LANDSCAPE AREA: ±10,1810 SF (±2.34 ACRES)

NET AREA: ±159,430 SF (±3.66 ACRES)

LOT COVERAGE (BUILDING, COVERED SEATING, FUEL CANOPY, COVERED TRASH ENCLOSURE): 0.07

F.A.R. 0.07



0' 15' 30' 60'
SCALE 1" = 30'

POWER POLE RELOCATION
SCALE 1" = 20'

FIGURE 3
Site Plan

SECTION III – ENVIRONMENTAL CHECKLIST AND DISCUSSION

AGRICULTURAL AND FORESTRY RESOURCES, LAND USE AND PLANNING, AND POPULATION AND HOUSING

Introduction

The California Environmental Quality Act (CEQA) requires the Lead Agency to examine the effects of a project on the physical conditions that exist within the area that would be affected by the project. CEQA also requires a discussion of any inconsistency between a project and applicable general plans and regional plans.

An inconsistency between the proposed project and an adopted plan for land use development in a community would not constitute a physical change in the environment. When a project diverges from an adopted plan, however, it may affect planning in the community regarding infrastructure and services, and the new demands generated by the project may result in later physical changes in response to the project.

In the same manner, the fact that a project brings new people or demand for housing to a community does not, by itself, change the physical conditions. An increase in population may, however, generate changes in retail demand or demand for governmental services, and the demand for housing may generate new activity in residential development. Physical environmental impacts that could result from implementing the proposed project are discussed in the appropriate technical sections.

This section of the Environmental Checklist identifies the applicable land use designations, plans and policies, and permissible densities and intensities of use, and discusses any inconsistencies between these plans and the proposed project. This section also discusses agricultural resources and the effect of the project on these resources.

Discussion

Agricultural and Forestry Resources

The Master EIR discussed the potential impact of development under the 2035 General Plan on agricultural resources; see Master EIR, Chapter 4.1. In addition to evaluating the effect of the General Plan on sites within the city, the Master EIR noted that to the extent the 2035 General Plan accommodates future growth within the city limits, the conversion of farmland outside the city limits is minimized. The Master EIR concluded that the impact of the 2035 General Plan on agricultural resources within the city was less than significant.

The project site does not contain soils designated as Important Farmland (i.e., Prime Farmland, Unique Farmland or Farmland of Statewide Importance). According to the California Department of Conservation Important Farmland Map, the project site is designated as urban and built-up land (DOC 2018). The project site is vacant and does not contain nor is zoned for agricultural uses. There are no Williamson Act contracts that affect the project site. No existing agricultural or timber-harvest uses are located on or in the vicinity of the project site. Therefore, development of the site would result in no impacts on agricultural or forestry resources.

Land Use

The project site has been designated Suburban Center in the City's 2035 General Plan and is zoned General Commercial (C-2).

The project site is located in an urbanized area of the city on an undeveloped vacant parcel. It is surrounded by development including a mix of residential, retail, and semi-public uses. Residences are located directly to the north, south, and west of the site; retail businesses are across Sheldon Road to the southwest of the site; and the San Joaquin Cemetery is located across West Stockton Boulevard

to the east of the site. Development of the site as proposed would alter the existing landscape, but the project site has been designated for nonresidential single-use commercial development in the 2035 General Plan and the Planning and Development Code; therefore, the proposed project is consistent with the City General Plan and zoning designations.

Population and Housing

The project does not include any housing. Therefore, it would not contribute to new housing or population within the City; there would be no impacts to population or housing.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
1. <u>AESTHETICS</u> Would the proposal: A) Create a source of glare that would cause a public hazard or annoyance?			X
B) Create a new source of light that would be cast onto oncoming traffic or residential uses?			X
C) Substantially degrade the existing visual character of the site or its surroundings?			X

ENVIRONMENTAL SETTING

The project site is located in an urbanized area of the city surrounded by development and residential and retail uses. The project site is undeveloped, generally flat, and does not include any buildings or structures. A few trees are located along the southern boundary. Along the southern and eastern perimeter of the project site there is an existing drainage swale, high-power electrical poles, and overhead powerlines. A separated pedestrian sidewalk runs along the project frontage on Sheldon Road and West Stockton Boulevard.

Existing sources of lights are provided by building lights in the vicinity of the project site and from cars traveling along Sheldon Road., West Stockton Boulevard and SR 99.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to aesthetics are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to aesthetics would occur if the project would:

- substantially interfere with an important scenic resource or substantially degrade the view of an existing scenic resource; or

- create a new source of substantial light or glare that is substantially greater than typical urban sources and could cause sustained annoyance or hazard for nearby sensitive receptors.

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

The Master EIR described the existing visual conditions in the City, and the potential changes to those conditions that could result from development consistent with the 2035 General Plan. See Master EIR, Section 4.13, Visual Resources. The 2035 General Plan includes Goal ER 7.1 to help preserve, maintain and protect the visual resources that define the city. Policy ER 7.1.3 addresses light sources and requires lighting to be directed downward to minimize spill-over onto adjacent properties and reduce vertical glare. Policy ER 7.1.4 addresses reflective glass and glare and prohibits new development to include large expanses of mirrored glass, black glass, or metal building materials and also large expanses of exposed concrete.

The Master EIR identified potential impacts for light and glare (Impact 4.13-1) and concluded that impacts would be less than significant.

ANSWERS TO CHECKLIST QUESTIONS

A,B) The proposed project includes a gas station and convenience store. The project would be open 24/7 and includes building lights, signage lights, and lights for the gas fueling station canopy. The project includes ten freestanding light poles that would include fixtures focused downward, LED bulbs, and mounted to poles approximately 17 feet tall. Other building-mounted light fixtures are proposed along the perimeter of the convenience store building and recessed within the fueling canopy. There are residences to the north, west, and south of the project site. However, the project would be separated from these residences by neighboring unoccupied parcels to the north and west and Sheldon Boulevard to the south. Furthermore, all lights would be directed downward to minimize spill-over onto adjacent properties and reduce vertical glare consistent with General Plan Policy ER 7.1.3. The project's photometric plan specifies the types of light fixtures selected for the project and indicates that the project would not lead to significant off-site lighting levels. The plan shows that 0.0 footcandle light levels outside of 60 feet in all directions of the project site.

Glare is produced when expansive surfaces reflect light, creating a nuisance and hazard for people in the vicinity. Large light-colored surfaces or glass are the most likely to produce glare. The project's building design is required to be consistent with General Plan Policy ER 7.1.4, which prohibits using reflective glass that exceeds 50% of any building surface, using mirrored glass or black glass that exceeds 25% of any surface of a building, or using exposed concrete that exceeds 50% of the building. As indicated in the project plans, to be verified during the building permit plan review process, building materials would not exceed these standards; the convenience store's building exterior would be comprised of stone veneer, fiber cement board and batten siding, and steel; the gas fueling canopy structure would be comprised mostly of aluminum composite metal paneling. All glass would be clear and would not be mirrored or contain black glass. The project would not create a source of glare that could cause a public hazard or annoyance and would not result in an additional environmental effect.

C) The proposed project is located in an urbanized area of the city surrounded by roads and developed uses. The project site is an undeveloped parcel but does not contain any features that are characterized as visually scenic. Due to its location and flat topography, the site does not represent a high degree of visual character. Development of the site with and urban commercial use would not substantially degrade the existing visual character of the site or its surroundings and would not result in an additional environmental effect.

FINDINGS

The proposed project would have no additional project-specific environmental effects relating to Aesthetics.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
2. <u>AIR QUALITY</u>			
<i>Would the proposal:</i>		X	
A) Result in construction emissions of NO _x above 85 pounds per day?		X	
B) Result in operational emissions of NO _x or ROG above 65 pounds per day?		X	
C) Violate any air quality standard or have a cumulatively considerable contribution to an existing or projected air quality violation?		X	
D) Result in PM ₁₀ and PM _{2.5} concentrations that exceed SAMQMD requirements?		X	
E) Result in CO concentrations that exceed the 1-hour state ambient air quality standard (i.e., 20.0 ppm) or the 8-hour state ambient standard (i.e., 9.0 ppm)?		X	
F) Result in exposure of sensitive receptors to substantial pollutant concentrations?		X	
G) Result in TAC exposures create a risk of 10 in 1 million for stationary sources, or substantially increase the risk of exposure to TACs from mobile sources?		X	

ENVIRONMENTAL SETTING

The City is located within the Sacramento Valley Air Basin (SVAB), which is a valley bounded by the North Coast Mountain Ranges to the west and the Northern Sierra Nevada Mountains to the east. The terrain in the valley is flat and approximately 25 feet above sea level.

Hot, dry summers and mild, rainy winters characterize the Mediterranean climate of the Sacramento Valley. Throughout the year, daily temperatures may range by 20 degrees Fahrenheit with summer highs often exceeding 100 degrees and winter lows occasionally below freezing. Average annual rainfall is about 20 inches and snowfall is very rare. Summertime temperatures are normally moderated by the presence of the "Delta breeze" that arrives through the Carquinez Strait in the evening hours.

The mountains surrounding the SVAB create a barrier to airflow, which can trap air pollutants in the valley. The highest frequency of air stagnation occurs in the autumn and early winter when large high-pressure cells lie over the valley. The lack of surface wind during these periods and the reduced vertical flow caused by less surface heating reduces the influx of outside air and allows air pollutants to become concentrated

in a stable volume of air. The surface concentrations of pollutants are highest when these conditions are combined with temperature inversions that trap cooler air and pollutants near the ground.

The warmer months in the SVAB (May through October) are characterized by stagnant morning air or light winds, and the Delta breeze that arrives in the evening out of the southwest. Usually, the evening breeze transports a portion of airborne pollutants to the north and out of the Sacramento Valley. During about half of the day from July to September, however, a phenomenon called the “Schultz Eddy” prevents this from occurring. Instead of allowing the prevailing wind patterns to move north carrying the pollutants out of the valley, the Schultz Eddy causes the wind pattern to circle back south. This phenomenon exacerbates the pollution levels in the area and increases the likelihood of violating federal or state standards. The Schultz Eddy normally dissipates around noon when the Delta breeze begins.

Criteria Air Pollutants

Concentrations of emissions from criteria air pollutants (the most prevalent air pollutants known to be harmful to human health) are used to indicate the quality of the ambient air. Criteria air pollutants include ozone, carbon monoxide (CO), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), respirable and fine particulate matter (PM₁₀ and PM_{2.5}), and lead. The sources of criteria air pollutants and their respective acute and chronic health impacts are described in Table 2-1.

Table 2-1. Sources and Health Effects of Criteria Air Pollutants

Pollutant	Sources	Acute¹ Health Effects	Chronic² Health Effects
Ozone	Secondary pollutant resulting from reaction of ROG and NO _x in presence of sunlight. ROG emissions result from incomplete combustion and evaporation of chemical solvents and fuels; NO _x results from the combustion of fuels	Increased respiration and pulmonary resistance; cough, pain, shortness of breath, lung inflammation	Permeability of respiratory epithelia, possibility of permanent lung impairment
Carbon monoxide (CO)	Incomplete combustion of fuels; motor vehicle exhaust	Headache, dizziness, fatigue, nausea, vomiting, death	Permanent heart and brain damage
Nitrogen dioxide (NO ₂)	Combustion devices; e.g., boilers, gas turbines, and mobile and stationary reciprocating internal combustion engines	Coughing, difficulty breathing, vomiting, headache, eye irritation, chemical pneumonitis or pulmonary edema; breathing abnormalities, cough, cyanosis, chest pain, rapid heartbeat, death	Chronic bronchitis, decreased lung function
Sulfur dioxide (SO ₂)	Coal and oil combustion, steel mills, refineries, and pulp and paper mills	Irritation of upper respiratory tract, increased asthma symptoms	Insufficient evidence linking SO ₂ exposure to chronic health impacts
Respirable particulate matter (PM ₁₀), Fine particulate matter (PM _{2.5})	Fugitive dust, soot, smoke, mobile and stationary sources, construction, fires and natural windblown dust, and formation in the Atmosphere by condensation and/or transformation of SO ₂ and ROG	Breathing and respiratory symptoms, aggravation of existing respiratory and cardiovascular diseases, Premature death	Alterations to the immune system, carcinogenesis

Table 2-1. Sources and Health Effects of Criteria Air Pollutants

Pollutant	Sources	Acute¹ Health Effects	Chronic² Health Effects
Lead	Metal processing	Reproductive/developmental effects (fetuses and children)	Numerous effects including neurological, endocrine, and cardiovascular effects

Notes: NO_x = oxides of nitrogen; ROG = reactive organic gases.

1. "Acute" refers to effects of short-term exposures to criteria air pollutants, usually at fairly high concentrations.

2. "Chronic" refers to effects of long-term exposures to criteria air pollutants, usually at lower, ambient concentrations.

Source: EPA 2022.

Existing Air Quality

The U.S. Environmental Protection Agency (EPA) has been charged with implementing national air quality programs. EPA's air quality mandates are drawn primarily from the federal Clean Air Act (CAA), which was enacted in 1970 and most recently amended by Congress in 1990. The CAA required EPA to establish the National Ambient Air Quality Standards (NAAQS) for the following criteria air pollutants: ozone, CO, NO₂, SO₂, PM₁₀, PM_{2.5}, and lead. The CAA also requires each state to prepare a State implementation plan (SIP) for attaining and maintaining the NAAQS. The federal Clean Air Act Amendments of 1990 added requirements for states with nonattainment areas to revise their SIPs to incorporate additional control measures to reduce air pollution. Individual SIPs are modified periodically to reflect the latest emissions inventories, planning documents, and rules and regulations of the air basins as reported by their jurisdictional agencies.

The California Air Resources Board (CARB) is the agency responsible for coordination and oversight of state and local air pollution control programs in California and for implementing the California Clean Air Act (CCAA). The CCAA, which was adopted in 1988, required CARB to establish its own California Ambient Air Quality Standards (CAAQS). CARB has established CAAQS for sulfates, hydrogen sulfide, vinyl chloride, visibility-reducing particulate matter, and the above-mentioned criteria air pollutants. In most cases the CAAQS are more stringent than the NAAQS. In addition, in 1988 CARB adopted the Airborne Toxic Control Measure (ATCM) for emissions of benzene from retail service stations. CARB requires the installation of CARB-certified Phase I and II vapor recovery control equipment at all retail service stations. The ATCM is designed to reduce benzene and total hydrocarbon emissions from retail service stations by 95%.

The SVAB is currently designated as nonattainment for the NAAQS 8-hour ozone standard and the CAAQS for both 1-hour and 8-hour O₃ standard. The SVAB is also currently designated as nonattainment for both NAAQS and CAAQS 24-hour PM₁₀ standards. In addition, the SVAB is currently designated as nonattainment for the NAAQS 24-hour PM_{2.5} standard. The air basin is designated as unclassified or in attainment for the remaining criteria air pollutants (SMAQMD 2020a).

Toxic Air Contaminants

According to the California Almanac of Emissions and Air Quality (CARB 2013), the majority of the estimated health risks from toxic air contaminants (TACs) can be attributed to relatively few compounds, the most important being diesel particulate matter (diesel PM). Diesel PM differs from other TACs in that it is not a single substance, but rather a complex mixture of hundreds of substances. Although diesel PM is emitted by diesel-fueled internal combustion engines, the composition of the emissions varies depending on engine type, operating conditions, fuel composition, lubricating oil, and whether an emissions control system is being used. In addition to diesel PM, the TACs for which data are available that pose the greatest existing ambient risk in California are benzene, 1,3-butadiene, acetaldehyde, carbon tetrachloride, hexavalent chromium, para-dichlorobenzene, formaldehyde, methylene chloride, and perchloroethylene.

TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and non-carcinogenic effects. Non-carcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Sensitive Receptors

Sensitive receptors are generally considered to include those land uses where exposure to pollutants could result in health-related risks to sensitive individuals, such as children or the elderly. Residential dwellings, schools, hospitals, playgrounds, and similar facilities are of primary concern because of the presence of individuals particularly sensitive to pollutants and/or the potential for increased and prolonged exposure of individuals to pollutants. The closest sensitive receptors to the project site are existing multi-family residences located to the north and west of the project site. There are no schools located within a quarter mile of the project site.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to air quality based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to air quality would occur if the project would:

- construction emissions of NO_x above 85 pounds per day;
- operational emissions of NO_x or ROG above 65 pounds per day;
- violation of any air quality standard or contribute substantially to an existing or projected air quality violation;
- any increase in PM₁₀ concentrations, unless all feasible Best Available Control Technology (BACT) and Best Management Practices (BMPs) have been applied, then increases above 80 pounds per day or 14.6 tons per year;
- CO concentrations that exceed the 1-hour State ambient air quality standard (i.e., 20.0 ppm) or the 8-hour State ambient standard (i.e., 9.0 ppm); or
- exposure of sensitive receptors to substantial pollutant concentrations.

Ambient air quality standards have not been established for TAC. TAC exposure is deemed to be significant if:

- TAC exposures create a risk of 10 in 1 million for stationary sources, or substantially increase the risk of exposure to TACs from mobile sources; or

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

The Master EIR addressed the potential effects of the 2035 General Plan on ambient air quality and the potential for exposure of people, especially sensitive receptors such as children or the elderly, to unhealthy pollutant concentrations. See Master EIR, Section 4.2.

Environmental Resource (ER) policies in the 2035 General Plan were identified as mitigating potential effects of development that could occur under the 2035 General Plan. For example, Policy ER 6.1.1 calls

for the City to work with the CARB and the Sacramento Metropolitan Air Quality Management District (SMAQMD) to meet state and federal air quality standards; Policy ER 6.1.2 requires the City to review proposed development projects to ensure that the projects incorporate feasible measures that reduce construction and operational emissions; Policy ER 6.1.4 and ER 6.1.11 calls for coordination of City efforts with SMAQMD; and Policy ER 6.1.15 requires the City to give preference to contractors using reduced-emission equipment.

The Master EIR identified exposure to sources of TAC as a potential effect. Policies in the 2035 General Plan would reduce the effect to a less-than-significant level. The policies include ER 6.1.4, requiring coordination with SMAQMD in evaluating exposure of sensitive receptors to TACs, and impose appropriate conditions on projects to protect public health and safety; as well as Policy LU 2.7.5 requiring extensive landscaping and trees along freeways fronting elevation and design elements that provide proper filtering, ventilation, and exhaust of vehicle air emissions from buildings.

ANSWERS TO CHECKLIST QUESTIONS

A-G) **Construction**

Construction of the proposed project would result in a temporary addition of pollutants to the local air shed caused by soil disturbance, fugitive dust emissions, and combustion pollutants from on-site construction equipment, as well as from off-site trucks hauling demolition debris, and from construction workers traveling to and from the site. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation and, for dust, the prevailing weather conditions. Therefore, an increment of day-to-day variability exists.

Pollutant emissions associated with construction of the proposed project were quantified using the California Emissions Estimator Model (CalEEMod), Version 2022.1.1.19 (see Appendix A, Air Quality Model Outputs). Default values provided by the program were used where detailed project information was not available.

It was assumed that total construction would occur over a period of 8 months. CalEEMod was used to quantify emissions of ozone precursors (ROG and NO_x) and coarse particulate matter (PM₁₀) emissions from off-road equipment, grading, on-road worker vehicle emissions, and vendor delivery trips. Construction of the project would also generate carbon monoxide (CO), sulfur dioxide (SO_x) and fine particulate matter (PM_{2.5}) emissions; however, only the criteria air pollutants that the SMAQMD have adopted thresholds for are presented in Table 2-2, Estimated Construction Emissions.

As shown in Table 2-2, emissions of NO_x, PM₁₀, and PM_{2.5} associated with construction activities would not exceed the SMAQMD significance thresholds because compliance with Basic Construction Emissions Control Practices (BCECP) and Best Management Practices (BMPs) was factored into the model. To ensure dust that generates particulate matter is minimized during construction, the proposed project would comply with the SMAQMD's Rule 403 - Fugitive Dust which requires, where possible, use of water or chemicals to control dust in the demolition of existing buildings or structures, construction operations, and the construction of roadways or the clearing of land; and the application of asphalt, oil, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which can give rise to airborne dusts.

To ensure compliance with the SMAQMD thresholds, mitigation measures AQ-1 and AQ-2 are included (although not required to reduce the impact to less than significant), which identifies all feasible BCECP and BMPs to minimize construction-related dust and emissions.

Table 2-2. Estimated Construction Emissions

Year	NO _x	PM ₁₀	PM _{2.5}
Summer Emissions (Pounds per Day)			
2024	25.20	4.57	2.32
2025	-	-	-

Table 2-2. Estimated Construction Emissions

Year	NO_x	PM₁₀	PM_{2.5}
<i>Pollutant Threshold</i>	85	80*	82*
Threshold Exceeded?	No	No	No
Winter Emissions (Pounds per Day)			
2024	12.94	1.66	0.75
2025	7.71	1.22	0.47
<i>Pollutant Threshold</i>	85	80*	82*
Threshold Exceeded?	No	No	No
Annual Emissions (Tons per Year)			
2024	0.59	0.09	0.04
2025	0.08	0.01	0.01
<i>Pollutant Threshold</i>	NA	14.6*	15*
Threshold Exceeded?	NA	No	No

Notes: Detailed results are included in Appendix A. Because no significance threshold for annual emissions of NO_x 'NA' has been inserted.

* SMAQMD PM Thresholds if all feasible BCECP/BMPs are applied

NA = not applicable; NO_x = oxides of nitrogen; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

Source: Appendix A.

In addition to impacts from criteria pollutants, project impacts may include emissions of pollutants identified by the state and federal government as toxic air contaminants (TACs) or hazardous air pollutants. State law has established the framework for California's TAC identification and control program, which is generally more stringent than the federal program and aimed at TACs that are a problem in California. The state has formally identified more than 200 substances as TACs, including the federal hazardous air pollutants, and has adopted appropriate control measures for sources of these TACs. The following measures are required by state law to reduce DPM emissions:

- Fleet owners of mobile construction equipment are subject to the CARB Regulation for In-use Off-road Diesel Vehicles (13 CCR 2449), the purpose of which is to reduce DPM and criteria pollutant emissions from in-use (existing) off-road diesel-fueled vehicles.
- All commercial diesel vehicles are subject to Title 13, Section 2485 of the California Code of Regulations, limiting engine idling time. Idling of heavy-duty diesel construction equipment and trucks during loading and unloading shall be limited to 5 minutes; electric auxiliary power units should be used whenever possible.

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SMAQMD recommends an incremental cancer risk threshold of 10 in a million (SMAQMD 2020a). "Incremental cancer risk" is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 9-, 30-, and 70-year exposure period will contract cancer based on the use of standard OEHHA risk-assessment methodology. In addition, some TACs have noncarcinogenic effects.

TACs that would potentially be emitted during construction activities would be DPM emitted from heavy-duty construction equipment and heavy-duty trucks. Heavy-duty construction equipment and diesel trucks are subject to CARB Airborne Toxic Control Measures to reduce DPM emissions. Although construction activities of the proposed project are short term and variable, in an abundance of caution and to provide information disclosure, a construction health risk assessment (HRA) was performed for the proposed project to evaluate the risk from diesel exhaust emissions on existing nearby off-site sensitive receptors. SMAQMD defines sensitive receptors as facilities that house or attract children, the elderly, people with illnesses, or others who are especially sensitive to the effects of air pollutants or may experience adverse effects from unhealthy concentrations of air pollutants. Hospitals, clinics, schools, convalescent facilities, and residential areas are examples of sensitive receptors. The nearest sensitive receptors are existing multi-family residences, adjacent to the

project's northern and western boundaries. The nearest sensitive receptors in the vicinity of the project site are residential land uses adjacent to the project site to the north and west. Table 2-3, Construction Activity Health Risk Assessment Results, summarizes the results of the HRA for proposed project construction.

Table 2-3. Construction Activity Health Risk Assessment Results

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Cancer Risk	Per Million	8.81	10.0	Less than Significant
HIC	Not Applicable	0.02	1.0	Less than Significant

Source: Appendix A.

Notes: CEQA = California Environmental Quality Act; HIC = Chronic Hazard Index.

The results shown in Table 2-3 demonstrate that the cancer risk from construction activities at the maximum exposed individual resident would be below the 10 in a million threshold and chronic hazard index less than 1. The construction HRA output files are contained in Appendix A.

SMAQMD has adopted the quantitative threshold for construction GHG emissions of 1,100 MT CO_{2e} for land use development projects (SMAQMD 2020b). A project that exceeds the thresholds may have a cumulatively considerable contribution of GHG emissions.

Operation

Following the completion of construction activities, the proposed project would generate pollutant emissions from area sources (include the use of consumer products and landscape maintenance equipment), on-site energy use, and vehicles travelling to and from the project site. Table 2-4, Estimated Unmitigated Operational Emissions, presents the estimated operational emissions (Year 2025) from the proposed project.

Table 2-4. Estimated Operational Emissions

Source	ROG	NO _x	PM ₁₀	PM _{2.5}
Summer Emissions (Pounds per Day)				
Area	0.11	<0.01	<0.01	<0.01
Energy	<0.01	0.02	<0.01	<0.01
Mobile	10.51	9.44	15.82	4.12
Total	10.63	9.46	15.82	4.12
<i>Pollutant Threshold</i>	65	65	80*	82*
Threshold Exceeded?	No	No	No	No
Winter Emissions (Pounds per Day)				
Area	0.09	-	-	-
Energy	<0.01	0.02	<0.01	<0.01
Mobile	9.36	11.10	15.82	4.12
Total	9.45	11.12	15.82	4.12
<i>Pollutant Threshold</i>	65	65	80*	82*
<i>Threshold Exceeded?</i>	No	No	No	No
Annual Emissions (Tons per Year)				
Area	0.02	<0.01	<0.01	<0.01

Table 2-4. Estimated Operational Emissions

Source	ROG	NO _x	PM ₁₀	PM _{2.5}
Energy	<0.01	<0.01	<0.01	<0.01
Mobile	1.47	1.03	1.20	0.31
Total	1.48	1.03	1.20	0.31
<i>Pollutant Threshold</i>	NA	NA	14.6*	15*
Threshold Exceeded?	NA	NA	No	No

Notes: Detailed results are included in Appendix A. Because no significance threshold for annual emissions of ROG and NO_x 'NA' has been inserted.

* SMAQMD PM Thresholds if all feasible BACT/BMPs are applied.

ROG = reactive organic gases; NA = not applicable; NO_x = oxides of nitrogen; PM₁₀ = coarse particulate matter, PM_{2.5} = fine particulate matter; <0.01 = value less than reported 0.01.

Source: Appendix A.

As shown in Table 2-4, emissions of ROG, NO_x, PM₁₀, and PM_{2.5} from project operation would be minimal and would not exceed the SMAQMD thresholds of significance. The SMAQMD CEQA guidance states that operational emissions that generate above zero pounds per day of PM₁₀ and PM_{2.5} would result in a significant impact, unless all feasible Best Available Control Technologies (BACT) and BMPs are implemented (SMAQMD 2020a). The proposed project would be required to comply with BMP measures in its final design to reduce operational PM₁₀ and PM_{2.5} emissions including compliance with the California Building Energy Efficiency Standards and Green Building Code (Title 24, Parts 6 and 11) and would also develop sidewalks adjacent to the site. Furthermore, project design review under Policy ER 6.1.2 of the City's General Plan would ensure that the proposed project includes feasible measures that reduce air pollutant emissions through project design. Therefore, there would be no additional effect and the impact would be less than significant.

Another source of TACs is gasoline vapors from fueling operations. Gasoline vapors include several substances considered TACs by the state, including benzene, toluene, and a gasoline additive known as MTBE (methyl tertiary-butyl ether). The CARB led the effort to certify gasoline vapor control systems and require their use starting in 1974. In 1990 the federal Clean Air Act amendments included requirements that vapor recovery systems at gas stations use CARB-certified equipment. Per Rule 449, the SMAQMD requires gasoline fueling stations to install and maintain vapor recovery systems. Vapor recovery systems control vapor emissions from gasoline marketing operations (gasoline dispensing facilities or service stations, tanker trucks (cargo tanks), bulk plants, and terminals). Within 30 calendar days of completion of construction or modification of any vapor recovery system, the operator must conduct and pass all applicable performance tests to receive a use permit. Reverification tests are required annually to maintain the use permit.

In addition, the CARB published the Air Quality and Land Use Handbook in April 2005 to serve as a general guide for considering impacts to sensitive receptors from facilities that emit TAC emissions. The recommendations provided therein are voluntary and do not constitute a requirement or mandate for either land use agencies or local air districts. The goal of the guidance document is to protect sensitive receptors, such as children, the elderly, acutely ill, and chronically ill persons, from exposure to TAC emissions. A summary of the recommended distances is shown in Table 1-1 of CARB's Air Quality and Land Use Handbook. For gasoline dispensing facilities, sensitive land uses located within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater) should be avoided, and a 50-foot separation is recommended for typical gas dispensing facilities. The project's nearest sensitive receptor would be located approximately more than 100 feet of the station canopy.

The project would also not result in CO concentrations that exceed the current 1-hour and 8-hour standards and would not develop housing that could place residents near mobile or stationary sources

of toxic air contaminants (TACs). Impacts associated with construction and operations of the project are less than significant.

MITIGATION MEASURES

Compliance with the following measures already required by SMAQMD or CARB would ensure impacts would remain less than significant.

Mitigation Measure AQ-1 (Construction Emissions)

The following Basic Construction Emission Control Practices (BCECP) shall be implemented during project construction:

- Water all exposed surfaces two times daily. Exposed surfaces include, but are not limited to soil piles, graded areas, unpaved parking areas, and staging areas.
- Cover or maintain at least two feet of free board space on haul trucks transporting soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways shall be covered.
- Use wet power vacuum street sweepers to remove any visible track-out mud or dirt onto adjacent public roads at least once a day. Use of dry power sweeping is prohibited.
- Limit vehicle speeds on unpaved roads to 15 miles per hour (mph).

The following practices describe exhaust emission control from diesel powered fleets working at a construction site. California regulations limit idling from both on-road and off-road diesel-powered equipment. The California Air Resources Board enforces the idling limitations.

- Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to 5 minutes [required by California Code of Regulations, Title 13, sections 2449(d)(3) and 2485]. Provide clear signage that posts this requirement for workers at the entrances to the site.

Although not required by local or state regulation, many construction companies have equipment inspection and maintenance programs to ensure work and fuel efficiencies.

- Maintain all construction equipment in proper working condition according to manufacturer's specifications. The equipment must be checked by a certified mechanic and determine to be running in proper condition before it is operated.

Mitigation Measure AQ-2 (Construction Traffic)

Route and schedule construction traffic to avoid peak travel times as much as possible to reduce congestion and related air quality impacts caused by idling vehicles along local roads.

FINDINGS

All additional significant environmental effects of the proposed project relating to Air Quality can be mitigated to a less-than-significant level.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
<p>3. <u>BIOLOGICAL RESOURCES</u> Would the proposal:</p> <p>A) Create a potential health hazard, or use, production or disposal of materials that would pose a hazard to plant or animal populations in the area affected?</p>			X
<p>B) Result in substantial degradation of the quality of the environment, reduction of the habitat, reduction of population below self-sustaining levels of threatened or endangered species of plant or animal species?</p>		X	
<p>C) Affect other species of special concern to agencies or natural resource organizations (such as regulatory waters and wetlands)?</p>		X	

ENVIRONMENTAL SETTING

Prior to human development, the natural habitats within the region included perennial grasslands, riparian woodlands, oak woodlands, and a variety of wetlands including vernal pools, seasonal wetlands, freshwater marshes, ponds, streams, and rivers. Over the last 150 years, agriculture, irrigation, flood control, and urbanization have resulted in the loss or alteration of much of the natural habitat within the city limits. Non-native annual grasses have replaced the native perennial grasslands, many of the natural streams have been channelized, much of the riparian and oak woodlands have been cleared, and most of the marshes have been drained and converted to agricultural or urban uses.

The majority of the city is developed with residential, commercial, and other urban development, valuable plant and wildlife habitat still exists. These natural habitats are located primarily outside the city boundaries in the northern, southern and eastern portions of the city, but also occur along river and stream corridors and on a number of undeveloped parcels. Habitats that are present in the city include annual grasslands, riparian woodlands, oak woodlands, riverine, ponds, freshwater marshes, seasonal wetlands, and vernal pools.

A Biological Resource Assessment (BRA) was prepared for the project by Dudek in May 2022 (see Appendix B). Based on this assessment, which included literature review and a field survey, the project site is comprised of land covers including one natural vegetation community, one non-natural land cover type, and two aquatic land cover types. The following vegetation communities and land cover types were documented on site and are described in further detail later in Appendix B: non-native grassland, developed, ditch, and freshwater emergent wetland. A total of 20 species of plants, including 4 native and 16 non-native plant species were recorded during field survey. Two native wildlife species were also recorded. As noted in Appendix B, the lack of species diversity and presence of non-native species reflect the disturbed conditions of the project site.

The City’s Tree Preservation Ordinance (Ordinance (Ord. 2016-0026; City Code Chapter 12.56), protects City trees and certain private trees within city limits. The ordinance specifies that a tree permit is required to perform regulated work, including removal of protected trees. A tree permit for the removal of private protected trees must include a tree replacement plan. The ordinance requires that the tree replacement plan must provide for one inch of replacement tree for every inch of private protected tree or City tree

that is removed. Replacement trees may be planted on-site or off-site and must be monitored and maintained for the specified time period required for tree establishment.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to biological resources are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to biological resources would occur if the project would:

- creation of a potential health hazard, or use, production or disposal of materials that would pose a hazard to plant or animal populations in the area affected;
- substantial degradation of the quality of the environment, reduction of the habitat, reduction of population below self-sustaining levels of threatened or endangered species of plant or animal; or
- affect other species of special concern to agencies or natural resource organizations (such as regulatory waters and wetlands).

For the purposes of this document, “special-status” has been defined to include those species, which are:

- Listed as endangered or threatened under the federal Endangered Species Act (or formally proposed for, or candidates for, listing);
- Listed as endangered or threatened under the California Endangered Species Act (or proposed for listing);
- Designated as endangered or rare, pursuant to California Fish and Game Code (Section 1901);
- Designated as fully protected, pursuant to California Fish and Game Code (Section 3511, 4700, or 5050);
- Designated as species of concern by U.S. Fish and Wildlife Service (USFWS), or as species of special concern to California Department of Fish and Wildlife (CDFW);
- Plants or animals that meet the definition of rare or endangered under the California Environmental Quality Act (CEQA).

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

Section 4.3 of the Master EIR evaluated the effects of the 2035 General Plan on biological resources within the City. The Master EIR identified potential impacts in terms of degradation of the quality of the environment or reduction of habitat or population below self-sustaining levels of special-status birds, through the loss of both nesting and foraging habitat.

Policies in the 2035 General Plan were identified as mitigating the effects of development that could occur under the provisions of the 2035 General Plan. Policy ER 2.1.5 calls for the City to preserve the ecological integrity of creek corridors and other riparian resources; Policy ER 2.1.10 requires the City to consider the potential impact on sensitive plants for each project and to require pre-construction surveys when appropriate; and Policy ER 2.1.11 requires the City to coordinate its actions with those of the CDFW, USFWS, and other agencies in the protection of resources.

The Master EIR discussed biological resources in Section 4.3. The Master EIR concluded that policies in the General Plan, combined with compliance with the California Endangered Species Act, Natomas Basin

Habitat Conservation Plan (when applicable) and CEQA would minimize the impacts on special-status species to a less-than-significant level (see Impact 4.3-1), and that the General Plan policies, along with similar compliance with local, state and federal regulation would reduce impacts to a less-than-significant level for habitat for special-status invertebrates, birds, amphibians and reptiles, mammals and fish (Impacts 4.3-3-6).

Given the prevalence of rivers and streams in the incorporated area, impacts to riparian habitat is a common concern. Riparian habitats are known to exist throughout the City, especially along the Sacramento and American rivers and their tributaries. The Master EIR discussed impacts of development adjacent to riparian habitat that could disturb wildlife species that rely on these areas for shelter and food and could also result in the degradation of these areas through the introduction of feral animals and contaminants that are typical of urban uses. The CDFW regulates potential impacts on lakes, streams, and associated riparian (streamside or lakeside) vegetation through the issuance of Lake or Streambed Alteration Agreements (SAA) (per Fish and Game Code Section 1602) and provides guidance to the City as a resource agency. While there are no federal regulations that specifically mandate the protection of riparian vegetation, federal regulations set forth in Section 404 of the Clean Water Act address areas that potentially contain riparian-type vegetation, such as wetlands.

The General Plan calls for the City to preserve the ecological integrity of creek corridors, canals and drainage ditches that support riparian resources (Policy ER 2.1.5) and wetlands (Policy ER 2.1.6) and requires habitat assessments and impact compensation for projects (Policy ER 2.1.10). has adopted a standard that requires coordination with state and federal agencies if a project has the potential to affect other species of special concern or habitats (including regulatory waters and wetlands) protected by agencies or natural resource organizations (Policy 2.1.11).

Implementation of 2035 General Plan Policy ER 2.1.5 would reduce the magnitude of potential impacts by requiring a 1:1 replacement of riparian habitat lost to development. While this would help mitigate impacts on riparian habitat, large open areas of riparian habitat used by wildlife could be lost and/or degraded directly and indirectly through development under the 2035 General Plan. Given the extent of urban development designated in the General Plan, the preservation and/or restoration of riparian habitat would likely occur outside of the city limits. The Master EIR concluded that the permanent loss of riparian habitat would be a less-than-significant impact. (Impact 4.3-7).

ANSWERS TO CHECKLIST QUESTIONS

A,B) As noted in the Biological Resources Assessment (Appendix B), results of the database searches revealed 23 special-status plant species that have potential to occur in the BRA search area. Of the 23 special-status plant species, one has moderate potential to occur within the BRA study area, Sanford's arrowhead, and five have low potential to occur within the project study area, including bristly sedge, Bolander's water-hemlock, Peruvian dodder, and Delta tule pea. However, as concluded in the BRA, the project site provides low to marginal quality habitat for these species due to regular disturbance and the overall dominance of non-native plants. Furthermore, none of these species were observed during the field survey.

Results of the database searches also revealed 25 listed or special-status wildlife species, or species proposed for listing as rare, threatened, or endangered by either the CDFW or the USFWS that have potential to occur in the BRA search area. Of these, 22 were removed from consideration due to lack of suitable habitat within or adjacent to the study, or due to the study area being outside of the species' known range.

The project study area provides potential habitat for birds of prey and migratory birds, including the burrowing owl, a California Species of Special Concern (SSC), and the state-threatened Swainson's hawk. Additionally, the project study area provides potential foraging habitat for the state-threatened and SSC tricolored blackbird and native bats, although nesting/roosting habitat is absent. Land covers on site provide poor to marginal quality habitat for these species due to regular human disturbance, surrounding development, and/or a lack of suitable microhabitat features.

None of these species were detected during the field survey, except for common and migratory birds protected by California Fish and Game Code and/or the Migratory Bird Treaty Act (MBTA). Although a small area of annual grassland would no longer be available as foraging habitat for these species following project development, these species are expected to use this parcel infrequently under existing conditions given the project study area's location within a matrix of generally unsuitable urban development. Moreover, similar or higher quality habitats are regionally abundant.

All native birds in California are protected by the federal MBTA and Section 3503.5 of the California Fish and Game Code, which specifically protects raptors. The two trees slated for removal could provide nesting habitat for native birds protected by the MBTA and the California Fish and Game Code. Destruction or other adverse impacts to active nests with eggs or chicks during construction could be considered a violation of these regulations and be considered potentially significant impacts under CEQA. Implementation of Mitigation Measure BIO-1 would ensure that no impacts would occur to nesting bird species, if present during construction. Therefore, impacts to special-status wildlife and plant species would be less-than-significant with mitigation.

The proposed project includes a gas station which could create a potential health hazard to plant or wildlife resources on the project site. However, as discussed above, the site does not contain any special-status, or protected, plant or animal species. In addition, construction and operation of the gas station would be required to comply with all federal, state and local requirements that oversee and regulate construction and operation of gas stations. Therefore, the project would not result in an additional environmental effect.

- C) As described in in Appendix B, two aquatic resources were identified within in the project study area that are within the Caltrans right-of-way. A drainage ditch flows to the southwest along the eastern and southern perimeter of the project site. This unnamed drainage ditch varies in depth and width along the perimeter of the project study area but is generally four feet deep and 20 feet wide. During the field survey, the feature was observed supporting annual grassland species consistent with the surrounding upland, but also included facultative species along its bed and banks, including perennial pepper weed, fennel, Italian rye grass, and curly dock. During the biological resource field survey, ponded water, approximately 2 inches deep, was present within the southeastern corner of the drainage at the location of a freshwater emergent wetland. Freshwater emergent wetlands are characterized by frequent flooding and can support vegetation. The project does not propose to develop impervious surface or structures within the area mapped as a freshwater emergent wetland; however, the project does include the construction of a new 12-inch storm drain line within this area. The project also involves the construction of a new driveway to and from West Stockton Boulevard which would cross an approximately 1,000 square foot portion of the drainage ditch. Therefore, the project has the potential to affect jurisdictional wetlands.

To address this potential impact, the project would implement Mitigation Measure BIO-2. This mitigation measure requires a qualified wetland scientist to delineate such resources and ensure they are not directly affected by construction activities. Mitigation Measure BIO-3 also requires, in the scenario that impacts to these resources are unavoidable, as determined by the wetland scientist, that compensatory mitigation be made at a 1:1 ratio for temporary impacts and 2:1 for permanent impacts. This mitigation measure also requires the preparation of project-specific mitigation plan which would specify the criteria and standards for compensation of potential wetland impacts. Through the implementation of these mitigation measures, potential impact to regulatory wetlands would be reduced to a less-than-significant level.

MITIGATION MEASURES

Compliance with the following mitigation measures would ensure any tree removal during nesting season would be subject to nesting bird surveys and that potentially regulated wetlands are delineated and work

impacting them is permitted accordingly. Compliance with this mitigation measure would reduce the impacts to nesting birds and potentially regulated wetlands to less than significant.

Mitigation Measure BIO-1 (Construction)

Project construction could result in impacts to nesting birds, including the loss of active nests with eggs or fledglings tree removal occurs during the nesting season (generally February 1 through August 30, depending on the species). All native migratory bird species are protected by the federal Migratory Bird Treaty Act; active nests of all birds are protected under California Fish and Game Code 3503, and individual raptors (and their active nests) are protected under 3503.5. If tree removal is slated to occur during the nesting season, a preconstruction nesting bird survey shall be conducted by a qualified biologist no sooner than 10 days prior to tree removal, construction and any ground-disturbance activities, to determine if any native birds are nesting on or immediately adjacent to the site (including a 250-foot buffer for raptors). If any active nests are observed during the survey, a suitable avoidance buffer shall be determined and flagged by the qualified biologist based on species, location, and planned construction activity. These nests shall be avoided until the chicks have fledged and the nests are no longer active, as determined by the biologist.

Mitigation Measure BIO-2 (Aquatic Resource Avoidance)

Final design of the proposed project shall avoid jurisdictional aquatic resources regulated by the U.S. Army Corps of Engineers, Regional Water Control Board, and California Department of Fish and Wildlife, to the maximum extent practicable. A qualified wetland scientist shall delineate such resources to the applicable standards of each agency before or during the early stages of project design so that they can be clearly identified on construction documents. All jurisdictional aquatic resources not directly affected by construction activities shall be avoided and protected by establishing staking, flagging or fencing between the identified construction areas and aquatic resources to be avoided.

Mitigation Measure BIO-3 (Aquatic Resource Compensation)

For any unavoidable impacts to jurisdictional aquatic resources, the City shall ensure that there is no net loss of such resources. This shall be accomplished by providing compensatory mitigation at a minimum ratio of 1:1 for temporary impacts and 2:1 for permanent impacts, or at other ratios as determined through negotiations with the regulatory agencies. A project-specific mitigation plan shall be developed for submittal to the U.S. Army Corps of Engineers, Regional Water Control Board, and/or California Department of Fish and Wildlife, as appropriate, through their respective regulatory permitting processes, and implemented. The mitigation plan shall specify the criteria and standards by which the mitigation will compensate for impacts of the proposed project and include discussion of the following:

- a) The mitigation objectives and type and amount of mitigation to be implemented;
- b) The location of the proposed mitigation site(s);
- c) The methods to be employed for mitigation implementation (jurisdictional aquatic resource establishment, re-establishment, enhancement, and/or preservation);
- d) Success criteria and a monitoring program to ensure mitigation success; and
- e) Adaptive management and remedial measures if performance standards are not achieved.

FINDINGS

All additional significant environmental effects of the proposed project relating to Biological Resources can be mitigated to a less-than-significant level.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
4. CULTURAL RESOURCES Would the project: A) Cause a substantial adverse change in the significance of a historical or archaeological resource as defined in § 15064.5?		X	
B) Directly or indirectly destroy a unique paleontological resource?		X	
C) Disturb any human remains?		X	

ENVIRONMENTAL SETTING

The City of Sacramento and the surrounding area are known to have been occupied by Native American groups for thousands of years prior to settlement by non-Native peoples. Archaeological materials, including human burials, have been found throughout the city. Human burials outside of formal cemeteries often occur in prehistoric contexts. Areas of high sensitivity for archaeological resources, as identified in the 2035 General Plan Background Report (which provides information on the existing environmental setting), are located within close proximity to the Sacramento and American rivers and other watercourses (City of Sacramento 2015).

The 2035 General Plan land use diagram designates a wide swath of land along the American River as Parks, which limits development and impacts on sensitive prehistoric resources. High sensitivity areas may be found in other areas related to the ancient flows of the rivers, with differing meanders than found today. Recent discoveries during infill construction in downtown Sacramento have shown that the downtown area is highly sensitive for both historic- and prehistoric-period archaeological resources. Native American burials and artifacts were found in 2005 during construction of the New City Hall and historic period archaeological resources are abundant downtown due to the evolving development of the area and, in part, to the raising of the surface street level in the 1860s and 1870s, which created basements out of the first floors of many buildings.

The project site is an undeveloped parcel located in a developed, urbanized area of the city. The project site is not located near any rivers, streams, water source, or any of the sensitive cultural resource areas described above.

The 2035 General Plan Background Report designates areas within the City that have the potential to have high or moderate sensitivity for archeological resources. The project site is not located within an area of high or moderate archeological sensitivity according to this report (City of Sacramento 2015).

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to cultural resources are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to cultural resources would occur if the project would:

- cause a substantial change in the significance of a historical or archaeological resource as defined in CEQA Guidelines Section 15064.5; or

- directly or indirectly destroy a unique paleontological resource; or
- a substantial adverse change in the significance of such resources.

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

The Master EIR evaluated the potential effects of development under the 2035 General Plan on prehistoric and historic resources; see Chapter 4.4. General plan policies identified as reducing such effects call for identification of resources on project sites (Policy HCR 2.1.1), implementation of applicable laws and regulations (Policy HCR 2.1.2), early consultation with owners and land developers to minimize effects (Policy HCR 2.1.10) and encouragement of adaptive reuse of historic resources (Policy HCR 2.1.14). Demolition of historic resources is deemed a last resort (Policy HCR 2.1.15).

The Master EIR concluded that implementation of the 2035 General Plan would have a significant and unavoidable effect on historic resources and archaeological resources (Impacts 4.4-1, -2).

Section 7050.5 of the California Health and Safety Code states that it is a misdemeanor to knowingly disturb a human grave. In the unlikely event that human graves are encountered on the project site, work should halt in the vicinity and the County Coroner should be notified immediately. At the same time, an archeologist should be contacted to evaluate the situation and grave. If the human remains are determined to be of Native American origin, the Coroner must contact the NAHC within 24 hours of identification.

ANSWERS TO CHECKLIST QUESTIONS

- A,B) According to Chapter 6, Environmental Resources, of the General Plan Technical Background Report, the project site is not located in area of high sensitivity for subsurface prehistoric or historic-era resources. However, it is always possible that archaeological and paleontological deposits are present at subsurface levels. Implementation of Mitigation Measure CUL-1 would reduce potential impacts to cultural and paleontological resources that may be unexpectedly discovered during project construction activities to less than significant; therefore, there would be no additional significant environmental effect.
- C) In the event human remains are unearthed during construction state law (Section 7050.5 of the California Health and Safety Code) sets forth specific protocol in the unlikely event human remains are encountered, which includes stopping work in the vicinity and the County Coroner be notified immediately. If the human remains are determined to be of Native American origin, the Coroner must contact the NAHC within 24 hours. Compliance with this existing requirement, as provided in Mitigation Measure CUL-2 would ensure any impacts to discovered human remains would be less than significant and that there would be no additional significant environmental effect.

MITIGATION MEASURES

Mitigation Measure CUL-1: In the Event that Cultural Resources Are Discovered During Construction, Implement Avoidance and Minimization Measures to Avoid Significant Impacts and Procedures to Evaluate Resources.

If cultural resources (such as structural features, unusual amounts of bone or shell, artifacts, or human remains) are encountered at the project site during construction, work shall be suspended within 100 feet of the find (based on the apparent distribution of cultural materials), and the construction contractor shall immediately notify the project's City representative. Avoidance and preservation in place is the preferred manner of mitigating impacts to cultural resources. This will be accomplished, if feasible, by several alternative means, including:

- Planning construction to avoid archaeological sites and/or other cultural resources; incorporating cultural resources within parks, green-space or other open space; covering archaeological resources; deeding a cultural resource to a permanent conservation easement; or other preservation and protection methods agreeable to consulting parties and regulatory authorities with jurisdiction over the activity.
- Recommendations for avoidance of cultural resources will be reviewed by the City representative and other appropriate agencies, in light of factors such as costs, logistics, feasibility, design, technology and social, cultural and environmental considerations, and the extent to which avoidance is consistent with project objectives. Avoidance and design alternatives may include realignment within the project site to avoid cultural resources, modification of the design to eliminate or reduce impacts to cultural resources or modification or realignment to avoid highly significant features within a cultural resource.
- If the discovered cultural resource can be avoided, the construction contractor(s), will install protective fencing outside the site boundary, including a 100-foot buffer area, before construction restarts. Use of temporary and permanent forms of protective fencing will be determined in consultation with Native American representatives from interested culturally affiliated Native American tribes.
- The construction contractor(s) will maintain the protective fencing throughout construction to avoid the site during all remaining phases of construction. The area will be demarcated as an “Environmentally Sensitive Area”.

If a cultural resource cannot be avoided, the following performance standard shall be met prior to continuance of construction and associated activities that may result in damage to or destruction of cultural resources:

- Each resource will be evaluated for California Register of Historical Resources- (CRHR) eligibility through application of established eligibility criteria (California Code of Regulations 15064.636), in consultation with consulting Native American Tribes, as applicable.

If a cultural resource is determined to be eligible for listing in the CRHR, the City will avoid damaging effects to the resource in accordance with California PRC Section 21084.3, if feasible. The City shall coordinate the investigation of the find with a qualified archaeologist (meeting the Secretary of the Interior’s Professional Qualifications Standards for Archeology) approved by the City. As part of the site investigation and resource assessment, the City and the archaeologist shall assess the significance of the find, make recommendations for further evaluation and treatment as necessary and provide proper management recommendations should potential impacts to the resources be determined by the City to be significant. A written report detailing the site assessment, coordination activities, and management recommendations shall be provided to the City representative by the qualified archaeologist. These recommendations will be documented in the project record.

Mitigation Measure CUL-2: Implement Procedures in the Event of the Inadvertent Discovery of Human Remains.

If an inadvertent discovery of human remains is made at any time during Project-related construction activities or Project planning, the City the following performance standards shall be met prior to implementing or continuing actions such as construction, which may result in damage to or destruction of human remains. In accordance with the California Health and Safety Code (HSC), if human remains are encountered during ground-disturbing activities, the City shall immediately halt potentially damaging excavation in the area of the remains and notify the Sacramento County Coroner and a professional

archaeologist to determine the nature of the remains. The Coroner is required to examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or State lands (HSC Section 7050.5[b]).

If the human remains are of historic age and are determined to be not of Native American origin, the City will follow the provisions of the HSC Section 7000 (et seq.) regarding the disinterment and removal of non-Native American human remains.

If the Coroner determines that the remains are those of a Native American, he or she must contact the Native American Heritage Commission (NAHC) by phone within 24 hours of making that determination (HSC Section 7050[c]). After the Coroner's findings have been made, the archaeologist and the NAHC-designated Most Likely Descendant (MLD), in consultation with the landowner, shall determine the ultimate treatment and disposition of the remains. The responsibilities of the City for acting upon notification of a discovery of Native American human remains are identified in California PRC Section 5097.9 et seq.

FINDINGS

All additional significant environmental effects of the proposed project relating to Cultural Resources can be mitigated to a less-than-significant level.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
5. <u>ENERGY</u> Would the project:			
A) Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy, or wasteful use of energy resources, during project construction or operation?			X
B) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			X

ENVIRONMENTAL SETTING

Sacramento Municipal Utility District (SMUD) is a community-owned and not-for-profit utility that provides electric services to 900 square miles, including most of Sacramento County. Pacific Gas and Electric (PG&E) is an inventory-owned utility that provides electric and natural gas services to approximately 16 million people within a 70,000-square-mile service area in both northern and central California. SMUD is the primary electricity supplier, and PG&E is the primary natural gas supplier for the City and the project area.

Energy demand related to the proposed project would include energy directly consumed for space heating and cooling and proposed electric facilities and lighting. Indirect energy consumption would be associated with the generation of electricity at power plants. Transportation-related energy consumption includes the use of fuels and electricity to power cars, trucks, and public transportation. Energy would also be consumed by equipment and vehicles used during project construction and routine maintenance activities.

California Green Building Standards

The energy consumption of new residential and nonresidential buildings in California is regulated by the state's Title 24, Part 6, Building Energy Efficiency Standards (California Energy Code). The California Energy Code was established by CEC in 1978 in response to a legislative mandate to create uniform building codes to reduce California's energy consumption and provide energy efficiency standards for residential and non-residential buildings. CEC updates the California Energy Code every 3 years with more stringent design requirements for reduced energy consumption, which results in the generation of fewer GHG emissions.

The 2019 California Energy Code was adopted by CEC on May 9, 2018 and applies to projects constructed after January 1, 2020. The 2019 California Energy Code is designed to move the State closer to its zero-net energy goals for new residential development. It does so by requiring all new residences to install enough renewable energy to offset all the electricity needs of each residential unit (California Code of Regulations (CCR), Title 24, Part 6, Section 150.1(c)4). CEC estimates that the combination of mandatory on-site renewable energy and prescriptively required energy efficiency standards will result in a 53 percent reduction in new residential construction as compared to the 2016 California Energy Code. Non-residential buildings are anticipated to reduce energy consumption by 30% as compared to the 2016 California Energy Code primarily through prescriptive requirements for high efficiency. The Energy Code is enforced through the local plan check and building permit process. Local government agencies may adopt and enforce additional energy standards for new buildings as reasonably necessary due to local climatologic, geologic, or topographic conditions, provided that these standards exceed those provided in the California Energy Code.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to energy are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to energy would occur if the project would:

- result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy, or wasteful use of energy resources, during project construction or operation; and/or
- conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

Structures built would be subject to Titles 20 and 24 of the California Code of Regulations, which reduce demand for electrical energy by implementing energy-efficient standards for residential and non-residential buildings. The 2035 General Plan includes policies (see 2035 General Plan Energy Resources Goal U 6.1.1) and related policies to encourage energy-efficient technology by offering rebates and other incentives to commercial and residential developers, coordination with local utility providers and recruitment of businesses that research and promote energy conservation and efficiency.

The Master EIR discussed energy conservation and relevant General Plan policies in section 6.3 (page 6-3). The discussion concluded that with implementation of the General Plan policies and energy regulation (e.g., Title 24) development allowed in the General Plan would not result in the inefficient, wasteful or unnecessary consumption of energy. See also Section 12, below, discussing impacts related to energy. The Master EIR concluded that implementation of state regulation, coordination with energy providers and implementation of general plan policies would reduce the potential impacts from construction of new energy production or transmission facilities to a less-than-significant level.

Structures built would be subject to Titles 20 and 24 of the California Code of Regulations, which reduce demand for electrical energy by implementing energy-efficient standards for residential and non-residential buildings. The 2035 General Plan includes policies (see 2035 General Plan Energy Resources Goal U 6.1.1) and related policies to encourage energy-efficient technology by offering rebates and other incentives to commercial and residential developers, coordination with local utility providers and recruitment of businesses that research and promote energy conservation and efficiency.

The Master EIR discussed energy conservation and relevant General Plan policies in Section 6.3 (page 6-3). The discussion concluded that with implementation of the General Plan policies and energy regulation (e.g., Title 24) development allowed in the General Plan would not result in the inefficient, wasteful or unnecessary consumption of energy.

The Master EIR concluded that implementation of state regulation, coordination with energy providers and implementation of General Plan policies would reduce the potential impacts from construction of new energy production or transmission facilities to a less-than-significant level.

ANSWERS TO CHECKLIST QUESTIONS

A,B) Neither federal or state law nor the State CEQA Guidelines establish thresholds that define when energy consumption is considered wasteful, inefficient and unnecessary. Compliance with CCR Title 24 Energy Efficiency Standards would result in energy-efficient buildings. However, compliance with building codes does not adequately address all potential energy impacts during construction and operation. For example, energy would be required to transport people and goods to and from the project site. If approved, construction is anticipated 8 months to clear and grade the site and construct the gas station and associated convenience store. The amount of energy required to construct and operate the project is not anticipated to exceed what the City has assumed for development of these types of uses throughout the city. Impacts would be less than significant and there would be no additional significant effect.

FINDINGS

The proposed project would have no additional project-specific environmental effects relating to Energy.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
6. <u>GEOLOGY AND SOILS</u> A) Would the project allow a project to be built that will either introduce geologic or seismic hazards by allowing the construction of the project on such a site without protection against those hazards?			X

ENVIRONMENTAL SETTING

A Geotechnical Engineering Study was prepared for the project by CMT Engineering Laboratories in August 2020 (see Appendix C). Based on the report soils present on the site consist of fill material consisting of clay, silt, and sand to depths of 6 to 12 inches below the existing ground surface (bgs). The native soils underlying the fill consist of Riverbank Formation (Qr).

The California Geologic Survey (CGS) has designated certain areas within California as potential liquefaction hazard zones. The project site is not located within a liquefaction hazard zone mapped by the CGS, and other seismically induced hazards, such as lateral spreading, should also be considered low.

During the report, groundwater was encountered at a depth of about 55 feet bgs. Saturated soils below the groundwater depths consisted of hard to very hard silt and very dense sand lenses. The report determined that because of these conditions, soils are not likely to liquefy during seismic events.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to geology and soils are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to geology and soils would occur if the project would:

- allows a project to be built that will either introduce geologic or seismic hazards by allowing the construction of the project on such a site without protection against those hazards.

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

Chapter 4.5 of the Master EIR evaluated the potential effects related to seismic hazards, underlying soil characteristics, slope stability, erosion, existing mineral resources and paleontological resources in the city. Implementation of identified policies in the 2035 General Plan reduced all effects to a less-than-significant level. Policy EC 1.1.1 requires regular review of the City's seismic and geologic safety standards, and Policy EC 1.1.2 requires geotechnical investigations for project sites to identify and respond to geologic hazards, when present.

ANSWERS TO CHECKLIST QUESTIONS

- A) The Geotechnical Engineering Study prepared by CMT Engineering Laboratories concludes that project foundations and floor slabs for the gas station and convenience store may be constructed on suitable undisturbed natural soils on site or engineered fill which extend the natural site soils. The Study also provides foundation recommendations on the basis of their project site analysis. Project construction and design would be required to comply with the recommendations set forth in the Geotechnical Engineering Study to ensure proposed development is properly supported. Adherence to geotechnical recommendations would be a requirement of the project's civil improvement plan submittal to be verified during the building permit plan check process by the Department of Utilities. Adherence to these recommendations would reduce the impact to a less-than-significant level and there would be no additional significant environmental effect.

FINDINGS

The proposed project would have no additional project-specific environmental effects relating to Geology and Soils.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
<p>7. <u>GREENHOUSE GAS EMISSIONS</u></p> <p><i>Would the proposal:</i></p> <p>A) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?</p>		X	
<p>B) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?</p>		X	

ENVIRONMENTAL SETTING

The City is located within the SVAB, which is a valley bounded by the North Coast Mountain Ranges to the west and the Northern Sierra Nevada Mountains to the east. The terrain in the valley is flat and approximately 25 feet above sea level.

Hot, dry summers and mild, rainy winters characterize the Mediterranean climate of the Sacramento Valley. Throughout the year, daily temperatures may range by 20 degrees Fahrenheit with summer highs often exceeding 100 degrees and winter lows occasionally below freezing. Average annual rainfall is about 20 inches and snowfall is very rare. Summertime temperatures are normally moderated by the presence of the “Delta breeze” that arrives through the Carquinez Strait in the evening hours.

The mountains surrounding the SVAB create a barrier to airflow, which can trap air pollutants in the valley. The highest frequency of air stagnation occurs in the autumn and early winter when large high-pressure cells lie over the valley. The lack of surface wind during these periods and the reduced vertical flow caused by less surface heating reduces the influx of outside air and allows air pollutants to become concentrated in a stable volume of air. The surface concentrations of pollutants are highest when these conditions are combined with temperature inversions that trap cooler air and pollutants near the ground.

The warmer months in the SVAB (May through October) are characterized by stagnant morning air or light winds, and the Delta breeze that arrives in the evening out of the southwest. Usually, the evening breeze transports a portion of airborne pollutants to the north and out of the Sacramento Valley. During about half of the day from July to September, however, a phenomenon called the “Schultz Eddy” prevents this from occurring. Instead of allowing the prevailing wind patterns to move north carrying the pollutants out of the valley, the Schultz Eddy causes the wind pattern to circle back south. This phenomenon exacerbates the pollution levels in the area and increases the likelihood of violating federal or state standards. The Schultz Eddy normally dissipates around noon when the Delta breeze begins.

Greenhouse Gases

Certain gases in the earth’s atmosphere, classified as greenhouse gases (GHGs), play a critical role in determining the earth’s surface temperature. GHGs are responsible for “trapping” solar radiation in the earth’s atmosphere, a phenomenon known as the greenhouse effect. Prominent GHGs contributing to the greenhouse effect are carbon dioxide (CO₂), methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. Human-caused emissions of these GHGs in excess of natural ambient concentrations are believed responsible for intensifying the greenhouse effect and leading to a trend of

unnatural warming of the earth's climate, known as global climate change or global warming. Emissions of GHGs contributing to global climate change are attributable, in large part, to human activities associated with on-road and off-road transportation, industrial/manufacturing, electricity generation by utilities and consumption by end users, residential and commercial on-site fuel usage, and agriculture and forestry. Emissions of CO₂ are, largely, byproducts of fossil fuel combustion.

The quantity of GHGs in the atmosphere responsible for climate change is not precisely known, but it is enormous. No single project alone would measurably contribute to an incremental change in the global average temperature or to global or local climates or microclimates. From the standpoint of CEQA, GHG impacts relative to global climate change are inherently cumulative.

Several regulations currently exist related to GHG emissions, predominantly Assembly Bill (AB) 32, Executive Order S-3-05, Senate Bill (SB) 32, and AB 1279. AB 32 requires that Statewide GHG emissions be reduced to 1990 levels by 2020. Executive Order S-3-05 established the GHG emission reduction target for the State to reduce to the 2000 level by 2010, the 1990 level by 2020 (AB 32), 40% below the 1990 level by 2030, and to 80% below the 1990 level by 2050 (SB 32). AB 1279 establishes a policy of the state to achieve net zero GHG emissions no later than 2045 and for statewide anthropogenic GHG emissions to be reduced to at least 85% below 1990 levels by 2045. To meet the statewide GHG emission targets, the City adopted the City of Sacramento Climate Action Plan (CAP) on February 14, 2012 to comply with AB 32. The CAP identified how the City and the broader community could reduce Sacramento's GHG emissions and included reduction targets, strategies, and specific actions. In 2015, the City of Sacramento adopted the 2035 General Plan Update. The update incorporated measures and actions from the CAP into Appendix B of the General Plan, General Plan CAP Policies and Programs, which includes citywide policies and programs that are supportive of reducing GHG emissions.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to greenhouse gas emissions are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to greenhouse gas emissions would occur if the project would:

- have a significant effect relating the GHG emissions if the project's emissions are less than or equal to 1,100 metric tons (MT) of carbon dioxide equivalent (CO₂e) per year or it fails to satisfy the requirements of the City's Climate Action Plan

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

The Master EIR found that GHG emissions that would be generated by development consistent with the 2035 General Plan would contribute to climate change on a cumulative basis. Policies of the General Plan identified in the Master EIR that would reduce construction related GHG emissions include: ER 6.1.2, ER 6.1.11 requiring coordination with SMAQMD to ensure feasible mitigation measures are incorporated to reduce GHG emissions, and ER 6.1.15. The 2035 General Plan incorporates the GHG reduction strategy of the 2012 CAP, which demonstrates compliance mechanism for achieving the City's adopted GHG reduction target of 15% below 2005 emissions by 2020. Policy ER 6.1.8 commits the City to assess and monitor performance of GHG emission reduction efforts beyond 2020, and progress toward meeting long-term GHG emission reduction goals, ER 6.1.9 also commits the City to evaluate the feasibility and effectiveness of new GHG emissions reduction measures in view of the City's longer-term GHG emissions reduction goal.

The City is currently updating its 2035 General Plan (2040 General Plan) and has also prepared a draft Climate Action & Adaptation Plan (Sacramento 2040 Project). The comment period for review of the draft 2040 Sacramento Project MEIR closed in October 2023. The draft 2040 General Plan and CAAP have not been adopted by the City but are slated to go before the City decision makers in early 2024. If the 2040

General Plan and CAAP are adopted both documents include goals, policies and Implementation Actions that would further the City's GHG reduction goals.

ANSWERS TO CHECKLIST QUESTIONS

A) **Construction**

Construction of the proposed project would also result in short-term GHG emissions, which are primarily associated with use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. CalEEMod was used to calculate the annual GHG emissions for project construction. Table 7-1, Project Estimated Annual Construction GHG Emissions, presents estimated construction emissions.

Table 7-1. Project Estimated Annual Construction GHG Emissions

Year	CO ₂	CH ₄	N ₂ O	R	CO ₂ e
	Metric Tons per Year				
2024	154.07	0.01	0.01	0.10	156.21
2025	29.71	<0.01	<0.01	0.02	30.21
<i>Pollutant Threshold</i>					<i>1,100</i>
Threshold Exceeded?					No

Notes: MT = metric tons; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; R = refrigerants; CO₂e = carbon dioxide equivalent; <0.01 = value less than reported 0.01.

Source: Appendix A.

As shown in Table 7-1, estimated annual construction related GHG emissions would be approximately 156 MT CO₂e in 2024 and 30 MT CO₂e in 2025. Therefore, construction activities would not exceed the applied threshold of 1,100 MT CO₂e per year and the impact would be less than significant.

Operation

Long-term operational emissions would occur over the life of the project. The proposed project would be considered to have a significant effect relating to operational GHG emissions if it fails to comply with the City's GHG policies. As shown in Table 7-2, the proposed project would contribute an estimated 1,504 MT of GHGs annually. However, the proposed project has committed to reducing GHG emissions. The proposed project would comply with the City's 2035 General Plan Land Use and Urban Form Designations and Development Standards and would be consistent with the allowable density standards specified in the General Plan. In addition, the project is consistent with General Plan goals supporting infill development (LU 1.1, 1.1.4, 1.1.5 and 1.1.10) and sustainable development patterns (LU 2.6.1), that all support the City's CAP. The proposed project would include two fast Charging EV Stations (Level 3) and 3 EV Spaces which would be designated for future charging infrastructure.

In addition, from the Air Quality and Land Use Handbook: A Community Health Perspective (Cal EPA, CARB 2005), the siting of gasoline stations should be separated from sensitive land uses by 50 feet or more (for gas stations with an annual throughput of 3.6 million gallons or less). The proposed gas pumps would be greater than 50 feet from any sensitive land uses. Additionally, the handbook notes on page 31 that, "A well-maintained vapor recovery system can decrease emissions of benzene by more than 90% compared to an uncontrolled facility." Further, CARB adopted the Airborne Toxic Control Measure (ATCM) for emissions of benzene from gas stations. The ATCM reflects the use of best available control technology which requires the installation of CARB-certified Phase I and II vapor recovery control equipment at all retail service stations. The ATCM is designed to reduce benzene and total hydrocarbon emissions by 95% (CARB 1988). The proposed project is required to install CARB-certified Phase I and II vapor recovery control equipment which would further reduce harmful emissions.

Table 7-2. Project Estimated Annual Operational GHG Emissions

Source	CO ₂	CH ₄	N ₂ O	R	CO _{2e}
	Metric Tons per Year				
Area	0.07	<0.01	<0.01	-	0.07
Energy	28.89	<0.01	<0.01	-	28.97
Mobile	1,318.50	0.10	0.08	2.22	1,346.00
Solid Waste	0.98	0.10	0.00	-	3.43
Water Supply and Wastewater	0.22	<0.01	<0.01	-	0.30
Refrigerants	-	-	-	125.63	125.63
				Total	1,504.40

Notes: MT = metric tons; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; R = refrigerants; CO_{2e} = carbon dioxide equivalent; <0.01 = value less than reported 0.01.

Source: Appendix A.

As shown in Table 7-2, the proposed project’s estimated annual operational GHG emissions would be approximately 1,504 MT CO_{2e}. Therefore, the proposed project would exceed the applied threshold of 1,100 MT CO_{2e} per year and the impact would be potentially significant.

B) Consistency with CARB’s Scoping Plan

The Scoping Plan (approved by CARB in 2008 and updated in 2014, 2017, and 2022) provides a framework for actions to reduce California’s GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. The Scoping Plan is not directly applicable to specific projects or cities/counties (i.e., the Scoping Plan does not require the City to adopt policies, programs, or regulations to reduce GHG emissions), nor is it intended to be used for project-level evaluations. Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions, and new regulations adopted by the state agencies outlined in the Scoping Plan result in GHG emissions reductions at the local level. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., Low Carbon Fuel Standard), among others. As a result, local jurisdictions benefit from reductions in transportation emissions rates, increases in water efficiency in the building and landscape codes, and other statewide actions that would affect a local jurisdiction’s emissions inventory from the top down.

The project would be required to adhere to the programs and regulations identified by the Scoping Plan and implemented by state, regional, and local agencies to achieve the statewide GHG reduction goals of AB 32 and SB 32, and in the future per AB 1279. For example, the project would be required to meet the CALGreen and Building Energy Efficiency Standards in effect at the time when applying for building permits. Furthermore, compliance with the City’s CAAP and General Plan includes goals, policies, and programs that would help reduce GHG emissions and therefore help achieve GHG reduction goals. Therefore, implementation of the proposed project would not obstruct implementation of the CARB Scoping Plan.

Consistency with Senate Bill 32, Assembly Bill 1279, and Executive Order S-3-05

Executive Order (EO) S-3-05 identified the following goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050. SB 32 establishes a statewide GHG emissions reduction target whereby CARB, in adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions

reductions, shall ensure that statewide GHG emissions are reduced to at least 40% below 1990 levels by December 31, 2030. AB 1279 establishes a policy of the state to achieve net zero GHG emissions no later than 2045 and for statewide anthropogenic GHG emissions to be reduced to at least 85% below 1990 levels by 2045.

Each Scoping Plan builds upon the successful framework established by the initial Scoping Plan and subsequent updates, while also identifying new, technologically feasible, and cost-effective strategies to ensure that California meets increasingly stringent GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Scoping Plan updates have continued to express optimism in meeting future year targets of 2050 and 2030, as evaluated in the 2014 and 2017 Scoping Plans (respectively), and most recently, the 2045 goal addressed in the 2022 Scoping Plan under EO B-55-18, which AB 1279 codified and expanded on.

While there are no established protocols or thresholds of significance for that future year analysis, CARB forecasted in the 2014 Scoping Plan that compliance with the current Scoping Plan would put the state on a trajectory of meeting the long-term 2050 GHG goals, although the specific path to compliance was unknown at the time (CARB 2014). The 2017 Scoping Plan outlined a strategy to achieve the 2030 GHG reduction target. The proposed scenario in the 2022 Scoping Plan lays out a path not just to carbon neutrality by 2045, but also to the 2030 GHG emissions reduction target (CARB 2022). The modeling indicates that, if the plan described in the proposed scenario is fully implemented, and done so on schedule, the state is on track to reduce its emissions to 260 MMT CO_{2e} by 2030 (CARB 2022).

The proposed project would not interfere with implementation of any of the above-described GHG reduction goals for 2030, 2045, or 2050 because the proposed project would not conflict with the City's GHG policies as previously discussed. As such, the proposed project would not conflict with any applicable plan, policy, or regulation adopted for the purposes of reducing the emissions of GHGs. The proposed project's impact would be less than significant.

MITIGATION MEASURES

Compliance with the following measures already required by SMAQMD would ensure impacts would be less than significant.

Mitigation Measure GHG-1 (Operational Emissions)

The following best management practices (BMPs) shall be implemented during project operations:

- BMP 1 – No natural gas: the project shall be designed and constructed without natural gas infrastructure.
- BMP 2 – EV Ready: The project shall meet the current CALGreen Tier 2 standards.
 - EV Capable requires the installation of “raceway” (the enclosed conduit that forms the physical pathway for electrical wiring to protect it from damage) and adequate panel capacity to accommodate future installation of a dedicated branch circuit and charging station(s).
 - EV Ready requires all EV Capable improvements plus installation of dedicated branch circuit(s) (electrical pre-wiring), circuit breakers, and other electrical components, including a receptacle (240-volt outlet) or blank cover needed to support future installation of one or more charging stations.
- BMP 3 – Retail projects: The project shall achieve a no net increase in total vehicle miles traveled (VMT) to show consistency with SB 743.

FINDINGS

All additional significant environmental effects of the proposed project relating to GHGs can be mitigated to a less-than-significant level.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
8. <u>HAZARDS</u> Would the project: A) Expose people (e.g., residents, pedestrians, construction workers) to existing contaminated soil during construction activities?			X
B) Expose people (e.g., residents, pedestrians, construction workers) to asbestos-containing materials or other hazardous materials?			X
C) Expose people (e.g., residents, pedestrians, construction workers) to existing contaminated groundwater during dewatering activities?			X

ENVIRONMENTAL SETTING

A Phase 1 Environmental Site Assessment (ESA) was prepared for the project by Cardno, Inc, in July 2020 (see Appendix D). Based on the report the site has remained as undeveloped vacant land since 1994 based on aerial photographs, interviews, topographic maps, and on-site observations. A review of federal, state, and tribal environmental regulatory databases and site reconnaissance visit did not reveal evidence of recognized environmental conditions (RECs) in connection with the subject property. The ESA therefore did not recommend any further action or investigation.

Federal and state regulations adopted by the SMAQMD apply to the identification and treatment of hazardous materials during demolition and construction activities. Failure to comply with these regulations respecting asbestos may result in a Notice of Violation being issued by the District and civil penalties under state and/or federal law, in addition to possible action by U.S. EPA under federal law.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to hazards are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to hazards would occur if the project would:

- expose people (e.g., residents, pedestrians, construction workers) to existing contaminated soil during construction activities;
- expose people (e.g., residents, pedestrians, construction workers) to asbestos-containing materials or other hazardous materials; or
- expose people (e.g., residents, pedestrians, construction workers) to existing contaminated groundwater during dewatering activities.

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

The Master EIR evaluated effects of development on hazardous materials, emergency response and aircraft crash hazards; see Chapter 4.6. Implementation of the General Plan may result in the exposure of people to hazards and hazardous materials during construction activities, and exposure of people to hazards and hazardous materials during the life of the General Plan. Impacts identified related to construction activities and operations were found to be less than significant. Policies included in the 2035 General Plan, including PHS 3.1.1 (investigation of sites for contamination) and PHS 3.1.2 (preparation of hazardous materials actions plans when appropriate) were effective in reducing the identified impacts to less-than-significant levels.

ANSWERS TO CHECKLIST QUESTIONS

A) As discussed above, the Phase 1 ESA prepared for the project site did not identify any recognized, controlled, or historical RECs. The ESA also did not test for or identify other environmental conditions (such as asbestos-containing material, radon, lead, mold, and vapor encroachment) on site because of the undeveloped nature and history of the project site. Because no RECs were identified in the project ESA, the project would not expose people to contaminated soil during construction activities. There would be a less than significant impact and no additional significant environmental effect.

B,C) The project site is vacant so no buildings that could potentially include asbestos-containing materials or other environmental conditions listed above would be present and/or need to be removed. Construction of the project would not expose residents, pedestrians, construction workers) to asbestos-containing materials or other hazardous materials.

Per the Geotechnical Survey groundwater was encountered 55 feet bgs. Excavation activities to install the underground storage tank to store fuel are anticipated to be at a maximum depth of 12 feet. Therefore, excavation activities are not anticipated to require dewatering activities. Therefore, the project does not have the potential to expose construction workers to potential existing contaminated groundwater. These impacts would be less than significant and there would be no additional significant environmental effect.

FINDINGS

The proposed project would have no additional project-specific environmental effects relating to Hazards.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
<p>9. <u>HYDROLOGY AND WATER QUALITY</u> Would the project:</p> <p>A) Substantially degrade water quality and violate any water quality objectives set by the State Water Resources Control Board, due to increases in sediments and other contaminants generated by construction and/or development of the project?</p>			X

B) Substantially increase the exposure of people and/or property to the risk of injury and damage in the event of a 100-year flood?			X
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ENVIRONMENTAL SETTING

The Federal Emergency Management Agency (FEMA) publishes Flood Insurance Rate Maps (FIRM) that delineates flood hazard zones for communities. According to the current FEMA flood maps, the project site is located in an area designated Zone X which means the site is generally protected from a 100-year flood event (FEMA 2018). Zone X flood risk is typically considered low hazard, usually between the limits of a 100- year and 500-year flood event. FEMA does not have building regulations for development in areas designated Zone X and would not require mandatory flood insurance for structures within this zone.

Sources of hydrology in the project area include precipitation and runoff from the surrounding areas. There is existing storm drainage infrastructure in the project area located in adjacent roadways. There are no creeks, wetlands, or other hydrologic features located with the project’s footprint. An existing drainage swale within a Caltrans right-of-way is located along the southern and eastern boundaries of the site that would not be developed. Stormwater is currently absorbed on site.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to hydrology and water quality are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to hydrology would occur if the project would:

- substantially degrade water quality and violate any water quality objectives set by the State Water Resources Control Board, due to increases in sediments and other contaminants generated by construction and/or development of the project; or
- substantially increase the exposure of people and/or property to the risk of injury and damage in the event of a 100-year flood.

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

Chapter 4.7 of the Master EIR evaluates the potential effects of the 2035 General Plan as they relate to surface water, groundwater, flooding, stormwater and water quality. Potential effects include water quality degradation due to construction activities (Impacts 4.7-1, 4.7-2), and exposure of people to flood risks (Impacts 4.7-3). Policies included in the 2035 General Plan, including a directive for regional cooperation (Policies ER 1.1.2, EC 2.1.1), comprehensive flood management (Policy EC 2.1.23), and construction of adequate drainage facilities with new development (Policy ER 1.1.1 to ER 1.1.10) were identified that the Master EIR concluded would reduce all impacts to a less-than-significant level.

ANSWERS TO CHECKLIST QUESTIONS

- A) The proposed project includes a convenience store, gas station, surface parking, and landscaping on a 2.02-acre area. Development of the site would convert natural vegetated groundcover to paved impervious surfaces; the project would lead to 1.19 acres of new impervious surface. This could alter existing drainage patterns, site infiltration rates, and the rate of surface runoff. Sacramento City Code Section 13.08.145 addresses mitigation of drainage impacts and requires that when new development contributes runoff into the City’s storm drain system, all storm water and surface runoff drainage resulting from development must demonstrate it does not affect the function

of the storm drain system, and that there is no increase in flooding or in water surface elevation that adversely affects individuals, streets, structures, infrastructure, or property.

Storm water would be collected and treated onsite via a 4,108 square foot bioretention area along the southeast portion of the site. Storm water would be collected from new impervious surface and conveyed via new 12-inch diameter storm drain lines through this bioorientation area and then conveyed into existing storm drain system within the Caltrans owned drainage swale running along the southerly and easterly sides of the project site. Storm water infrastructure serving the project site has been sized to accommodate projected development. The City operates under a Phase I National Pollutant Discharge Elimination System (NPDES) permit, which requires developers to include water quality and watershed protection measures for all development projects (City of Sacramento 2014). The City implements a comprehensive Storm Water Quality Improvement Plan (SQIP) to ensure compliance with its NPDES permit. The SQIP contains provisions for construction of storm water control and post-construction storm water control for new development. These include storm water quality treatment and/or best management practices (BMPs) that are required to be implemented in the project design phase. The project is also subject to the City's onsite treatment, Low Impact Development (LID), and Hydromodification Management Plan (HMP) requirements; and would also be required to implement source control measures and certified full capture trash devices pursuant to the Sacramento Region Stormwater Quality Design Manual (City of Sacramento 2018a).

Site grading and excavation and construction activities would create the potential to degrade water quality from increased sedimentation and increased storm water runoff. Construction projects that involve disturbance of over one acre of land are required by law to seek coverage under the NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Construction General Permit, SWRCB Order No. 2010-0014-DWQ / NPDES No. CAS0085324, Order R5-2016-0040 as amended). To comply with this permit, construction projects disturbing over one acre must prepare a Storm Water Pollution Prevention Plan (SWPPP), which specifies BMPs to reduce the contribution of sediments, spilled and leaked liquids from construction equipment, and other construction-related pollutants to storm water runoff. The project would be required to submit all permit registration documents (including the SWPPP) to the State Water Resources Control Board, obtain a waste discharge identification number as certification of coverage, and implement the SWPPP during construction activities. The SWPPP identifies which structural and nonstructural BMPs would be implemented, such as sandbag barriers, dust controls, perimeter controls, drain inlet protection, proper construction site housekeeping practices, and construction worker training.

After construction, the project would be required to use source control, runoff reduction, and treatment control measures set forth in the Storm Water Quality Design Manual for the Sacramento Region, if required. These include storm water treatment measures, such as swales, filter strips, media filters and infiltration, and spill prevention and cleanup measures. Furthermore, the City's Land Grading and Erosion Control Ordinance and Storm Water Management and Discharge Control Code include requirements for reducing storm water pollutants. Furthermore, according to City Council Resolution #92-439, all groundwater discharges to the Combined or Separated Sewer and/or drainage systems are required to be regulated and monitored by City's Department of Utilities. The proposed project would comply with the City's SQIP and Storm Water Quality Design Manual, and all other applicable regulations; therefore, it would result in a less-than-significant impact with regard to increase in sediments due to storm water runoff and water quality.

- B) The proposed project would not be located within a 100-year flood hazard area, as designated by FEMA (FEMA 2018). The project site is within an area designated Zone X, which allows for building construction. The proposed project would not place housing or structures within 100-year flood hazard areas and would not expose people or structures to risks associated with flooding. Therefore, impacts due to flooding would be less than significant.

FINDINGS

The proposed project would have no additional project-specific environmental effects relating to Hydrology and Water Quality.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
10. <u>NOISE</u>			
Would the project:			
A) Result in exterior noise levels in the project area that are above the upper value of the normally acceptable category for various land uses due to the project's noise level increases?			X
B) Result in residential interior noise levels of 45 dBA L _{dn} or greater caused by noise level increases due to the project?			X
C) Result in construction noise levels that exceed the standards in the City of Sacramento general plan or Noise Ordinance?			X
D) Permit existing and/or planned residential and commercial areas to be exposed to vibration-peak-particle velocities greater than 0.5 inches per second due to project construction?			X
E) Permit adjacent residential and commercial areas to be exposed to vibration peak particle velocities greater than 0.5 inches per second due to highway traffic and rail operations?			X
F) Permit historic buildings and archaeological sites to be exposed to vibration-peak-particle velocities greater than 0.2 inches per second due to project construction and highway traffic?			X

ENVIRONMENTAL SETTING

The project site is near a major state highway interchange connecting SR-99 with Sheldon Road and West Stockton Boulevard. Consequently, the outdoor ambient noise environment is characterized by dominant roadway traffic sound, and at estimated levels of at least 70 energy average of A-weighted decibels occurring over a 24-hour period (dBA L_{dn}) as indicated by the current general plans of both the City of Sacramento (City of Sacramento 2015) and the City of Elk Grove (City of Elk Grove 2022). The project site is not within an Airport Influence Area for the Sacramento Metropolitan Airport or Executive Airport.

The 2035 General Plan specifies that single-family residential areas have an acceptable noise level of 60 dBA

and multi-family residential areas have an acceptable noise level of 65 dBA (City of Sacramento 2015). The City's noise ordinance specifies that exterior noise limits within residential areas shall not exceed 55 dBA within the hours between 7 a.m. and 10 p.m. and 50 dBA between 10:00 p.m. and 7:00 a.m. (City Code Section 8.68.060(A)).

It is generally accepted that the average healthy ear can barely perceive a noise level change of 3 dB (Caltrans 2013). A change of 5 dBA is readily perceptible, and a change of 10 dBA is perceived as twice or half as loud. A doubling of sound energy results in a 3 dBA increase in sound, which means that a doubling of sound energy (e.g., doubling the average daily numbers of traffic on a road) would result in a barely perceptible change in sound level.

A Noise and Vibration Technical Memorandum was prepared for the project by Dudek in November 2023 (Appendix E). This memorandum provides a noise and vibration study to evaluate the existing outdoor ambient sound environment and predict potential environmental noise and vibration impacts from the proposed project to the surrounding communities within the City of Sacramento and the City of Elk Grove.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to noise are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to noise would occur if the project would:

- result in exterior noise levels in the project area that are above the upper value of the normally acceptable category for various land uses due to the project's noise level increase;
- result in residential interior noise levels of 45 dBA L_{dn} or greater caused by noise level increases due to the project;
- result in construction noise levels that exceed the standards in the City of Sacramento Noise Ordinance;
- permit existing and/or planned residential and commercial areas to be exposed to vibration-peak-particle velocities greater than 0.5 inches per second due to project construction;
- permit adjacent residential and commercial areas to be exposed to vibration peak particle velocities greater than 0.5 inches per second due to highway traffic and rail operations; or
- permit historic buildings and archaeological sites to be exposed to vibration-peak-particle velocities greater than 0.2 inches per second due to project construction and highway traffic.

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

The Master EIR evaluated the potential for development under the 2035 General Plan to increase noise levels in the community. New noise sources include vehicular traffic, aircraft, railways, light rail and stationary sources. The General Plan policies establish exterior (Policy EC 3.1.1) and interior (Policy EC 3.1.3) noise standards. A variety of policies provide standards for the types of development envisioned in the General Plan. See Policy EC 3.1.8, which requires new mixed-use, commercial and industrial development to mitigate the effects of noise from operations on adjoining sensitive land use, and Policy 3.1.9, which calls for the City to limit hours of operations for parks and active recreation areas to minimize disturbance to nearby residences. Notwithstanding application of the General Plan policies, noise impacts for exterior noise levels (Impact 4.8-1) and interior noise levels (Impact 4.8-2), and vibration impacts (Impact 4.8-4) were found to be significant and unavoidable.

ANSWERS TO CHECKLIST QUESTIONS

A-D) **Construction**

Project construction would create noise from the use of construction equipment and vehicles. Temporary construction activities would use conventional construction techniques and equipment that would not generate substantial levels of vibration or groundborne noise. Construction activities would include site clearing and tree removal, grading, and construction of the convenience store and gas station along with sidewalks, installation of utilities, landscaping, and road improvements. Short-term, construction-related noise effects attributed to implementation of the project were assessed in Appendix E with respect to nearby noise-sensitive receptors and their relative exposure (accounting for intervening, barriers, distance, etc.), based on application of a Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) emulator and its reference noise level data and acoustical usage-factors (AUF). The AUF value refers to what portion of time that a piece of heavy equipment is actually working under full load conditions and thus emitting noise at a maximum noise level (L_{max}). All predicted construction noise levels, per phase and at the indicated sample nearest noise-sensitive receptor, are expected to be less than the FTA-based guidance criterion of 80 dBA 8-hour Leq and are comparable to or less than the outdoor daytime ambient noise levels due to the acoustical dominance of pre-existing proximate roadway traffic. Noise from construction would be temporary and would comply with the City's Noise Ordinance that permits construction to occur between the hours of 7:00 a.m. and 6:00 p.m., Monday through Saturday, and between 9:00 a.m. and 6:00 p.m. on Sundays. On these bases, environmental noise attributed to construction activity would be considered a less-than-significant impact.

Operation

As described in Appendix E, noise emission from onsite project sound sources that include the convenience store rooftop HVAC unit(s), parking lot movements, and fuel dispenser pumps would be less than 40 dBA hourly Leq at the nearest offsite residential receptors. The predicted level at a representative receptor location at the San Joaquin Cemetery to the east of West Stockton Boulevard would experience project operation noise less than 45 dBA hourly Leq. Based on these predicted levels being less than the nighttime City of Elk Grove threshold of 45 dBA, project operational noise would be a less-than-significant impact.

- E,F) There are no historic buildings or known archeological resources near or on the project site that could be adversely impacted due to vibration-related project construction or operation. According to the Noise and Vibration technical memorandum, this predicted worst-case groundborne vibration level does not surpass either the Caltrans guidance-based limit of 0.2 inches per second peak particle velocity (ips PPV) for annoyance or the 0.3 ips PPV for building damage risk to older residential structures. On these bases, the impact significance attributed to project construction activity on vibration is considered less than significant.

Once operational, the proposed project would not be expected to feature major producers of groundborne vibration. Anticipated mechanical systems like HVAC units are designed and manufactured to feature rotating (fans, motors) and reciprocating (compressors) components that are well-balanced with isolated vibration within or external to the equipment casings. On this basis, potential vibration impacts due to proposed project operation would be less than significant.

FINDINGS

The proposed project would have no additional project-specific environmental effects relating to Noise.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
<p>11. <u>PUBLIC SERVICES</u></p> <p>Would the project result in the need for new or altered services related to fire protection, police protection, school facilities, or other governmental services beyond what was anticipated in the 2035 General Plan?</p>			X

ENVIRONMENTAL SETTING

The closest fire station to the project site is Cosumnes Community Services District Fire Station #76 located at 8545 Sheldon Road in the City of Elk Grove, approximately 0.83 miles to the east of the project site. The next closest fire station is the Sacramento Metro Fire District Station #51 at 8210 Meadowhaven Drive in the city, approximately 1.47 miles north of the project site.

The project site is located within District 5 of the City's police department and would be served by the Joseph E. Rooney Police Facility located at 5303 Franklin Boulevard.

The closest school to the project site is Irene B. West Elementary School located at 8625 Serio Way, approximately 0.42 miles northwest of the project site.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to public services are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to public services would occur if the project would:

- need for new or altered services related to fire protection, police protection, school facilities, or other governmental services beyond what was anticipated in the 2035 General Plan.

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

The Master EIR evaluated the potential effects of the 2035 General Plan on various public services. These include police, fire protection, schools, libraries and emergency services (Chapter 4.10).

The General Plan provides that adequate staffing levels for police and fire are important for the long-term health, safety and well-being of the community (Goal PHS 1.1, PHS 2.1). The Master EIR concluded that effects of development that could occur under the General Plan would be less than significant.

General Plan policies that call for the City to consider impacts of new development on schools (see, for example, Policy ERC 1.1.2 setting forth locational criteria, and Policy ERC 1.1.4 that encourages joint-use development of facilities) reduce impacts on schools to a less-than-significant level (Impacts 4.10-3, -4). Impacts on library facilities were considered less than significant (Impact 4.10-5).

ANSWERS TO CHECKLIST QUESTIONS

- A) The proposed project includes a gas station, convenience store, and surface parking in an urbanized area of the city. The project does not include any new housing that could generate an increase in students or demand for other governmental services. The project would increase demand for police and fire services; however, this increase is not anticipated to exceed what was forecasted under the City’s General Plan buildout. The project would not require the need for new or altered public services related to fire protection, police protection, school facilities, or other governmental services beyond what was anticipated in the 2035 General Plan. Therefore, the impact is less than significant, and the project would not create an additional significant environmental effect.

FINDINGS

The proposed project would have no additional project-specific environmental effects relating to Public Services.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
12. <u>RECREATION</u> Would the project: A) Cause or accelerate substantial physical deterioration of existing area parks or recreational facilities?			X
B) Create a need for construction or expansion of recreational facilities beyond what was anticipated in the 2035 General Plan?			X

ENVIRONMENTAL SETTING

The project site is on a vacant undeveloped parcel with no existing park features or recreational facilities. The project proposes a new gas station, convenience store, and surface parking. The City’s Department of Youth, Parks and Community Enrichment (YPCE) maintains parks and recreational facilities within the City. The Department of YPCE classifies parks according to three distinct types: (1) neighborhood parks; (2) community parks; and, (3) regional parks. Neighborhood parks are typically less than ten acres in size and are intended to be used primarily by residents within a half-mile radius. Community Parks are generally 10 to 60 acres and serve an area of approximately two to three miles, encompassing several neighborhoods and meeting the requirements of a large portion of the City. Regional parks are larger in size and are developed with a wide range of improvements not usually found in local neighborhood and community parks. As noted in the City’s 2035 General Plan Background Report, the City currently contains over 230 developed and undeveloped park sites, 88 miles of road bikeways and trails, 21 lakes/ponds or beaches, 27 aquatic facilities, and extensive recreation facilities in the City parks.

There are five parks within one mile of the project site: Jacinto Creek Park, Jacinto Creek Parkway, and North Laguna Creek Wildlife Area in the City of Sacramento, and Pinkerton Park and Lombardi Park in the City of Elk Grove.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to recreation are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to recreation would occur

if the project would:

- cause or accelerate substantial physical deterioration of existing area parks or recreational facilities; or
- create a need for construction or expansion of recreational facilities beyond what was anticipated in the 2035 General Plan.

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

Chapter 4.9 of the Master EIR considered the effects of the 2035 General Plan on the City's existing parkland, urban forest, recreational facilities and recreational services. The General Plan identified a goal of providing an integrated park and recreation system in the city (Goal ERC 2.1). Non-residential development employees are expected to use park facilities at a lesser rate than residents. Within areas of the city not including the Central City, workers are not expected to use Neighborhood parks (which are typically designed to serve local residents only) but are expected to use Community and Citywide parks and facilities about 20% as much as local residents (PIF Nexus Study 2017). Impacts were considered less than significant after application of these policies.

ANSWERS TO CHECKLIST QUESTIONS

A,B) The project proposes commercial uses; no new residential uses are proposed so the project would not create a new population requiring recreation facilities. Because the proposed project is non-residential, the project would not create a need for construction or expansion of recreational facilities. In accordance with Section 18.56.220 of the Municipal Code, a park impact fee is imposed on non-residential developments. Payment of the fee would provide funding for future parks and park improvements and would ensure that a less-than-significant impact related to recreation would occur.

FINDINGS

The proposed project would have no additional project-specific environmental effects relating to Recreation.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
<p>13. <u>TRANSPORTATION AND CIRCULATION</u> Would the project:</p> <p>A) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadways, bicycle, and pedestrian facilities?</p> <p>B) Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?</p> <p>C) Substantially increase hazards due to a geometric design feature (e.g. sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?</p>			<p>X</p> <p>X</p> <p>X</p>

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
D) Result in inadequate emergency access?			X

ENVIRONMENTAL SETTING

The project site is located on a vacant parcel at the northwest corner of the Sheldon Road and West Stockton Boulevard. In March 2022, Fehr and Peers, transportation consultants prepared Transportation Memorandum (study) which reviewed the project’s potential to conflict with the City’s policies that address trip generation, site access, and driveway corner site distance for the proposed project (see Appendix F). As described in the study, along the project site frontage (west of West Stockton Boulevard), Sheldon Road is a six-lane arterial road with a posted speed limit of 40 miles per hour (mph). Sheldon Road extends to SR 99 and City of Elk Grove to the east and the City to the west. Also, along the project site frontage, West Stockton Boulevard is a two-lane roadway that with a posted speed limit of 45 mph; surveys conducted in 2021 indicated that the 85th percentile speed is 50 mph for southbound traffic within the vicinity of the project site. West Stockton Boulevard extends to the City of Elk Grove to the south and to the City of Sacramento to the north.

The nearest bus stop is approximately 700 feet west of the project site along Sheldon Road and Lewis Stein Road serviced by the City of Elk Grove Transit (e-tran). Sacramento Regional Transit (SacRT) also operates transit service within the project site vicinity that are accessible via e-tran. SacRT Blue Line light rail service is available at Cosumnes River College approximately 1.2 miles northwest of the project site, providing light rail connections to downtown Sacramento and the City of Folsom.

There is a separated sidewalk along the project frontage on Sheldon Road and West Stockton Boulevard. The Sheldon Road/West Stockton Boulevard intersection provides marked crosswalks on the north, west, and south legs of the intersection. Class II bike lanes are provided in both (east and west) directions on Sheldon Road.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to transportation and circulation are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to transportation would occur if the project would:

- conflict with a program, plan, ordinance or policy addressing transit, bicycle, and pedestrian facilities; or
- conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b).

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

Transportation and circulation were discussed in the Master EIR in Chapter 4.12. Various modes of travel were included in the analysis, including vehicular, transit, bicycle, pedestrian and aviation components. Provisions of the 2035 General Plan that provide substantial guidance include Mobility Goal 1.1, calling for a transportation system that is effectively planned, managed, operated and maintained, promotion of multimodal choices (Policy M 1.2.1), support for state highway expansion and management consistent with the Sacramento Area Council of Governments Metropolitan Transportation Plan/Sustainable Communities Strategy (SACOG MTP/SCS) (Policy M 1.5.6), and development that encourages walking and biking (Policy LU 4.2.1).

While the General Plan includes numerous policies that direct the development of the City's transportation system, the Master EIR concluded that the General Plan development would result in significant and unavoidable effects. See Impacts 4.12-3 (roadway segments in adjacent communities, and Impact 4.12-4 (freeway segments).

In 2013, Senate Bill (SB) 743 was signed into law. SB 743 intends to promote the state's goals of encouraging infill development, alternative transportation, and reduced greenhouse gas (GHG) emissions. To promote these goals SB 743 directed the Governor's Office of Planning and Research (OPR) to consider new methods of evaluating transportation impacts under CEQA as an alternative to existing measures of congestion and delay (typically expressed as level-of-service). As a result of SB 743, the CEQA Guidelines were revised to identify vehicle miles traveled (VMT) as the most appropriate metric to evaluate a project's transportation impacts, effective July 1, 2020. To address a project's potential to increase VMT, the City is in the process of drafting a VMT threshold to evaluate project impacts. The City is also in the process of updating its Circulation Element to include goals and policies that address reducing in city-wide VMT.

OPR published its Technical Advisory on Evaluating Transportation Impacts in CEQA, December 2018. The Technical Advisory provides guidance on projects that can be screened out from VMT analysis (OPR 2018). This includes local-serving retail projects that are less than 50,000 square feet. The proposed project would be considered local-serving retail, so it is not required to evaluate VMT.

ANSWERS TO CHECKLIST QUESTIONS

- A) The proposed project is a commercial development that is located in an area that is not particularly conducive to bicycle or pedestrian modes of transit due to high traffic volumes roadways and traffic speeds, proximity to SR 99, and large swathes of urban development. However, the project does include a bike rack and long-term bike storage in front of the convenience store and there are existing sidewalks along the project street frontages; Class II bike lanes are also along Sheldon Road in both east and west directions. Road widening for Sheldon Road and West Stockton Boulevard would be required by the City. Widening for a deceleration lane to the proposed driveway including new curb, gutter and sidewalk are required for Sheldon Road. The project includes the construction of a concrete median at the center of West Stockton Boulevard to restrict the project's driveway to right-in/right-out movement only. Driveway construction would also involve the installation of two new culverts within a drainage swale along Sheldon Road and West Stockton Boulevard. Per the recommendations by Fehr and Peers (Appendix F), the project also proposes to construct a direct pedestrian connection between the on-site convenience store and the sidewalk on the northerly side of Sheldon Road. The project also proposes, at the Sheldon Road driveway, to install high visibility conflict markings along the length of the bike lane between the westbound through travel lanes and the right- turn deceleration lane. These project components would improve pedestrian and bicycle access. Therefore, the project does not propose any uses or construction that would potentially conflict with an existing City program plan, ordinance or policy that addresses circulation system, including access to transit, bicycle, and pedestrian facilities. The project impact would be less than significant and would not create an additional significant environmental effect.
- B) The proposed project would be classified as local-serving retail because it does not involve a store that exceeds 50,000 square feet. The 2018 OPR Technical Advisory identifies local-serving retail uses as not having to evaluate VMT. Therefore, the proposed project is not subject to VMT analysis and is consistent with Section 15064.3(b) of the CEQA Guidelines' there would be no impact.
- C,D) The proposed project has been designed to ensure adequate ingress and egress is available to safely permit access to the site. As discussed in Appendix F, Fehr and Peers made the following recommendations to improve project site access, which were subsequently incorporated into the current project plans:
- Construct a westbound right-turn deceleration lane at the approach to the project's Sheldon Road driveway.

- Construct a center median on West Stockton Boulevard that would restrict the project's driveway to right-in/right-out movement only.
- Keep the Sheldon Road and West Stockton Boulevard landscaping strips and the West Stockton Boulevard center median clear of vegetation or other objects with a height in excess of six inches.
- Design the West Stockton Boulevard project driveway to provide right- in/right-out only access. This should be accomplished by extending the existing raised median on the north leg of the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection north beyond the northerly edge of the proposed West Stockton Boulevard project driveway and by installing "Right Turn Only" signage for vehicles exiting the driveway.

Through the implementation of these recommendations, the project would not include any unusual design features that could create a potentially hazardous situation, nor does the project include or incompatible uses. In addition, the project site in the event of an emergency there are two driveways to safely exit the site. The project impact would be less than significant and would not create an additional significant environmental effect.

FINDINGS

The proposed project would have no additional project-specific environmental effects relating to Transportation and Circulation.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
<p>14. <u>TRIBAL CULTURAL RESOURCES</u></p> <p>Would the project:</p> <p>A) Cause a substantial adverse change in the significance of a tribal cultural resource, as defined in Public Resources Code 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe and that is:</p> <p>i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources code section 5020.1(k) or</p>		X	
<p>ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.</p>		X	

ENVIRONMENTAL SETTING

The City of Sacramento and the surrounding area are known to have been occupied by Native American groups for thousands of years prior to settlement by non-Native peoples. Archaeological materials, including human burials, have been found throughout the city. Human burials outside of formal cemeteries often occur in prehistoric contexts. Areas of high sensitivity for tribal cultural resources are located within close proximity to the Sacramento and American Rivers and other watercourses. High sensitivity areas can be found in other areas related to the ancient flows of the rivers, with differing meanders than found today, and recent discoveries during infill construction in downtown Sacramento have shown that the downtown area is highly sensitive for both historic- and prehistoric-period archaeological resources, including Native American burials.

Data Sources/Methodology

Under Public Resources Code (PRC) Section 21080.3.1 and 21082.3, the City must consult with tribes traditionally and culturally affiliated with the project area that have requested formal notification and responded with a request for consultation. The parties must consult in good faith. Consultation is deemed concluded when the parties agree to measures to mitigate or avoid a significant effect on a tribal cultural resource when one is present or when a party concludes that mutual agreement cannot be reached. Mitigation measures agreed on during the consultation process must be recommended for inclusion in the environmental document.

Native American Consultation

Consistent with Policy HCR 2.1.3 of the City's General Plan, the City sent letters to those California Native American Tribal representatives that have requested consultation notification of the proposed project pursuant to AB 52 and that are on file with the NAHC as being traditionally or culturally affiliated with the geographic area. A project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment (Pub. Resources Code, Section 21084.2). Under AB 52 a tribal cultural resource must have tangible, geographically defined properties that can be impacted by project implementation.

On September 30, 2021, formal invitations to participate in Assembly Bill (AB52) consultation on the proposed project were sent by the City to the tribal representation that have previously requested to receive notification pursuant to Public Resources Code Section 21080.3.1 (AB52). These tribes include:

- United Auburn Indian Community
- Wilton Rancheria
- Shingle Springs Band of Mi-Wuk Indians
- Buena Vista Rancheria of Me-Wuk Indians

The United Auburn Indian Community provided a response pursuant to AB52 consultation on October 6, 2021, and closed consultation, ultimately declining to consult on the project with the inclusion of the unanticipated discoveries mitigation measure. No response was received from Wilton Rancheria, the Shingle Springs Band of Mi-Wuk Indians, or the Buena Vista Rancheria of Me-Wuk Indians within 30 calendar days of the request for formal invitation under AB52.

State Requirements

CEQA requires that public agencies that finance or approve public or private projects must assess the effects of the project on tribal cultural resources. Tribal cultural resources are defined in PRC 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe that is (1) listed or determined eligible for listing on the California Register of Historical Resources (CRHR) or a local register, or (2) that are determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1. In applying the criteria set forth in subdivision (c) of

PRC Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American Tribe.

California PRC Section 5024.1 establishes the CRHR, which is the authoritative guide for identifying the State's historical resources to indicate what properties are to be protected, if feasible, from substantial adverse change. For a resource to be eligible for the CRHR, it must be more than 50 years old, retain its historic integrity, and satisfy one or more of the following criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. Is associated with the lives of persons important in our past.
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
4. Has yielded, or may be likely to yield, information important in prehistory or history.

STANDARDS OF SIGNIFICANCE

For the purposes of this IS, a tribal cultural resource is considered to be a significant resource if the resource is: (1) listed or eligible for listing in the California Register of Historical Resources or in a local register of historical resources; or (2) the resource has been determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1.

The significance criteria used to evaluate the project impacts to tribal cultural resources are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to tribal cultural resources would occur if the project would:

- cause a substantial change in the significance of a tribal cultural resource as defined in Public Resources Code 21074.

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

The Master EIR evaluated the potential effects of development under the 2035 General Plan on prehistoric and historic resources (see Master EIR Chapter 4.4 and Background Report) but did not specifically address tribal cultural resources because that resource type had not yet been defined in CEQA at the time the Master EIR was adopted. The Master EIR identified significant and unavoidable effects on historic resources and archaeological resources, some of which could be tribal cultural resources as defined Public Resources Code 21074. Ground-disturbing activities resulting from implementation of development under the 2035 General Plan could affect the integrity of an archaeological site (which may be a tribal cultural resource), thereby causing a substantial change in the significance of the resource. General Plan policies identified as reducing such effects on cultural resources that may also be tribal cultural resources include identification of resources on project sites (Policy HCR 2.1.1); implementation of applicable laws and regulations (Policy HCR 2.1.2); consultation with appropriate organizations and individuals including the Native American Heritage Commission and implementation of their consultation guidelines (Policy HCR 2.1.3); enforcement programs to promote the maintenance, rehabilitation, preservation, and interpretation of the City's historic resources (Policy HCR 2.1.4); listing of qualified historic resources under appropriate national, State, and local registers (Policy HCR 2.1.5); consideration of historic and cultural resources in planning studies (Policy HCR 2.1.6); enforcement of compliance with local, State, and federal historic and cultural preservation requirements (Policy HCR 2.1.8); and early consultation with owners and land developers to minimize effects (Policy HCR 2.1.10).

Of particular relevance to this project are policies that ensure compliance with protocol that protect or mitigate impacts to archaeological resources (Policy HCR 2.1.16) and that encourage preservation and minimization of impacts on cultural resources (Policy HCR 2.1.17).

ANSWERS TO CHECKLIST QUESTIONS

- A) Through the consultation process, no Tribe indicated the potential for TCRs to be present; however, it is viewed that the proposed project site could be considered culturally sensitive. Therefore, it is possible that undiscovered tribal cultural resources could be encountered or damaged during ground-disturbing construction activities. Because the project site could contain unknown tribal cultural resources (TCRs), should a TCR be identified that may be impacted, appropriate steps for management would be taken as determined by the City. Mitigation measure TCR-1(a) through TCR-1(b) provides specific steps to be taken in the event that unanticipated TCRs, including those of Native American origin, are encountered during project construction. With this mitigation implemented, the potential for impacts to tribal cultural resources would be less than significant.

MITIGATION MEASURES

Mitigation Measure TCR-1a: In the Event that Cultural Resources or Tribal Cultural Resources Are Discovered During Construction, Implement Avoidance and Minimization Measures to Avoid Significant Impacts and Procedures to Evaluate Resources

If cultural resources or tribal cultural resources (such as structural features, unusual amounts of bone or shell, artifacts, or human remains) are encountered at the project site during construction, work shall be suspended within 100 feet of the find (based on the apparent distribution of cultural materials), and the construction contractor shall immediately notify the project's City representative. Avoidance and preservation in place is the preferred manner of mitigating impacts to cultural resources and tribal cultural resources. This will be accomplished, if feasible, by several alternative means, including:

- Planning construction to avoid tribal cultural resources, archaeological sites and/or other cultural resources; incorporating cultural resources within parks, green-space or other open space; covering archaeological resources; deeding a cultural resource to a permanent conservation easement; or other preservation and protection methods agreeable to consulting parties and regulatory authorities with jurisdiction over the activity.
- Recommendations for avoidance of cultural resources and tribal cultural resources will be reviewed by the City representative, interested culturally affiliated Native American tribes and other appropriate agencies, in light of factors such as costs, logistics, feasibility, design, technology and social, cultural and environmental considerations, and the extent to which avoidance is consistent with project objectives. Avoidance and design alternatives may include realignment within the project site to avoid cultural resources or tribal cultural resources, modification of the design to eliminate or reduce impacts to cultural resources or tribal cultural resources or modification or realignment to avoid highly significant features within a cultural resource or tribal cultural resource.
- Native American representatives from interested culturally affiliated Native American tribes will be invited to review and comment on these analyses and shall have the opportunity to meet with the City representative and its representatives who have technical expertise to identify and recommend feasible avoidance and design alternatives, so that appropriate and feasible avoidance and design alternatives can be identified.
- If the discovered cultural resource or tribal cultural resource can be avoided, the construction contractor(s), will install protective fencing outside the site boundary, including a 100-foot buffer area, before construction restarts. The boundary of a cultural resource or a tribal cultural resource

will be determined in consultation with interested culturally affiliated Native American tribes and tribes will be invited to monitor the installation of fencing. Use of temporary and permanent forms of protective fencing will be determined in consultation with Native American representatives from interested culturally affiliated Native American tribes.

- The construction contractor(s) will maintain the protective fencing throughout construction to avoid the site during all remaining phases of construction. The area will be demarcated as an “Environmentally Sensitive Area”.

If a cultural resource or a tribal cultural resource cannot be avoided, the following performance standard shall be met prior to continuance of construction and associated activities that may result in damage to or destruction of cultural resources or tribal cultural resources:

- Each resource will be evaluated for California Register of Historical Resources- (CRHR) eligibility through application of established eligibility criteria (California Code of Regulations 15064.636), in consultation with consulting Native American Tribes, as applicable.

If a cultural resource or a tribal cultural resource is determined to be eligible for listing in the CRHR, the City will avoid damaging effects to the resource in accordance with California PRC Section 21084.3, if feasible. The City shall coordinate the investigation of the find with a qualified archaeologist (meeting the Secretary of the Interior’s Professional Qualifications Standards for Archeology) approved by the City and with interested culturally affiliated Native American tribes that respond to the City’s invitation. As part of the site investigation and resource assessment, the City and the archaeologist shall consult with interested culturally affiliated Native American tribes to assess the significance of the find, make recommendations for further evaluation and treatment as necessary and provide proper management recommendations should potential impacts to the resources be determined by the City to be significant. A written report detailing the site assessment, coordination activities, and management recommendations shall be provided to the City representative by the qualified archaeologist. These recommendations will be documented in the project record. For any recommendations made by interested culturally affiliated Native American tribes that are not implemented, a justification for why the recommendation was not followed will be provided in the project record.

Native American representatives from interested culturally affiliated Native American Tribes and the City representative will also consult to develop measures for long-term management of any discovered tribal cultural resources. Consultation will be limited to actions consistent with the jurisdiction of the City and taking into account ownership of the subject property. To the extent that the City has jurisdiction, routine operation and maintenance within tribal cultural resources retaining tribal cultural integrity shall be consistent with the avoidance and minimization standards identified in this mitigation measure.

If the City determines that the project may cause a significant impact to a tribal cultural resource, and measures are not otherwise identified in the consultation process, the following are examples of mitigation capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to the resource. These measures may be considered to avoid or minimize significant adverse impacts and constitute the standard by which an impact conclusion of less-than significant may be reached:

- Avoid and preserve resources in place, including, but not limited to, planning construction to avoid the resources and protect the cultural and natural context, or planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
- Treat the resource with culturally appropriate dignity taking into account the Tribal cultural values and meaning of the resource, including, but not limited to, the following:

- Protect the cultural character and integrity of the resource.
- Protect the traditional use of the resource.
- Protect the confidentiality of the resource.
- Establish permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or using the resources or places.
- Protect the resource.

Mitigation Measure TCR-1b: Implement Procedures in the Event of the Inadvertent Discovery of Human Remains

If an inadvertent discovery of human remains is made at any time during project-related construction activities or project planning, the City the following performance standards shall be met prior to implementing or continuing actions such as construction, which may result in damage to or destruction of human remains. In accordance with the California Health and Safety Code (HSC), if human remains are encountered during ground-disturbing activities, the City shall immediately halt potentially damaging excavation in the area of the remains and notify the Sacramento County Coroner and a professional archaeologist to determine the nature of the remains. The Coroner is required to examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or State lands (HSC Section 7050.5[b]).

If the human remains are of historic age and are determined to be not of Native American origin, the City will follow the provisions of the HSC Section 7000 (et seq.) regarding the disinterment and removal of non-Native American human remains.

If the Coroner determines that the remains are those of a Native American, he or she must contact the Native American Heritage Commission (NAHC) by phone within 24 hours of making that determination (HSC Section 7050[c]). After the Coroner’s findings have been made, the archaeologist and the NAHC-designated Most Likely Descendant (MLD), in consultation with the landowner, shall determine the ultimate treatment and disposition of the remains. The responsibilities of the City for acting upon notification of a discovery of Native American human remains are identified in California PRC Section 5097.9 et seq.

FINDINGS

All additional significant environmental effects of the proposed project relating to Tribal Cultural Resources can be mitigated to a less-than-significant level.

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
15. <u>UTILITIES AND SERVICE SYSTEMS</u> Would the project:			X

A)	Result in the determination that adequate capacity is not available to serve the project's demand in addition to existing commitments?			
B)	Require or result in either the construction of new utilities or the expansion of existing utilities, the construction of which could cause significant environmental impacts?			X

ENVIRONMENTAL SETTING

The project site is currently undeveloped, with the exception high-power electrical poles and overhead powerlines along the southern and eastern perimeter of the site. The project frontage along Sheldon Road and West Sexton Boulevard, which is Caltrans-owned land, is also developed with a drainage swale and separated pedestrian sidewalk. The City provides water service to the project area by the Sacramento Regional County Sanitation District (SRCSD). Existing water mains are located approximately 1,340 feet north of the site in West Stockton Boulevard and 1,150 feet west of the site in Sheldon Road. Storm water from the project site would be collected in a proposed bioretention area and then conveyed into existing drainage infrastructure within the existing drainage swale owned by Caltrans. The City would collect and dispose of solid waste generated by the proposed project.

Water

The City would provide water to serve the proposed project; the project applicant would also be required to submit a project-specific water supply study to the City as a condition of approval. Water supply is obtained from the American and Sacramento Rivers, along with groundwater wells. The City's 2015 Urban Water Management Plan (UWMP) determined that the City has adequate water supplies to meet the demands of development under the 2035 General Plan. The City possesses 275,917 acre-feet per year (AFY) in water supplies during multiple-dry years, and this amount will increase until 2035 for a total of 294,419 AFY during multiple-dry years (City of Sacramento 2016).

The proposed project would include the construction of on-site water lines to connect to existing water lines in both West Stockton Boulevard and Sheldon Road. The project would also construct an off-site water main extension with two points of connection along West Stockton Boulevard and Sheldon Road.

Sewer

The Sacramento Area Sewer District (SASD) would be responsible for providing local sewer service to the proposed project site via its local sanitary sewer collection system. Sacramento Regional County Sanitation District (Regional San) would be responsible for the conveyance of wastewater from the SASD collection system to the Sacramento Regional Wastewater Treatment Plant (SRWTP).

The proposed project would construct on-site sewer infrastructure that would connect to existing sewer lines in West Stockton Boulevard, approximately 400 feet north of the project site.

Storm Water

Storm water drainage for the proposed project site and its vicinity would be collected by storm drain systems owned and managed by the City of Sacramento, and subsequently pumped into nearby rivers, creeks, and drainages; the project applicant would also be required to submit a project-specific drainage study to the City as a condition of approval. This study would be required to meet criteria specified in the City's Onsite Design Manual and the Design and Procedures Manual

As described above, the proposed project would construct onsite storm drain infrastructure that would connect to existing storm drain infrastructure in the Caltrans owned drainage swale running along the southerly and

easterly perimeter of the project site.

Solid Waste

Solid waste within the city is collected by the Sacramento Department of General Services, and private haulers collect commercial solid waste. Solid waste is then transported to the Sacramento Recycling and Transfer Station (8491 Fruitridge Road and 4550 Roseville Road) and transferred to the Kiefer Landfill. Per the Master EIR Background Report, the Kiefer Landfill has a permitted capacity of up to 10,815 tons per day and accepts approximately 6,300 tons of solid waste per day on average (City of Sacramento 2014). The landfill accepts municipal and industrial waste, including household hazardous waste, and is expected to have sufficient capacity until 2065 according to the City's Master EIR.

STANDARDS OF SIGNIFICANCE

The significance criteria used to evaluate the project impacts to utilities and service systems are based on Appendix G of the CEQA Guidelines, thresholds of significance adopted by the City in applicable general plans and previous environmental documents, and professional judgment. A significant impact related to utilities would occur if the project would:

- result in the determination that adequate capacity is not available to serve the project's demand in addition to existing commitments; or
- require or result in either the construction of new utilities or the expansion of existing utilities, the construction of which could cause significant environmental impacts.

SUMMARY OF ANALYSIS UNDER THE 2035 GENERAL PLAN MASTER EIR AND APPLICABLE GENERAL PLAN POLICIES

The Master EIR evaluated the effects of development under the 2035 General Plan on water supply, sewer and storm drainage, solid waste, electricity, natural gas and telecommunications. See Chapter 4.11.

The Master EIR evaluated the impacts of increased demand for water that would occur with development under the 2035 General Plan. Policies in the General Plan would reduce the impact generally to a less-than-significant level (Impact 4.11-1), but the Master EIR concluded that the potential increase in demand for potable water in excess of the City's existing diversion and treatment capacity, and which could require construction of new water supply facilities, would result in a significant and unavoidable effect (Impact 4.11-2). The potential need for expansion of wastewater treatment facilities was identified as having a less-than-significant effect (Impact 4.11-4). Impacts on solid waste facilities were concluded to be less than significant (Impact 4.11-5) in the Master EIR. Implementation of energy efficient standards as set forth in Titles 20 and 24 of the California Code of Regulations for residential and non-residential buildings, would reduce effects for energy to a less-than-significant level.

ANSWERS TO CHECKLIST QUESTIONS

- A) The proposed project would develop a gas station, convenience store, surface parking and landscaping on 2.02 acres. The project site is currently undeveloped and does not require water, wastewater, or solid waste services. Therefore, the proposed project would generate an increased demand for water, wastewater, and solid waste services on the project site.

Based on the City's gross water demand factor for commercial/office uses the proposed project would generate a demand for 3.39 acre-feet per year (AFY) of water for the convenience store, restrooms and landscape irrigation – see Table 14-1.

Table 14-1. Proposed Project Water Demand

Land Use	Amount	Rate	Demand (AFY)
Commercial/Office	2.02 acres	1.5 AFY/Acre	3.03
Total			3.03

Source: City of Sacramento 2018b.

The 2035 General Plan Master EIR considered the water demands of developing the site with commercial uses. The City's water supply would sufficiently serve the project's water demand. Because the City would have adequate water supply to serve the project, a less-than-significant impact regarding water supply would occur.

The proposed project includes eight public restroom fixtures, including six toilets and two sink, that would generate wastewater along with water used for general operation activities. The approximate amount of wastewater to be generated by the project using the Sacramento Regional County Sanitation District (SRCSD) generation rates is shown in Table 14-2. Sewer flows would ultimately be conveyed to the SRWWTP for treatment prior to being discharged into the Sacramento River. The SRWWTP has adequate capacity to provide wastewater services to serve the proposed project without adverse impacts to current service levels and the treatment plant would not need to be expanded to accommodate the project. The project applicant would be required to pay development impact fees, including the Sacramento County Regional Sanitation Fee, Public Works Fee, Water Development Fee, and Utilities Fee, which would reduce any impacts on the City's water and wastewater treatment and conveyance systems. Therefore, the project would not contribute to an additional environmental effect and the impact would be less than significant.

Table 14-2. Proposed Project Wastewater Generation

Proposed Use	Units	Sewer Generation Rate	ESD	Total
Convenience Market	5,637 sf	0.6 ESD per 1,000 sf	3.4 ESD	1,054 gpd
Public Restrooms/ Comfort Station	8 fixtures	0.3 ESD per fixture	2.4 ESD	744 gpd
Project Total			5.8 ESD	1,798 gpd or .66 mg/year

Notes: Total (gpd) = 310 gpd * ESD
Total (mg/year) = ((total gpd)/1,000,000) * 365

Source: SRCSD 2010.

- B) The proposed project would connect to existing water, sewer, and storm-drain lines in the project vicinity. The project would convey storm water into the City's existing storm drain system, which has been designed to accommodate flows associated with development in the surrounding area. No new utilities or expansion of existing utilities would be required; therefore, the project would not contribute to an additional effect and impacts would be less than significant.

FINDINGS

The proposed project would have no additional project-specific environmental effects relating to Utilities and Service Systems.

MANDATORY FINDINGS OF SIGNIFICANCE

Issues:	Potentially Significant Effect	Effect can be mitigated to less than significant	No significant environmental effect
<p>16. <u>MANDATORY FINDINGS OF SIGNIFICANCE</u></p> <p>A) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?</p>		X	
<p>B) Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)</p>			X
<p>C) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?</p>			X

ANSWERS TO CHECKLIST QUESTIONS

- A) As discussed above, the proposed project would not degrade the quality of the habitat of a fish or wildlife species, reduce the available habitat resulting in a drop in population of a species, eliminate a plant or animal community, or in any way restrict the range of a protected species. The project site does contain two trees that would be removed to accommodate project development. Mitigation is required to ensure pre-construction nesting bird surveys are completed and emergent freshwater wetlands are delineated and permitted for. The project site also does not contain known significant historical resources that would be impacted by project implementation. However, because there is always the potential to unearth unknown prehistoric or historic-era resources, tribal cultural resources and human remains mitigation is required. Therefore, impacts would be less-than-significant with mitigation.

- B) The cumulative context for the proposed project is the continued buildout of the City’s 2035 General Plan. As discussed in Items 1 through 14, with implementation of applicable General Plan policies, required regulation and ordinances, and the mitigation measures previously identified herein, the proposed project would not substantially contribute to cumulative impacts and/or cause the cumulative impacts of the 2035 General Plan EIR to exceed the levels described in the Master EIR. The proposed project is consistent with the City’s 2035 General Plan and would not result in new or increased cumulative impacts.

- C) All potential environmental impacts identified in support of the proposed project would either be minimal or reduced to a less than significant level with mitigation. The project site does not contain any hazards or known to have any sensitive biological and cultural resources. The proposed project does not have any environmental impacts that could have substantial adverse direct or indirect effects on human beings. No potentially significant impacts, which could cause substantial adverse direct or indirect effects on human beings were identified. No mitigation would be required.

SECTION IV - ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would potentially be affected by this project but all impacts can be mitigated to a less-than-significant level.

<input type="checkbox"/> Aesthetics	<input type="checkbox"/> Hydrology and Water Quality
<input checked="" type="checkbox"/> Air Quality	<input type="checkbox"/> Noise
<input checked="" type="checkbox"/> Biological Resources	<input type="checkbox"/> Public Services
<input checked="" type="checkbox"/> Cultural Resources	<input type="checkbox"/> Recreation
<input type="checkbox"/> Energy	<input type="checkbox"/> Transportation/Circulation
<input type="checkbox"/> Geology and Soils	<input checked="" type="checkbox"/> Tribal Cultural Resources
<input checked="" type="checkbox"/> Greenhouse Gas Emissions	<input type="checkbox"/> Utilities and Service Systems
<input type="checkbox"/> Hazards	<input type="checkbox"/> None Identified

SECTION V - DETERMINATION

On the basis of the environmental checklist:

I find that (a) the proposed project is an anticipated subsequent project identified and described in the 2035 General Plan Master EIR; (b) the proposed project is consistent with the 2035 General Plan land use designation and the permissible densities and intensities of use for the project site; (c) that the discussions of cumulative impacts, growth inducing impacts, and irreversible significant effects in the Master EIR are adequate for the proposed project; and (d) the proposed project will have additional significant environmental effects not previously examined in the Master EIR. A Mitigated Negative Declaration will be prepared. Mitigation measures from the Master EIR will be applied to the project as appropriate, and additional feasible mitigation measures and alternatives will be incorporated to revise the proposed project before the negative declaration is circulated for public review, to avoid or mitigate the identified effects to a level of insignificance. (CEQA Guidelines Section 15178(b)).

Ron Bess
Signature

December 7, 2023
Date

Ron Bess
Printed Name

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**APPENDIX A:
AIR QUALITY MODEL OUTPUTS**

Maverik Gas Station and Convenience Store Project Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	Maverik Gas Station and Convenience Store Project
Construction Start Date	6/24/2024
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.6
Location	38.43903298566593, -121.40436617510142
County	Sacramento
City	Sacramento
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	716
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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Convenience Market with Gas Pumps	3.66	1000sqft	0.08	3,660	10,181	0.00	—	—
Parking Lot	38.0	Space	0.34	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.56	3.30	25.2	32.3	0.05	1.05	3.52	4.57	0.97	1.35	2.32	—	6,543	6,543	0.32	0.27	8.28	6,640
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.96	1.97	12.9	18.5	0.03	0.51	1.15	1.66	0.47	0.28	0.74	—	3,975	3,975	0.17	0.16	0.17	4,028
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.47	0.45	3.26	4.38	0.01	0.14	0.38	0.51	0.12	0.12	0.24	—	931	931	0.04	0.04	0.59	944
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.09	0.08	0.59	0.80	< 0.005	0.02	0.07	0.09	0.02	0.02	0.04	—	154	154	0.01	0.01	0.10	156

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.56	3.30	25.2	32.3	0.05	1.05	3.52	4.57	0.97	1.35	2.32	—	6,543	6,543	0.32	0.27	8.28	6,640
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.96	1.97	12.9	18.5	0.03	0.51	1.15	1.66	0.47	0.28	0.74	—	3,975	3,975	0.17	0.16	0.17	4,028
2025	1.18	1.27	7.71	12.0	0.02	0.26	0.97	1.22	0.24	0.23	0.47	—	2,937	2,937	0.12	0.15	0.14	2,985
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.47	0.45	3.26	4.38	0.01	0.14	0.38	0.51	0.12	0.12	0.24	—	931	931	0.04	0.04	0.59	944
2025	0.07	0.08	0.46	0.73	< 0.005	0.02	0.06	0.07	0.01	0.01	0.03	—	179	179	0.01	0.01	0.14	182
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.09	0.08	0.59	0.80	< 0.005	0.02	0.07	0.09	0.02	0.02	0.04	—	154	154	0.01	0.01	0.10	156
2025	0.01	0.01	0.08	0.13	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	29.7	29.7	< 0.005	< 0.005	0.02	30.2

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.4	10.6	9.46	91.2	0.19	0.15	15.7	15.8	0.14	3.98	4.12	6.51	19,725	19,732	1.47	0.81	832	20,842
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.3	9.45	11.1	77.4	0.17	0.15	15.7	15.8	0.14	3.98	4.12	6.51	18,037	18,043	1.58	0.89	761	19,110

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.55	8.14	5.67	42.4	0.08	0.07	6.48	6.55	0.07	1.65	1.71	6.51	8,139	8,146	1.22	0.46	772	9,087
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.56	1.48	1.03	7.74	0.01	0.01	1.18	1.20	0.01	0.30	0.31	1.08	1,348	1,349	0.20	0.08	128	1,504

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.4	10.5	9.44	91.0	0.19	0.15	15.7	15.8	0.14	3.98	4.12	—	19,550	19,550	0.86	0.81	73.2	19,885
Area	0.03	0.11	< 0.005	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.65	0.65	< 0.005	< 0.005	—	0.66
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	174	174	0.01	< 0.005	—	175
Water	—	—	—	—	—	—	—	—	—	—	—	0.58	0.78	1.36	< 0.005	< 0.005	—	1.79
Waste	—	—	—	—	—	—	—	—	—	—	—	5.93	0.00	5.93	0.59	0.00	—	20.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	759	759
Total	11.4	10.6	9.46	91.2	0.19	0.15	15.7	15.8	0.14	3.98	4.12	6.51	19,725	19,732	1.47	0.81	832	20,842
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.3	9.36	11.1	77.4	0.17	0.15	15.7	15.8	0.14	3.98	4.12	—	17,862	17,862	0.98	0.89	1.90	18,153
Area	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	174	174	0.01	< 0.005	—	175
Water	—	—	—	—	—	—	—	—	—	—	—	0.58	0.78	1.36	< 0.005	< 0.005	—	1.79
Waste	—	—	—	—	—	—	—	—	—	—	—	5.93	0.00	5.93	0.59	0.00	—	20.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	759	759

Total	10.3	9.45	11.1	77.4	0.17	0.15	15.7	15.8	0.14	3.98	4.12	6.51	18,037	18,043	1.58	0.89	761	19,110
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.53	8.03	5.65	42.3	0.08	0.07	6.48	6.55	0.06	1.65	1.71	—	7,964	7,964	0.62	0.46	13.4	8,130
Area	0.02	0.11	< 0.005	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.45	0.45	< 0.005	< 0.005	—	0.45
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	174	174	0.01	< 0.005	—	175
Water	—	—	—	—	—	—	—	—	—	—	—	0.58	0.78	1.36	< 0.005	< 0.005	—	1.79
Waste	—	—	—	—	—	—	—	—	—	—	—	5.93	0.00	5.93	0.59	0.00	—	20.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	759	759
Total	8.55	8.14	5.67	42.4	0.08	0.07	6.48	6.55	0.07	1.65	1.71	6.51	8,139	8,146	1.22	0.46	772	9,087
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.56	1.47	1.03	7.72	0.01	0.01	1.18	1.20	0.01	0.30	0.31	—	1,318	1,318	0.10	0.08	2.22	1,346
Area	< 0.005	0.02	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.07	0.07	< 0.005	< 0.005	—	0.07
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.9	28.9	< 0.005	< 0.005	—	29.0
Water	—	—	—	—	—	—	—	—	—	—	—	0.10	0.13	0.22	< 0.005	< 0.005	—	0.30
Waste	—	—	—	—	—	—	—	—	—	—	—	0.98	0.00	0.98	0.10	0.00	—	3.43
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126	126
Total	1.56	1.48	1.03	7.74	0.01	0.01	1.18	1.20	0.01	0.30	0.31	1.08	1,348	1,349	0.20	0.08	128	1,504

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Maverik Gas Station and Convenience Store Project Detailed Report, 10/3/2023

Off-Road Equipment	0.60	0.50	4.60	5.56	0.01	0.24	—	0.24	0.22	—	0.22	—	858	858	0.03	0.01	—	861
Dust From Material Movement:	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.63	0.76	< 0.005	0.03	—	0.03	0.03	—	0.03	—	118	118	< 0.005	< 0.005	—	118
Dust From Material Movement:	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.12	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.5	19.5	< 0.005	< 0.005	—	19.5
Dust From Material Movement:	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.17	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	208	208	0.01	0.01	0.85	212

Vendor	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	0.00	0.00
Hauling	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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	26.0	26.0	< 0.005	< 0.005	0.05	26.4	
Vendor	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	0.00	
Hauling	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	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.31	4.31	< 0.005	< 0.005	0.01	4.37	
Vendor	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	0.00	
Hauling	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	0.00	

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.19	11.4	10.7	0.02	0.53	—	0.53	0.49	—	0.49	—	1,713	1,713	0.07	0.01	—	1,719
Dust From Material Movement	—	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.62	0.59	< 0.005	0.03	—	0.03	0.03	—	0.03	—	93.9	93.9	< 0.005	< 0.005	—	94.2
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.11	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	1.04	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	185	185	0.01	0.01	0.76	188
Vendor	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	0.00
Hauling	0.07	0.02	1.02	0.38	0.01	0.01	0.14	0.15	0.01	0.04	0.05	—	545	545	0.05	0.09	1.13	573
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.25	9.25	< 0.005	< 0.005	0.02	9.38
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.9	29.9	< 0.005	< 0.005	0.03	31.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.53	1.53	< 0.005	< 0.005	< 0.005	1.55
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.94	4.94	< 0.005	< 0.005	< 0.005	5.20

3.5. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.60	6.98	0.01	0.26	—	0.26	0.23	—	0.23	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.60	6.98	0.01	0.26	—	0.26	0.23	—	0.23	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.10	1.37	< 0.005	0.05	—	0.05	0.05	—	0.05	—	255	255	0.01	< 0.005	—	256

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Onsite truck	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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.3	42.3	< 0.005	< 0.005	—	42.4	
Onsite truck	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	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.30	0.28	0.21	4.09	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	730	730	0.03	0.03	2.98	741	
Vendor	0.08	0.03	1.40	0.51	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	737	737	0.05	0.11	1.89	772	
Hauling	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	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.27	0.25	0.28	3.01	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	648	648	0.02	0.03	0.08	656	
Vendor	0.08	0.03	1.50	0.52	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	737	737	0.05	0.11	0.05	770	
Hauling	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	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.05	0.05	0.05	0.60	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	0.25	132	
Vendor	0.02	0.01	0.29	0.10	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	0.16	151	
Hauling	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	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.5	21.5	< 0.005	< 0.005	0.04	21.8	
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.9	23.9	< 0.005	< 0.005	0.03	25.0	
Hauling	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	0.00	

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	0.52	5.14	6.94	0.01	0.22	—	0.22	0.20	—	0.20	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.31	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	79.2	79.2	< 0.005	< 0.005	—	79.4
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.1	13.1	< 0.005	< 0.005	—	13.1
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.27	0.24	0.23	2.80	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	635	635	0.02	0.03	0.07	643
Vendor	0.08	0.03	1.40	0.50	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	723	723	0.05	0.11	0.05	756
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.5	39.5	< 0.005	< 0.005	0.07	40.1
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.9	43.9	< 0.005	0.01	0.05	45.9
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.54	6.54	< 0.005	< 0.005	0.01	6.64
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.26	7.26	< 0.005	< 0.005	0.01	7.60
Hauling	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	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.53	4.52	5.32	0.01	0.21	—	0.21	0.19	—	0.19	—	823	823	0.03	0.01	—	826
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.53	4.52	5.32	0.01	0.21	—	0.21	0.19	—	0.19	—	823	823	0.03	0.01	—	826

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Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.31	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.4	56.4	< 0.005	< 0.005	—	56.6
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.34	9.34	< 0.005	< 0.005	—	9.37
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.17	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	208	208	0.01	0.01	0.85	212
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.86	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	185	185	< 0.005	0.01	0.02	187
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.03	13.2

Vendor	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	0.00	0.00
Hauling	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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.18	
Vendor	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	0.00	0.00
Hauling	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	0.00	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architect ural Coatings	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architect ural Coatings	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.18	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.1	26.1	< 0.005	< 0.005	—	26.2
Architectural Coatings	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.33	4.33	< 0.005	< 0.005	—	4.34
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.91	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	162	162	0.01	0.01	0.66	165
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.67	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	144	144	< 0.005	0.01	0.02	146
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.9	28.9	< 0.005	< 0.005	0.06	29.3

Vendor	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	0.00	0.00
Hauling	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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.78	4.78	< 0.005	< 0.005	0.01	4.85	
Vendor	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	0.00	0.00
Hauling	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	0.00	0.00

3.13. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.10	8.10	< 0.005	< 0.005	—	8.13
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Onsite truck	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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.34	1.34	< 0.005	< 0.005	—	1.35	
Architectural Coatings	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Onsite truck	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	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.06	0.05	0.05	0.62	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	141	141	< 0.005	0.01	0.02	143	
Vendor	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	0.00	
Hauling	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	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.78	8.78	< 0.005	< 0.005	0.02	8.91	
Vendor	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	0.00	
Hauling	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	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.45	1.45	< 0.005	< 0.005	< 0.005	1.47	
Vendor	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	0.00	
Hauling	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	0.00	

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	11.4	10.5	9.44	91.0	0.19	0.15	15.7	15.8	0.14	3.98	4.12	—	19,550	19,550	0.86	0.81	73.2	19,885
Parking Lot	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	0.00
Total	11.4	10.5	9.44	91.0	0.19	0.15	15.7	15.8	0.14	3.98	4.12	—	19,550	19,550	0.86	0.81	73.2	19,885
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	10.3	9.36	11.1	77.4	0.17	0.15	15.7	15.8	0.14	3.98	4.12	—	17,862	17,862	0.98	0.89	1.90	18,153
Parking Lot	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	0.00
Total	10.3	9.36	11.1	77.4	0.17	0.15	15.7	15.8	0.14	3.98	4.12	—	17,862	17,862	0.98	0.89	1.90	18,153
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market with Gas Pumps	1.56	1.47	1.03	7.72	0.01	0.01	1.18	1.20	0.01	0.30	0.31	—	1,318	1,318	0.10	0.08	2.22	1,346
Parking Lot	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	0.00
Total	1.56	1.47	1.03	7.72	0.01	0.01	1.18	1.20	0.01	0.30	0.31	—	1,318	1,318	0.10	0.08	2.22	1,346

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	140	140	0.01	< 0.005	—	141
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	10.5	10.5	< 0.005	< 0.005	—	10.6
Total	—	—	—	—	—	—	—	—	—	—	—	—	151	151	0.01	< 0.005	—	151
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	140	140	0.01	< 0.005	—	141

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	10.5	10.5	< 0.005	< 0.005	—	10.6
Total	—	—	—	—	—	—	—	—	—	—	—	—	151	151	0.01	< 0.005	—	151
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	23.2	23.2	< 0.005	< 0.005	—	23.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1.75	1.75	< 0.005	< 0.005	—	1.75
Total	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0	< 0.005	< 0.005	—	25.1

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.6	23.6	< 0.005	< 0.005	—	23.7
Parking Lot	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
Total	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.6	23.6	< 0.005	< 0.005	—	23.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market with Gas Pumps	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.6	23.6	< 0.005	< 0.005	—	23.7
Parking Lot	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
Total	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.6	23.6	< 0.005	< 0.005	—	23.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.91	3.91	< 0.005	< 0.005	—	3.92
Parking Lot	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
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.91	3.91	< 0.005	< 0.005	—	3.92

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	0.03	0.03	< 0.005	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.65	0.65	< 0.005	< 0.005	—	0.66
Total	0.03	0.11	< 0.005	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.65	0.65	< 0.005	< 0.005	—	0.66
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.07	0.07	< 0.005	< 0.005	—	0.07
Total	< 0.005	0.02	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.07	0.07	< 0.005	< 0.005	—	0.07

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.58	0.78	1.36	< 0.005	< 0.005	—	1.79
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.58	0.78	1.36	< 0.005	< 0.005	—	1.79
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.58	0.78	1.36	< 0.005	< 0.005	—	1.79
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.58	0.78	1.36	< 0.005	< 0.005	—	1.79
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.10	0.13	0.22	< 0.005	< 0.005	—	0.30
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.10	0.13	0.22	< 0.005	< 0.005	—	0.30

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	5.93	0.00	5.93	0.59	0.00	—	20.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5.93	0.00	5.93	0.59	0.00	—	20.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	5.93	0.00	5.93	0.59	0.00	—	20.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5.93	0.00	5.93	0.59	0.00	—	20.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.98	0.00	0.98	0.10	0.00	—	3.43
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	0.98	0.00	0.98	0.10	0.00	—	3.43
-------	---	---	---	---	---	---	---	---	---	---	---	------	------	------	------	------	---	------

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	759	759
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	759	759
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	759	759
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	759	759
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126	126
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126	126

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	6/24/2024	8/30/2024	5.00	50.0	—
Grading	Grading	9/2/2024	9/27/2024	5.00	20.0	—
Building Construction	Building Construction	9/23/2024	1/31/2025	5.00	95.0	—
Paving	Paving	9/16/2024	10/18/2024	5.00	25.0	—
Architectural Coating	Architectural Coating	9/23/2024	1/31/2025	5.00	95.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42

Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	16.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	0.00	8.80	HHDT,MHDT
Grading	Hauling	7.20	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	63.0	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	25.0	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	18.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	0.00	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT

Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	14.0	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	5,490	1,830	894

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	25.0	0.00	—
Grading	0.00	1,150	15.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.34

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Convenience Market with Gas Pumps	0.00	0%
Parking Lot	0.34	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	375	0.01	< 0.005
2025	0.00	375	0.01	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market with Gas Pumps	2,285	2,285	2,285	833,869	4,264	22,087	22,087	3,414,997
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

0	0.00	5,490	1,830	894
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5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market with Gas Pumps	173,636	295	0.0129	0.0017	73,633
Parking Lot	13,050	295	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market with Gas Pumps	271,105	142,191
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
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Convenience Market with Gas Pumps	11.0	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth

Wildfire	0.00	annual hectares burned
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Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2

Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	40.0
AQ-PM	28.3
AQ-DPM	62.4
Drinking Water	54.9
Lead Risk Housing	29.8
Pesticides	0.00
Toxic Releases	20.8
Traffic	81.2

Effect Indicators	—
CleanUp Sites	21.1
Groundwater	2.11
Haz Waste Facilities/Generators	19.2
Impaired Water Bodies	12.5
Solid Waste	22.1
Sensitive Population	—
Asthma	66.9
Cardio-vascular	60.3
Low Birth Weights	79.8
Socioeconomic Factor Indicators	—
Education	59.8
Housing	89.6
Linguistic	64.1
Poverty	64.9
Unemployment	83.2

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	33.72257154
Employed	21.69896061
Median HI	36.55844989
Education	—
Bachelor's or higher	43.17977672
High school enrollment	6.018221481

Preschool enrollment	82.12498396
Transportation	—
Auto Access	59.70742974
Active commuting	55.99897344
Social	—
2-parent households	54.80559476
Voting	42.70499166
Neighborhood	—
Alcohol availability	69.45977159
Park access	81.35506224
Retail density	66.39291672
Supermarket access	45.04042089
Tree canopy	26.27999487
Housing	—
Homeownership	52.53432568
Housing habitability	41.94790196
Low-inc homeowner severe housing cost burden	20.60823816
Low-inc renter severe housing cost burden	37.05889901
Uncrowded housing	39.88194534
Health Outcomes	—
Insured adults	66.66238932
Arthritis	84.5
Asthma ER Admissions	21.8
High Blood Pressure	59.9
Cancer (excluding skin)	85.3
Asthma	32.2
Coronary Heart Disease	90.3

Chronic Obstructive Pulmonary Disease	68.2
Diagnosed Diabetes	61.5
Life Expectancy at Birth	44.7
Cognitively Disabled	23.2
Physically Disabled	10.8
Heart Attack ER Admissions	26.8
Mental Health Not Good	43.4
Chronic Kidney Disease	85.5
Obesity	51.8
Pedestrian Injuries	42.3
Physical Health Not Good	57.2
Stroke	70.4
Health Risk Behaviors	—
Binge Drinking	75.2
Current Smoker	32.2
No Leisure Time for Physical Activity	50.2
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	27.6
Elderly	89.5
English Speaking	62.1
Foreign-born	79.0
Outdoor Workers	85.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	55.9
Traffic Density	67.0

Traffic Access	23.0
Other Indices	—
Hardship	64.7
Other Decision Support	—
2016 Voting	27.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	39.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction would occur June 2024 through January 2025.
Construction: Trips and VMT	Updated per data request.

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Maverik Gas Station and Convenience Store Project - Con HRA
Construction Start Date	6/24/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.6
Location	38.43903298566593, -121.40436617510142
County	Sacramento
City	Sacramento
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	716
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Convenience Market with Gas Pumps	3.66	1000sqft	0.08	3,660	10,181	0.00	—	—

Parking Lot	38.0	Space	0.34	0.00	0.00	0.00	—	—
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1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.56	3.30	25.2	32.3	0.05	1.05	3.52	4.57	0.97	1.35	2.32	—	6,543	6,543	0.32	0.27	8.28	6,640
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.96	1.97	12.9	18.5	0.03	0.51	1.15	1.66	0.47	0.28	0.74	—	3,975	3,975	0.17	0.16	0.17	4,028
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.47	0.45	3.26	4.38	0.01	0.14	0.38	0.51	0.12	0.12	0.24	—	931	931	0.04	0.04	0.59	944
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.09	0.08	0.59	0.80	< 0.005	0.02	0.07	0.09	0.02	0.02	0.04	—	154	154	0.01	0.01	0.10	156

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.56	3.30	25.2	32.3	0.05	1.05	3.52	4.57	0.97	1.35	2.32	—	6,543	6,543	0.32	0.27	8.28	6,640
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.96	1.97	12.9	18.5	0.03	0.51	1.15	1.66	0.47	0.28	0.74	—	3,975	3,975	0.17	0.16	0.17	4,028
2025	1.18	1.27	7.71	12.0	0.02	0.26	0.97	1.22	0.24	0.23	0.47	—	2,937	2,937	0.12	0.15	0.14	2,985
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.47	0.45	3.26	4.38	0.01	0.14	0.38	0.51	0.12	0.12	0.24	—	931	931	0.04	0.04	0.59	944
2025	0.07	0.08	0.46	0.73	< 0.005	0.02	0.06	0.07	0.01	0.01	0.03	—	179	179	0.01	0.01	0.14	182
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.09	0.08	0.59	0.80	< 0.005	0.02	0.07	0.09	0.02	0.02	0.04	—	154	154	0.01	0.01	0.10	156
2025	0.01	0.01	0.08	0.13	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	29.7	29.7	< 0.005	< 0.005	0.02	30.2

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	0.50	4.60	5.56	0.01	0.24	—	0.24	0.22	—	0.22	—	858	858	0.03	0.01	—	861

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Dust From Material Movement:	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.63	0.76	< 0.005	0.03	—	0.03	0.03	—	0.03	—	118	118	< 0.005	< 0.005	—	118
Dust From Material Movement:	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.12	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.5	19.5	< 0.005	< 0.005	—	19.5
Dust From Material Movement:	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.17	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	208	208	0.01	0.01	0.85	212
Vendor	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	0.00
Hauling	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	26.0	26.0	< 0.005	< 0.005	0.05	26.4
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.31	4.31	< 0.005	< 0.005	0.01	4.37
Vendor	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	0.00
Hauling	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	0.00

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.19	11.4	10.7	0.02	0.53	—	0.53	0.49	—	0.49	—	1,713	1,713	0.07	0.01	—	1,719
Dust From Material Movement	—	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.62	0.59	< 0.005	0.03	—	0.03	0.03	—	0.03	—	93.9	93.9	< 0.005	< 0.005	—	94.2
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.11	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	1.04	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	185	185	0.01	0.01	0.76	188
Vendor	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	0.00
Hauling	0.07	0.02	1.02	0.38	0.01	0.01	0.14	0.15	0.01	0.04	0.05	—	545	545	0.05	0.09	1.13	573
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.25	9.25	< 0.005	< 0.005	0.02	9.38
Vendor	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	0.00

Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.9	29.9	< 0.005	< 0.005	0.03	31.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.53	1.53	< 0.005	< 0.005	< 0.005	1.55
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.94	4.94	< 0.005	< 0.005	< 0.005	5.20

3.5. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.60	6.98	0.01	0.26	—	0.26	0.23	—	0.23	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.60	6.98	0.01	0.26	—	0.26	0.23	—	0.23	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.10	1.37	< 0.005	0.05	—	0.05	0.05	—	0.05	—	255	255	0.01	< 0.005	—	256
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.20	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.3	42.3	< 0.005	< 0.005	—	42.4
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.28	0.21	4.09	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	730	730	0.03	0.03	2.98	741
Vendor	0.08	0.03	1.40	0.51	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	737	737	0.05	0.11	1.89	772
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.25	0.28	3.01	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	648	648	0.02	0.03	0.08	656
Vendor	0.08	0.03	1.50	0.52	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	737	737	0.05	0.11	0.05	770
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.60	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	0.25	132
Vendor	0.02	0.01	0.29	0.10	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	0.16	151
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.5	21.5	< 0.005	< 0.005	0.04	21.8
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.9	23.9	< 0.005	< 0.005	0.03	25.0
Hauling	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	0.00

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	0.52	5.14	6.94	0.01	0.22	—	0.22	0.20	—	0.20	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.31	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	79.2	79.2	< 0.005	< 0.005	—	79.4
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.1	13.1	< 0.005	< 0.005	—	13.1
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.23	2.80	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	635	635	0.02	0.03	0.07	643
Vendor	0.08	0.03	1.40	0.50	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	723	723	0.05	0.11	0.05	756
Hauling	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	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.5	39.5	< 0.005	< 0.005	0.07	40.1
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.9	43.9	< 0.005	0.01	0.05	45.9
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.54	6.54	< 0.005	< 0.005	0.01	6.64
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.26	7.26	< 0.005	< 0.005	0.01	7.60
Hauling	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	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.53	4.52	5.32	0.01	0.21	—	0.21	0.19	—	0.19	—	823	823	0.03	0.01	—	826
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.53	4.52	5.32	0.01	0.21	—	0.21	0.19	—	0.19	—	823	823	0.03	0.01	—	826
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.31	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.4	56.4	< 0.005	< 0.005	—	56.6
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.34	9.34	< 0.005	< 0.005	—	9.37
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.17	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	208	208	0.01	0.01	0.85	212
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.86	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	185	185	< 0.005	0.01	0.02	187
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.03	13.2
Vendor	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	0.00
Hauling	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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.18
Vendor	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	0.00
Hauling	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	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.03	0.03	0.18	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.1	26.1	< 0.005	< 0.005	—	26.2
Architectural Coatings	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.33	4.33	< 0.005	< 0.005	—	4.34
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.91	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	162	162	0.01	0.01	0.66	165
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.67	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	144	144	< 0.005	0.01	0.02	146
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.9	28.9	< 0.005	< 0.005	0.06	29.3
Vendor	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	0.00

Hauling	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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.78	4.78	< 0.005	< 0.005	0.01	4.85	
Vendor	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	0.00	
Hauling	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	0.00	

3.13. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architect ural Coatings	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.10	8.10	< 0.005	< 0.005	—	8.13
Architect ural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.34	1.34	< 0.005	< 0.005	—	1.35
Architectural Coatings	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.62	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	141	141	< 0.005	0.01	0.02	143
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.78	8.78	< 0.005	< 0.005	0.02	8.91
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.45	1.45	< 0.005	< 0.005	< 0.005	1.47
Vendor	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	0.00
Hauling	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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	6/24/2024	8/30/2024	5.00	50.0	—
Grading	Grading	9/2/2024	9/27/2024	5.00	20.0	—
Building Construction	Building Construction	9/23/2024	1/31/2025	5.00	95.0	—
Paving	Paving	9/16/2024	10/18/2024	5.00	25.0	—
Architectural Coating	Architectural Coating	9/23/2024	1/31/2025	5.00	95.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37

Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	16.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	0.00	8.80	HHDT,MHDT
Grading	Hauling	7.20	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	63.0	14.3	LDA,LDT1,LDT2

Building Construction	Vendor	25.0	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	18.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	0.00	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	14.0	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	5,490	1,830	894

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
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Site Preparation	0.00	0.00	25.0	0.00	—
Grading	0.00	1,150	15.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.34

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Convenience Market with Gas Pumps	0.00	0%
Parking Lot	0.34	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	375	0.01	< 0.005
2025	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	40.0
AQ-PM	28.3
AQ-DPM	62.4
Drinking Water	54.9
Lead Risk Housing	29.8
Pesticides	0.00
Toxic Releases	20.8
Traffic	81.2
Effect Indicators	—
CleanUp Sites	21.1
Groundwater	2.11
Haz Waste Facilities/Generators	19.2
Impaired Water Bodies	12.5
Solid Waste	22.1
Sensitive Population	—
Asthma	66.9
Cardio-vascular	60.3

Low Birth Weights	79.8
Socioeconomic Factor Indicators	—
Education	59.8
Housing	89.6
Linguistic	64.1
Poverty	64.9
Unemployment	83.2

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	33.72257154
Employed	21.69896061
Median HI	36.55844989
Education	—
Bachelor's or higher	43.17977672
High school enrollment	6.018221481
Preschool enrollment	82.12498396
Transportation	—
Auto Access	59.70742974
Active commuting	55.99897344
Social	—
2-parent households	54.80559476
Voting	42.70499166
Neighborhood	—
Alcohol availability	69.45977159

Park access	81.35506224
Retail density	66.39291672
Supermarket access	45.04042089
Tree canopy	26.27999487
Housing	—
Homeownership	52.53432568
Housing habitability	41.94790196
Low-inc homeowner severe housing cost burden	20.60823816
Low-inc renter severe housing cost burden	37.05889901
Uncrowded housing	39.88194534
Health Outcomes	—
Insured adults	66.66238932
Arthritis	84.5
Asthma ER Admissions	21.8
High Blood Pressure	59.9
Cancer (excluding skin)	85.3
Asthma	32.2
Coronary Heart Disease	90.3
Chronic Obstructive Pulmonary Disease	68.2
Diagnosed Diabetes	61.5
Life Expectancy at Birth	44.7
Cognitively Disabled	23.2
Physically Disabled	10.8
Heart Attack ER Admissions	26.8
Mental Health Not Good	43.4
Chronic Kidney Disease	85.5
Obesity	51.8

Pedestrian Injuries	42.3
Physical Health Not Good	57.2
Stroke	70.4
Health Risk Behaviors	—
Binge Drinking	75.2
Current Smoker	32.2
No Leisure Time for Physical Activity	50.2
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	27.6
Elderly	89.5
English Speaking	62.1
Foreign-born	79.0
Outdoor Workers	85.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	55.9
Traffic Density	67.0
Traffic Access	23.0
Other Indices	—
Hardship	64.7
Other Decision Support	—
2016 Voting	27.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0

Healthy Places Index Score for Project Location (b)	39.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction would occur June 2024 through January 2025.
Construction: Trips and VMT	Updated per data request. Assumed 0.25 mile trip length for trucks.

**APPENDIX B:
BIOLOGICAL RESOURCES ASSESSMENT**

Biological Resources Assessment

Maverik Store Project, Sacramento County, California

MAY 2022

Prepared for:

CARTWRIGHT NOR CAL

3010 Lava Ridge Court, Suite 160
Roseville, California 95661

Contact: Mike Micheels, Senior Project Manager

Prepared by:

DUDEK

853 Lincoln Way, Suite 105
Auburn, California 95603

Contact: Anna Touchstone, Biologist

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
APN	Assessor's Parcel Number
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CNDDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CRPR	California Rare Plant Rank
CWA	Clean Water Act
FESA	federal Endangered Species Act
IPaC	USFWS Information, Planning, and Conservation Trust Resource Report
MBTA	Migratory Bird Treaty Act
PSA	Project Study Area
RWQCB	Regional Water Quality Control Board
SSC	California Species of Special Concern
SWRCB	State Water Resources Control Board
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey

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Summary of Findings

On October 4 2021, Dudek biologist Anna Touchstone conducted a biological field survey at the Maverik Store Project (project) Study Area (PSA) in Sacramento County, California. The focus of the survey was to characterize existing conditions of on-site biological resources and to identify potential biological resource constraints to the project. This document describes the methods and results of the biological survey and provides recommendations to avoid and minimize constraints.

The PSA is comprised of one natural vegetation community type, non-native grassland, and one land cover type, developed. Two aquatic features, a drainage ditch and a freshwater emergent wetland, occur along the eastern and southern boundaries of the PSA. These features may meet the definition of jurisdictional waters of the U.S. and/or State, regulated by the U.S. Army Corps of Engineers, Regional Water Quality Control Board, and/or California Department of Fish and Wildlife through Sections 401 and 404 of the Clean Water Act and/or Fish and Game Code Sections 1600–1602.

No special-status plant species were documented on site. There are six special-status plant species with potential to occur in the PSA: watershield (*Brasenia schreberi*), bristly sedge (*Carex comosa*), Bolander’s water-hemlock (*Cicuta maculate* var. *bolanderi*), Peruvian dodder (*Cuscuta obtusiflora* var. *glandulosa*), Delta tule pea (*Lathyrus jepsonii* var. *jepsonii*), and Sanford’s arrowhead (*Sagittaria sanfordii*).

No special-status wildlife species were documented on site. There are three special-status wildlife species with potential to occur in the PSA: burrowing owl (*Athene cunicularia*), a California Species of Special Concern (SSC), state-threatened Swainson’s hawk (*Buteo swainsoni*), and state-threatened and SSC tricolored blackbird (*Agelaius tricolor*). The PSA provides potential habitat for migratory birds and birds of prey protected by Fish and Game Code Sections 3503 and 3513 and/or the federal Migratory Bird Treaty Act. However, land covers on site provide poor quality habitat for most of these species due to regular human disturbance and/or a lack of suitable microhabitat features.

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1 Project Location and Description

1.1 Project Location

The Maverik Store Project (project) proposes to develop a vacant property (Assessor's Parcel Number [APN] 117-0220-019) located at the intersection of Sheldon Road and West Stockton Boulevard with a small convenience store, gas station, and other associated amenities (Figure 1, Project Location). The 3.66-acre Project Study Area (PSA) includes an existing drainage ditch along the southern and eastern boundaries. The PSA is located in the southeast corner of City of Sacramento limits and is surrounded by the City of Elk Grove to the south and east.

The PSA is located in Township 7 North, Range 5 East, Section 23 of the *Florin* U.S. Geological Survey (USGS) 7.5-minute quadrangle. The approximate center of the PSA corresponds to 38° 26' 20.8824" north latitude and - 121° 24' 15.6996" west longitude.

1.2 Project Description

The proposed project includes a 5,637 square foot (sf) single-story convenience store with a small outdoor dining area, a covered 16-pump gas station, parking for up to 41 vehicles including two Americans with Disabilities Act (ADA) spaces, space for two high-speed Level III electric vehicle (EV) charging stations, and bike storage. The proposed project also includes two side-by-side underground fuel storage tanks and landscaping. The convenience store and gas station would be open 24 hours a day, seven days a week (24/7) and would employ 15 to 18 people. Five to eight employees would be on shift at a given time. The convenience store would offer food to order. Project access would be via driveways along Sheldon Road and West Stockton Boulevard. The driveway along Sheldon Road would be limited to right in and right out only.

Utilities

Existing water and sewer utility mains would need to be extended to the project site for the project to tie into. An existing sewer line is located approximately 400 feet north of the site in West Stockton Boulevard. Existing water mains are located approximately 1,340 feet north of the site in West Stockton Boulevard and 1,150 feet west of the site in Sheldon Road. The water mains would be required to be extended and connected at the intersection of the two roadways. Existing storm drain infrastructure is in the Caltrans-owned drainage swale running along the southerly and easterly sides of the project site. The project also involves relocation of existing overhead power poles and streetlights along Sheldon Road.

Landscaping, Lighting and Signage

The project would include removal of two trees along the western boundary of the site. The project's landscaping plan includes planting a mix of trees along the perimeter of the project site including nine Redbud, ten Red Crape Myrtle, nine Valley Oak, six Cork Oak, and three Northern Red Oak along with a mix of shrubs and groundcover. A total of approximately 37 new trees would be planted per the project's Landscape Plan.

The project would include seven freestanding light poles evenly distributed throughout the parking and driveway areas. These light fixtures would be downward facing, light-emitted diode (LED), and mounted to poles

approximately 17 feet tall. Other light fixtures are proposed along the perimeter of the convenience store building and recessed within the fueling canopy. Signage would include building wall signage and one dual-face single pole sign approximately 35 feet in height at the southeastern corner of the site along the intersection of Sheldon Road and West Stockton Boulevard.

Off-Site Improvements

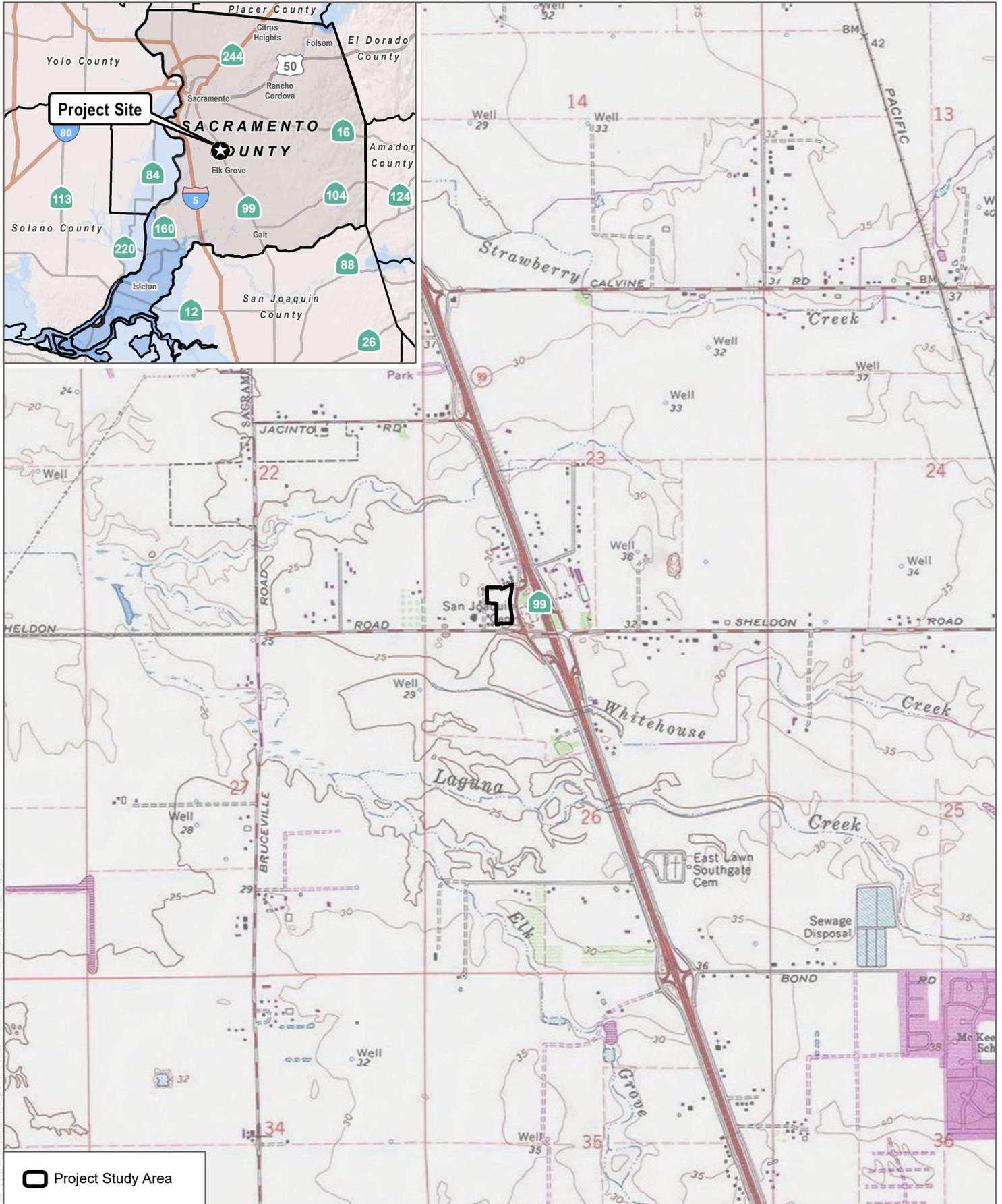
Road widening for Sheldon Road and West Stockton Boulevard would be required by the City of Sacramento. Widening for a deceleration lane to the proposed driveway including new curb, gutter and sidewalk are required for Sheldon Road. Widening for a dual left-turn lane including new curb, gutter and sidewalk are required for West Stockton Boulevard. Driveway construction would also involve the installation of two new culverts within a drainage swale along Sheldon Road and West Stockton Boulevard. The project also includes the relocation of a bus stop pad approximately 100 feet west of the site, along Sheldon Road.

Project Construction

If the project is approved construction would take approximately nine months to complete. Construction of the underground fuel storage tank would require excavating an area 10 to 12-feet deep. The earthwork would be balanced on site and is estimated at approximately 5,000 cubic yards (cy) of cut and 5,000 cy of fill. The project would also include signage that would be permitted under a future ministerial permit.

Required Project Approvals

The project includes a Conditional Use Permit for the gas station and a variance for the driveway location near the property line along Sheldon Road, which are discretionary approvals, along with a variety of ministerial permits including a tree permit relating to the tree removal and a sign permit. Permits from other agencies may be required. These include a permit to construct and operate the gas station from the Sacramento Metropolitan Air Quality Management District (SMAQMD) and an encroachment permit for work in the Caltrans right of way that would be issued by Caltrans District 3.



SOURCE: USGS 7.5-Minute Series Florin Quadrangle



FIGURE 1

Project Location

Biological Resources Assessment for the Maverik Store at Sheldon Road and West Stockton Boulevard

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SOURCE: Bing Maps (Accessed 2021), Sacramento County 2019



FIGURE 2
Project Site

Biological Resources Assessment for the Maverik Store at Sheldon Road and West Stockton Boulevard

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2 Project Setting

This report evaluated resources present within the approximately 3.66-acre PSA (Figure 2, Project Site), which comprises a large portion of APN 117-0220-019.

2.1 Environmental Setting

The PSA is currently unoccupied, undeveloped, and vacant. Topography in the PSA is generally flat, within an elevation of approximately 31 feet above mean sea level. There is an existing drainage ditch located between a separated sidewalk and electrical power poles along the southern and eastern perimeter of the PSA. The PSA contains three small (less than six inches in diameter at breast height) Callery pear (*Pyrus calleryana*) trees along the western boundary and within the drainage ditch. Adjacent land uses include a mix of residential, retail, and semi-public uses. Residences are located directly to the north, south, and west of the site; retail businesses are across Sheldon Road to the southwest of the site; and the San Joaquin Cemetery is located across West Stockton Boulevard to the east of the site.

2.1.1 Soils

Two soil types occur in the PSA: San Joaquin silt loam, leveled, 0 to 1 percent slopes, and San Joaquin-Galt complex, 0 to 3 percent slopes (Figure 3, Soils).

2.1.2 Hydrology

The PSA is within the Laguna Creek subwatershed (Hydrologic Unit Code 180201630403; Figure 4, Hydrologic Setting) of the Morrison Creek watershed, which drains approximately 48 square miles of Sacramento County (CDFW 2021a).

The PSA appears to have experienced decades of disturbance by mowing, discing, and other ground disturbance activities, interrupting any natural hydrology that may have previously existed. Surface run-off in the PSA is directed in a southeasterly direction to an unnamed drainage ditch that flows south and then west along the perimeter of the PSA. An inundated portion within the southeast corner of the drainage ditch supports a freshwater emergent wetland that appears to have been created by regular irrigation runoff from the San Joaquin Cemetery via a culvert under West Stockton Boulevard. The drainage ditch continues off-site to the south via a culvert under Sheldon Road, and may have indirect downstream connectivity to Laguna Creek, which flows from east to west approximately 0.5-mile south of the PSA. Laguna Creek terminates into the Sacramento River approximately 5 miles west of the PSA.

The United States Fish and Wildlife Service (USFWS) National Wetlands Inventory and the United States Geological Survey (USGS) do not identify any waters of the U.S. or state, including wetlands, within the PSA (USFWS 2021; USGS 2021). However, these datasets are mapped at a coarse scale, providing only reconnaissance-level data on the presence, location, and size of waters.

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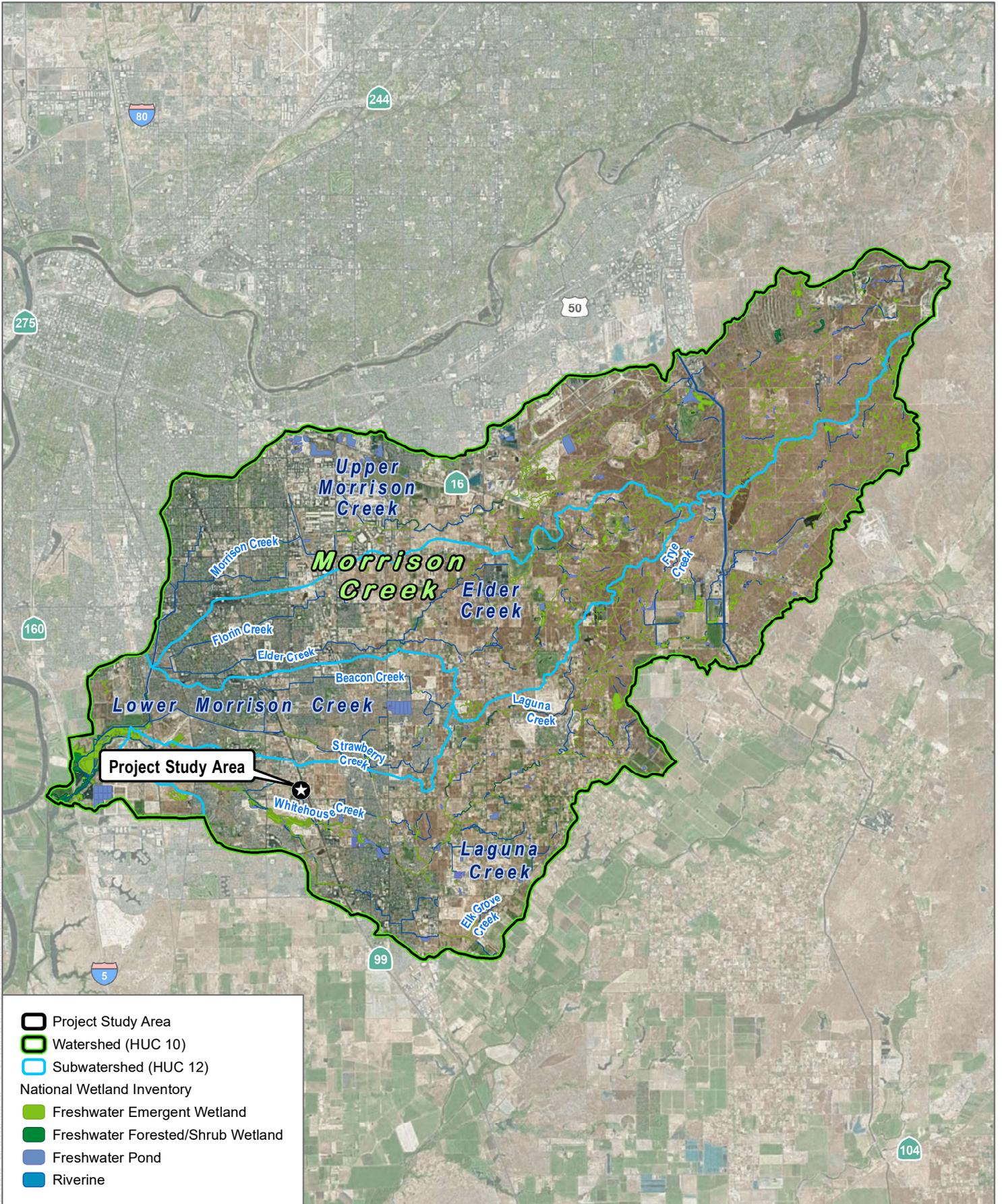
SOURCE: Bing Maps (Accessed 2021), Sacramento County 2019, USDA 2019

FIGURE 3
Soils



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SOURCE: USGS 2019, USFWS 2019, ESRI (Accessed 2020)



FIGURE 4

Hydrologic Setting

Biological Resources Assessment for the Maverik Store at Sheldon Road and West Stockton Boulevard

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2.2 Regulatory Setting

2.2.1 Federal

Federal Endangered Species Act

The federal Endangered Species Act (FESA) of 1973, as amended, (16 USC 1531 et seq.) serves as the enacting legislation to list, conserve, and protect threatened and endangered species, and the ecosystems on which they depend, from extinction. In addition, for those wildlife species listed as federally endangered, FESA provides for the ability to designate critical habitat, defined as that habitat considered “essential to the conservation of the species” and that “may require special management considerations or protection.” Under FESA Section 7, if a project that would potentially result in adverse impacts to threatened or endangered species includes any action that is authorized, funded, or carried out by a federal agency, that agency must consult with the U.S. Fish and Wildlife Service (USFWS) to ensure that any such action is not likely to jeopardize the continued existence of any endangered species or threatened species or result in the destruction or adverse modification of designated critical habitat for that species. FESA Section 9(a)(1)(B) prohibits the taking, possession, sale, or transport of any endangered fish or wildlife species. “Take” is defined to mean “harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct” (16 USC 1532 (19)). With respect to any endangered species of plant, Sections 9(a)(2)(A) and 9(a)(2)(B) prohibit the possession, sale, and import or export, of any such species, and prohibits any action that would “remove and reduce to possession any such species from areas under federal jurisdiction; maliciously damage or destroy any such species on any such area; or remove, cut, dig up, or damage or destroy any such species on any other area in knowing violation of any law or regulation of any State or in the course of any violation of a State criminal trespass law.” Pursuant to FESA Section 10(a)(1)(B), the USFWS may issue a permit for the take of threatened or endangered species provided that such taking is “incidental to, and not the purpose of, the carrying out of an otherwise lawful activity.”

Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) regulates or prohibits taking, killing, possession of, or harm to migratory bird species listed in Title 50, Section 10.13 of the Code of Federal Regulations. The MBTA is an international treaty for the conservation and management of bird species that migrate through more than one country and is enforced in the United States by the U.S. Fish and Wildlife Service. Hunting of specific migratory game birds is permitted under the regulations listed in Title 50, Section 20 of the Code of Federal Regulations. The MBTA was amended in 1972 to include protection for migratory birds of prey (raptors). On December 22, 2017, the Department of Interior issued a legal opinion (M-Opinion 37050) that interpreted the above prohibitions as only applying to direct and purposeful actions of which the intent is to kill, take, or harm migratory birds; their eggs; or their active nests. Incidental take of birds, eggs, or nests that are not the purpose of such an action, even if there are direct and foreseeable results, was not prohibited. On January 7, 2021, the USFWS published a final rule (the January 7th rule) that codified the previous administration’s interpretation, which after further review was determined to be inconsistent with the majority of relevant court decisions and readings of the MBTA’s text, purpose, and history. However, a final rule revoking the January 7th rule was published on October 4, 2021 and went into effect on December 3, 2021. In their summary of the October 4, 2021 final rule, the USFWS explained that “the immediate effect of this final rule is to return to implementing the MBTA as prohibiting incidental take and applying enforcement discretion, consistent with judicial precedent and longstanding agency practice prior to 2017” (86 FR 54642).

Federal Clean Water Act (Section 404)

The objective of the Clean Water Act (CWA) is to restore and maintain the chemical, physical, and biological integrity of the nation's waters. Under Section 404 of the CWA, the U.S. Army Corps of Engineers (USACE) has the authority to regulate activities that could discharge fill or dredge material or otherwise adversely modify wetlands or other waters of the United States. The USACE implements the federal policy embodied in Executive Order 11990, which, when implemented, is intended to result in no net loss of wetland values or function.

Federal Clean Water Act (Section 401)

The State Water Resources Control Board has authority over wetlands through Section 401 of the CWA, as well as the Porter–Cologne Act, California Code of Regulations Section 3831(k), and California Wetlands Conservation Policy. The CWA requires that an applicant for a Section 404 permit (to discharge dredge or fill material into waters of the United States) first obtain certification from the appropriate state agency stating that the fill is consistent with the state's water quality standards and criteria. In California, the authority to either grant certification or waive the requirement for permits is delegated by the State Water Resources Control Board to the nine regional boards. The Central Valley Regional Water Quality Control Board (RWQCB) has authority for Section 401 compliance in the project area. A request for certification is submitted to the regional board at the same time that an application is filed with the USACE.

2.2.2 State

California Endangered Species Act

Under the California Endangered Species Act (CESA), the California Fish and Wildlife Commission has the responsibility of maintaining a list of threatened species and endangered species. The California Department of Fish and Wildlife (CDFW) also maintains lists of species of special concern. A Species of Special Concern is a species, subspecies, or distinct population of an animal native to California that currently satisfies one or more of the following (not necessarily mutually exclusive) criteria:

- Is extirpated from the state or, in the case of birds, in its primary seasonal or breeding role
- Is listed as threatened or endangered federally, but not by the state
- Meets the state definition of threatened or endangered, but has not formally been listed
- Is experiencing, or formerly experienced, serious (noncyclical) population declines or range retractions (not reversed) that, if continued or resumed, could qualify it for threatened or endangered status by the state
- Has naturally small populations exhibiting high susceptibility to risk from any factor(s) that, if realized, could lead to declines that would qualify it for threatened or endangered status by the state

The CESA prohibits the take of state-listed animals and plants in most cases, but CDFW may issue incidental take permits under special conditions. Pursuant to the requirements of the CESA, a state agency reviewing a project within its jurisdiction must determine whether any state-listed endangered or threatened species could be present on the property and determine whether the project would have a potentially significant impact on such species.

Fish and Game Code Sections 3503, 3511, 3513

Section 3503 of the Fish and Game Code states that it is unlawful to take, possess, or needlessly destroy the nests or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto. Section

3503.5 protects all birds of prey (raptors) and their eggs and nests. Section 3511 states that fully protected birds or parts thereof may not be taken or possessed at any time. Section 3513 states that it is unlawful to take or possess any migratory non-game bird as designated in the MBTA.

Fish and Game Code Section 4150

California Fish and Game Code Section 4150 states a mammal occurring naturally in California that is not a game mammal, fully protected mammal, or fur-bearing mammal is a non-game mammal. A non-game mammal may not be taken or possessed under this code. All bat species occurring naturally in California are considered non-game mammals and are therefore prohibited from take as stated in California Fish and Game Code Section 4150.

California Department of Fish and Wildlife Lake and Streambed Alteration Agreement

Under Sections 1600–1616 of the California Fish and Game Code, the CDFW regulates activities that would alter the flow, bed, channel, or bank of streams and lakes. The limits of CDFW’s jurisdiction are defined in the code as the “... bed, channel or bank of any river, stream, or lake designated by the department in which there is at any time an existing fish or wildlife resource or from which these resources derive benefit ...” (Section 1601). In practice, the CDFW usually marks its jurisdictional limit at the top of the stream or bank, or at the outer edge of the riparian vegetation, whichever is wider.

California Department of Fish and Wildlife Wetlands Protection Regulations

CDFW derives its authority to oversee activities that affect wetlands from state legislation. This authority includes Sections 1600–1616 of the Fish and Game Code (lake and streambed alteration agreements), the California Endangered Species Act (protection of state-listed species and their habitats, which could include wetlands), and the Keene–Nejedly California Wetlands Preservation Act of 1976 (states a need for an affirmative and sustained public policy program directed at wetlands preservation, restoration, and enhancement). In general, the CDFW asserts authority over wetlands within the state through any of the following: review and comment on ACOE Section 404 permits, review and comment on California Environmental Quality Act (CEQA) documents, preservation of state-listed species, or through lake and streambed alteration agreements.

Sensitive Natural Communities

Section 1940 of the California Fish and Game Code requires CDFW to develop and maintain a vegetation mapping standard for the state. More than half of the vegetation communities in the state have been mapped through the Vegetation Classification and Mapping Program.

Natural vegetation communities are evaluated by CDFW and are assigned global (G) and state (S) ranks based on rarity of and threats to these vegetation communities in California. Natural communities with ranks of S1–S3 are considered sensitive natural communities to be addressed in the environmental review processes of CEQA and its equivalents. Sensitive natural communities are defined by CDFW as vegetation alliances with state ranks of S1–S3 (S1: critically imperiled; S2: imperiled; S3: vulnerable), as identified in the 2010 List of Vegetation Alliances and Associations and subsequent updates. Additionally, all vegetation associations within the alliances with ranks of S1–S3 are considered sensitive habitats. CEQA requires that impacts to sensitive natural communities be evaluated and mitigated to the extent feasible.

Sensitive natural communities are communities that have a limited distribution and are often vulnerable to the environmental effects of projects. These communities may or may not contain special-status species or their habitats. For purposes of this assessment, sensitive natural communities are considered to include vegetation

communities listed in CDFW's California Natural Diversity Database and communities listed in the Natural Communities List with a rarity rank of S1 (critically imperiled), S2 (imperiled), or S3 (vulnerable).

Porter–Cologne Water Quality Control Act

The Porter–Cologne Water Quality Control Act established the State Water Resources Control Board (SWRCB) and each RWQCB as the principal state agencies responsible for the protection of water quality in California. The Central Valley RWQCB has regulatory authority over the project area.

The RWQCB regulates discharging waste, or proposing to discharge waste, within any region that could affect a water of the state (California Water Code, Section 13260(a)), pursuant to provisions of the Porter-Cologne Water Quality Control Act. The SWRCB defines a waters of the State as “any surface water or groundwater, including saline waters, within the boundaries of the state” (California Water Code, Section 13050(e)). As of April 2019, the SWRCB has narrowed their definition of a waters of the state to include the following:

1. *Natural wetlands,*
2. *Wetlands created by modification of a surface water of the state,*
3. *Artificial wetlands that meet any of the following criteria:*
 - a. *Approved by an agency as compensatory mitigation for impacts to other waters of the state, except where the approving agency explicitly identifies the mitigation as being of limited duration;*
 - b. *Specifically identified in a water quality control plan as a wetland or other water of the state;*
 - c. *Resulted from historic human activity, is not subject to ongoing operation and maintenance, and has become a relatively permanent part of the natural landscape; or*
 - d. *Greater than or equal to one acre in size unless the artificial wetland was constructed and is currently used and maintained, primarily for one or more of the following purposes: industrial or municipal wastewater treatment or disposal; settling of sediment; detention, retention, infiltration, or treatment of stormwater run-off and other pollutants or run-off subject to regulation under a municipal, construction, or industrial permitting program; treatment of surface waters; agricultural crop irrigation or stock watering; fire suppression; industrial processing or cooling water; active surface mining – even if the site is managed for interim wetlands functions and values; log storage; treatment, storage, or distribution of recycled water; maximizing groundwater recharge (this does not include wetlands that have incidental groundwater recharge benefits); or fields flooded for rice growing.*

All waters of the U.S. are waters of the state. Wetlands such as isolated seasonal wetlands that are not generally considered waters of the U.S. are considered waters of the state if, “under normal circumstances, (1) the area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both; (2) the duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate; and (3) the area’s vegetation is dominated by hydrophytes or the area lacks vegetation.” (State Water Resources Control Board 2019).

Before USACE will issue a CWA Section 404 permit, applicants must receive a CWA Section 401 Water Quality Certification from the RWQCB. If a CWA Section 404 permit is not required for the project, the RWQCB may still require a permit (i.e., Waste Discharge Requirement) for impacts to waters of the state under the Porter-Cologne Water Quality Control Act.

3 Methods

3.1 Literature Review

Special-status biological plant and wildlife species present or potentially present on the PSA were identified through a desktop literature search using the following sources: USFWS Information, Planning, and Conservation (IPaC) Trust Resource Report; CDFW California Natural Diversity Database (CNDDDB); and the California Native Plant Society (CNPS) Online Inventory of Rare and Endangered Vascular Plants. Additionally, the Natural Resources Conservation Service's Web Soil Survey was queried to determine soil types that exist within the boundary of the study area (USDA 2021a).

The above-referenced databases were searched for the *Florin* and eight surrounding USGS 7.5-minute quadrangles: *Clarksburg*, *Elk Grove*, *Sacramento West*, *Sacramento East*, *Carmichael*, *Courtland*, *Bruceville*, and *Galt*. CNDDDB search results within three miles of the PSA were overlain on aerial imagery to assess proximity of known occurrences to the study area (Figure 5, CNDDDB Map). Special-status species include those that are considered threatened, endangered, or species of special concern by CDFW, USFWS or the CNPS. California Rare Plant Rank 1 and 2 plant species were analyzed from the CNPS search. Following a review of these resources, Dudek also reviewed relevant life history information on those species documented as occurring in the region, including habitat type, soils, and elevation preferences.

3.2 Field Assessment

On October 4, 2021, Dudek biologist Anna Touchstone performed a biological field survey of the PSA and surrounding area. The survey consisted of walking throughout the PSA and along its periphery to map and characterize vegetation communities; collect data on the relative quality of existing habitats and their potential to support the special-status species identified during the preliminary database and resources review; and to identify any other sensitive biological resources present or potentially present. An aerial photograph (Google 2021) and georeferenced mobile map with an overlay of the property boundary were used in the field to map the vegetation communities and record any special-status or sensitive biological resources.

All plant species encountered during the field surveys were identified to the lowest taxonomic group possible and recorded directly into a field notebook. Common and scientific names for plant species with a California Rare Plant Rank (formerly CNPS List) follow the CNPS online Inventory of Rare, Threatened, and Endangered Plants of California (CNPS 2021). Latin names for all other plant species observed follow the Jepson Interchange List of Currently Accepted Names of Native and Naturalized Plants of California (Jepson Flora Project 2021), and common names follow the U.S. Department of Agriculture's Natural Resources Conservation Service PLANTS Database (USDA 2021c).

Wildlife species detected during the field survey by sight, calls, tracks, scat, or other signs were recorded directly into a field notebook. A list of plant and wildlife species with potential to occur within the PSA is included in

Attachments A and B, respectively. Representative photographs of the PSA are provided in Attachment C. A list of plant and wildlife species identified within the PSA during the October 2021 fieldwork is included in Attachment D.

Dudek's field survey did not include an aquatic resources delineation or focused surveys for special-status plant or animal species. The field survey was sufficient to generally describe those features of the PSA that could be subject to the jurisdiction of the U.S. Army Corps of Engineers, California Department of Fish and Wildlife, and/or the Regional Water Quality Control Board.



SOURCE: Bing Maps (Accessed 2021), Sacramento County 2019

FIGURE 5



Vegetation Communities and Land Covers

Biological Resources Assessment for the Maverik Store at Sheldon Road and West Stockton Boulevard

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4 Results

4.1 Vegetation Communities and Land Cover Types

The land covers within the PSA includes one natural vegetation community, one non-natural land cover type, and two aquatic land cover types (Figure 6, Project Vegetation Communities and Land Cover Types). The vegetation communities and land covers have been adapted from the California Wildlife Habitat Relationships System (CDFW 2021b). The following vegetation communities and land cover types were documented on site and are described in further detail later in this section: non-native grassland, developed, ditch, and freshwater emergent wetland (see Table 1). Refer to Attachment C for representative photographs of on-site vegetation communities and land cover types.

Table 1. Vegetation Communities and Land Cover Types in the Project Study Area

Macrogroup	Vegetation Community/ Land Cover Type	Acres	Linear Feet
Terrestrial			
Natural Land Cover	Annual Grassland	3.62	NA
Non-Natural Land Cover	Disturbed	<0.01	NA
Total		3.63	NA
Aquatic			
Potential Non-Wetland Water	Ditch	0.03	302
Potential Wetland	Freshwater Emergent Wetland	<0.01	3.5
Total		0.03	305.5

4.1.1 Terrestrial Land Cover Types

Non-native Grassland. Nearly all the PSA is highly disturbed annual grassland dominated by non-native wild oats (*Avena* spp.) and bromes (*Bromus* spp.). Although undeveloped, this community has experienced regular disturbance for decades from mowing and discing. Small Callery pear trees are present along the margins of this community. A drainage ditch and freshwater emergent wetland occur along the eastern and southern boundary of this community and is described in more detail in Section 4.1.3.

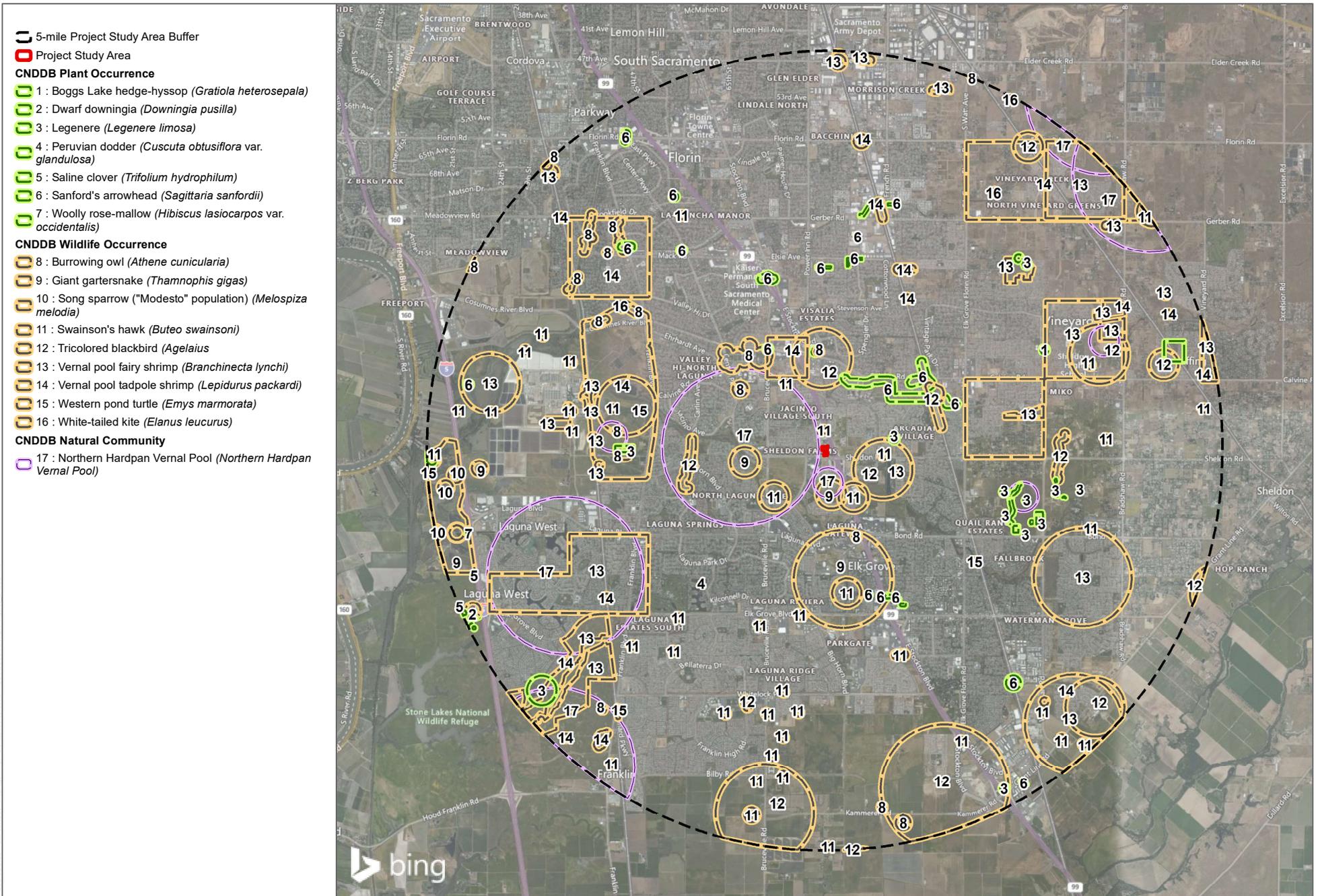
Developed. A small portion of a paved driveway is located within the northeastern corner of the PSA. This area is devoid of vegetation and was being used for vehicle parking associated with the adjacent apartment complex at the time of the survey.

4.1.2 Aquatic Land Cover Types

Ditch. One drainage ditch flows to the southwest along the eastern and southern perimeter of the PSA. This unnamed drainage ditch varies in depth and width along the perimeter of the PSA but is generally four feet deep and 20 feet wide. The feature supported annual grassland species consistent with the surrounding upland, but also

includes facultative species along its bed and banks, including perennial pepper weed (*Lepidium latifolium*), fennel (*Foeniculum vulgare*), Italian rye grass (*Festuca perennis*), and curly dock (*Rumex crispus*). Ponded water, approximately 2 inches deep, was present within the southeastern corner of the drainage at the location of the freshwater emergent wetland (described below). Evidence of an OHWM included bed and bank, soil cracks, and a change in plant community and cover.

Freshwater Emergent Wetland. This community is characterized by frequent flooding that supports erect, rooted herbaceous hydrophytes, including umbrella plant (*Cyperus involucre*) and narrowleaf cattail (*Typha angustifolia*). This community occurs within the southeastern corner of the drainage ditch, which appears to receive regular irrigation runoff from the San Joaquin Cemetery to the east via a culvert under West Stockton Road.



SOURCE: Bing Maps 2021, CDFW 2021

FIGURE 6

CNDDB Occurrences

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4.2 Plant and Wildlife Species Observed

A total of 20 species of vascular plants, including 4 native (20%) and 16 non-native (80%) plant species were recorded during the October 4, 2021 field survey (see Attachment D). Two (2) native wildlife species were also recorded. The lack of species diversity and presence of non-native species reflect the disturbed conditions of the PSA.

4.3 Special-Status Species Potentially Occurring on within the Project Study Area

This section discusses special-status plant and wildlife species determined to have the potential to occur within the PSA based on the literature review and field assessment of existing habitats. Tables summarizing the potential occurrence of special-status plant and wildlife species are included in Attachment A and B, respectively. Species are not expected to occur if the property is clearly outside the known geographic range of the species, or if no suitable habitat for the species is present on or adjacent to the site.

4.3.1 Special-Status Plants

Results of the CNDDDB and CNPS searches revealed 23 special-status plant species that have potential to occur in the 9-quad search area (see Attachment A). An abbreviated list of those special-status species with potential to occur within the PSA was then produced based on habitat suitability, elevation, soils, geographic range, and past occurrence data in the region (listed in the following paragraph). Plants with no potential to occur within the PSA due to lack of suitable soils or habitat, or because the PSA is outside their known elevation or geographic ranges, are not discussed further in this document.

Of the 23 special-status plant species, one has moderate potential to occur within the PSA, Sanford's arrowhead (*Sagittaria sanfordii*, CNPR rank 1B.2), and five have low potential to occur within the PSA, including watershield (*Brasenia schreberi*, CNPR rank 2B.3), bristly sedge (*Carex comosa*, CNPR rank 2B.1), Bolander's water-hemlock (*Cicuta maculata* var. *bolanderi*, CNPR 2B.1), Peruvian dodder (*Cuscuta obtusiflora* var. *glandulosa*, CNPR 2B.2), and Delta tule pea (*Lathyrus jepsonii* var. *jepsonii*, CNPR 1B.2). The PSA provides low to marginal quality habitat for these species due to regular disturbance and the overall dominance of non-native plants. None of these species were observed during the October 2021 field survey; however, the timing of this visit was outside the bloom period for most species.

4.3.2 Special-Status Wildlife

Results of the CNDDDB and USFWS searches revealed 25 listed or special-status wildlife species, or species proposed for listing as rare, threatened, or endangered by either the CDFW or the USFWS that have potential to occur in the nine-quad database search area. Of these, 22 were removed from consideration due to lack of suitable habitat within or adjacent to the PSA, or due to the PSA being outside of the species' known range (see Attachment B).

The PSA provides potential habitat for birds of prey and migratory birds, including the burrowing owl (*Athene cunicularia*), a California Species of Special Concern (SSC), and the state-threatened Swainson's hawk (*Buteo swainsoni*). Additionally, the PSA provides potential foraging habitat for the state-threatened and SSC tricolored blackbird (*Agelaius tricolor*) and native bats, although nesting/roosting habitat is absent. Land covers on site

provide poor to marginal quality habitat for these species due to regular human disturbance, surrounding development, and/or a lack of suitable microhabitat features. None of these species were detected during the October 2021 field survey, except for common and migratory birds protected by California Fish and Game Code and/or the MBTA. Special-status species with a potential to occur on site are discussed in detail below.

Nesting and Migratory Birds and Birds of Prey, including the Burrowing Owl and Swainson's Hawk. Small trees and annual grassland provide potential nesting habitat for numerous native bird species, including the burrowing owl. Although the Swainson's hawk would not be expected to nest on-site, suitable nesting trees are located immediately adjacent to the PSA. Migratory bird species are protected by the federal MBTA and native birds of prey are protected by Section 3503.5 of the California Fish and Game Code. The Swainson's hawk is protected by the California Endangered Species Act.

Species that Would Use the PSA for Foraging Only, Including Tricolored Blackbird and Native Bats. The tricolored blackbird and native bats could forage within the PSA but would not nest on site. These species are highly mobile while foraging. Although a small area of annual grassland would no longer be available as foraging habitat for these species following project development, these species are expected to use this parcel infrequently under existing conditions given the PSA's location within a matrix of generally unsuitable urban development. Moreover, similar or higher quality habitats are regionally abundant.

4.4 Potentially Jurisdictional Aquatic Resources

As previously described in Section 4.1.3, Aquatic Habitat Types, two aquatic resources were identified within the PSA, although a formal delineation of jurisdictional aquatic resources was not conducted. Both of these features may be subject to the jurisdiction of the U.S. Army Corps of Engineers, California Department of Fish and Wildlife, and/or the Regional Water Quality Control Board.

4.5 Sensitive Natural Communities

The PSA contains a portion of a freshwater emergent wetland, which may be considered a sensitive natural community regulated by CDFW under California Fish and Game Code Section 1600.

One CNDDDB Natural Community that may be considered sensitive, Northern Hardpan Vernal Pool, is mapped within the western portion of the PSA (Occ. No. 97; CDFW 2021). However, this 1983 occurrence mapped using aerial imagery is described in CNDDDB as being located south of Cosumnes River College and west of Bruceville Road. Therefore, this habitat was documented outside of the PSA.

4.6 Wildlife Corridors and Habitat Linkages

The PSA is an isolated undeveloped parcel bound on all sides by development and is not considered a wildlife corridor or habitat linkage.

5 Literature Cited

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Attachment A

Special-Status Plants with Potential To Occur

ATTACHMENT A / SPECIAL-STATUS PLANT POTENTIAL TO OCCUR WITHIN THE PROJECT STUDY AREA

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Astragalus tener</i> var. <i>tener</i>	alkali milk-vetch	None/None/1B.2	Playas, Valley and foothill grassland (adobe clay), Vernal pools; alkaline/annual herb/Mar-June/3-195	Not expected to occur. Suitable vernal pool habitat is absent from the PSA. Any suitable habitat that may have been present has been eliminated by intensive human disturbance. The only CNDDDB record of this species within the 9-quad search area is located within alkaline sink habitat over 13 miles northwest of the PSA from 1954. Moreover, alkaline soils are absent from the PSA.
<i>Brasenia schreberi</i>	watershield	None/None/2B.3	Marshes and swamps (freshwater)/perennial rhizomatous herb (aquatic)/June-Sep/98-7,215	Low potential to occur. Suitable habitat is present within the freshwater emergent wetland. The only CNDDDB record of this species within the 9-quad search area is located within Stone Lakes National Wildlife Refuge approximately 7 miles southwest of the PSA from 1976.
<i>Carex comosa</i>	bristly sedge	None/None/2B.1	Coastal prairie, Marshes and swamps (lake margins), Valley and foothill grassland/perennial rhizomatous herb/May-Sep/0-2,050	Low potential to occur. Suitable habitat is present within the freshwater emergent wetland. The CNDDDB lists several occurrences located within Stone Lakes National Wildlife Refuge approximately 7 miles southwest of the PSA, the closest of which is from 2009.
<i>Centromadia parryi</i> ssp. <i>parryi</i>	pappose tarplant	None/None/1B.2	Chaparral, Coastal prairie, Meadows and seeps, Marshes and swamps (coastal salt), Valley and foothill grassland (vernally mesic); often alkaline/annual herb/May-Nov/0-1,375	Not expected to occur. Suitable habitat is present within the freshwater emergent wetland. However, alkaline soils often

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
				required by this species are absent from the PSA, and the only CNDDDB record of this species within the 9-quad search is believed to be extirpated.
<i>Cicuta maculata</i> var. <i>bolanderi</i>	Bolander's water-hemlock	None/None/2B.1	Marshes and swamps Coastal, fresh or brackish water/perennial herb/July-Sep/0-655	Low potential to occur. Suitable habitat is present within the freshwater emergent wetland. The only CNDDDB record of this species within the 9-quad search area is located along Snodgrass Slough approximately 13 miles southwest of the PSA from 1993.
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	Peruvian dodder	None/None/2B.2	Marshes and swamps (freshwater)/annual vine (parasitic)/July-Oct/49-920	Low potential to occur. Suitable habitat is present within the freshwater emergent wetland. The only CNDDDB record of this species within the 9-quad search area is located along Laguna Lake approximately 2 miles southwest of the PSA from 1995.
<i>Downingia pusilla</i>	dwarf downingia	None/None/2B.2	Valley and foothill grassland (mesic), Vernal pools/annual herb/Mar-May/3-1,455	Not expected to occur. Suitable vernal pool habitat is absent from the PSA. Any suitable habitat that may have been present has been eliminated by intensive human disturbance. The closest CNDDDB occurrences are located within a natural vernal pool complex north of Laguna Creek,

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
				approximately 2 miles east of the PSA from 1991 and 2002.
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop	None/SE/1B.2	Marshes and swamps (lake margins), Vernal pools; clay/annual herb/Apr–Aug/33–7,790	Not expected to occur. Suitable vernal pool and lake margin habitat is absent from the PSA. Any suitable habitat that may have been present has been eliminated by intensive human disturbance. The closest CNDDDB occurrence is located within a natural vernal pool complex north of Laguna Creek, approximately 2 miles east of the PSA from 1995.
<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	None/None/1B.2	Marshes and swamps (freshwater); Often in riprap on sides of levees./perennial rhizomatous herb (emergent)/June–Sep/0–395	Not expected to occur. Suitable riverbank habitat is absent from the PSA. All CNDDDB occurrences within the vicinity occur along the Sacramento River and adjacent Stone Lakes National Wildlife Refuge, located approximately 5 miles west of the PSA.
<i>Juncus leiospermus</i> var. <i>ahartii</i>	Ahart's dwarf rush	None/None/1B.2	Valley and foothill grassland (mesic)/annual herb/Mar–May/98–750	Not expected to occur. Suitable vernal pool habitat is absent from the PSA. Any suitable habitat that may have been present has been eliminated by intensive human disturbance. The only CNDDDB occurrence within the 9-quad search area is located within vernal pool complex, habitat approximately 10 miles northeast of the PSA from 2006.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Lasthenia chrysantha</i>	alkali-sink goldfields	None/None/1B.1	Vernal pools; alkaline/annual herb/Feb–Apr/0–656	Not expected to occur. Suitable vernal pool habitat is absent from the PSA. Any suitable habitat that may have been present has been eliminated by intensive human disturbance. The only CNDDDB record of this species within the 9-quad search area is located within Stone Lakes National Wildlife Refuge approximately 6 miles southwest of the PSA from 2009. Moreover, alkaline soils are absent from the project site and PSA.
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	None/None/1B.2	Marshes and swamps (freshwater and brackish)/ perennial herb/May–July(Aug–Sep)/0–15	Low potential to occur. Suitable habitat is present within the freshwater emergent wetland. All CNDDDB occurrences within the vicinity occur within the waterways between the Sacramento River and Stone Lakes National Wildlife Refuge, located approximately 10 miles southwest of the PSA.
<i>Legenere limosa</i>	legenere	None/None/1B.1	Vernal pools/annual herb/Apr–June/3–2,885	Not expected to occur. Suitable vernal pool habitat is absent from the PSA. Any suitable habitat that may have been present has been eliminated by intensive human disturbance. The closest CNDDDB occurrence of this species is located less than one mile east of the PSA from 1993, and has since been

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
				extirpated by residential development.
<i>Lepidium latipes</i> var. <i>heckardii</i>	Heckard's pepper-grass	None/None/1B.2	Valley and foothill grassland (alkaline flats)/annual herb/Mar-May/7-655	Not expected to occur. Suitable habitat is absent from the PSA. Any suitable habitat that may have been present has been eliminated by intensive human disturbance. The only two CNDDDB records within the 9-quad search area are located within Stone Lakes National Wildlife Refuge approximately 6 miles southeast of the PSA from 2010. Moreover, alkaline soils are absent from the project site and PSA.
<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	None/SR/1B.1	Marshes and swamps (brackish or freshwater), Riparian scrub/perennial rhizomatous herb/Apr-Nov/0-35	Not expected to occur. Suitable tidal wetlands are absent from the PSA.
<i>Limosella australis</i>	Delta mudwort	None/None/2B.1	Marshes and swamps (freshwater or brackish), Riparian scrub; Usually mud banks/perennial stoloniferous herb/May-Aug/0-10	Not expected to occur. Suitable tidal mudflats are absent from the PSA.
<i>Orcuttia tenuis</i>	slender Orcutt grass	FT/SE/1B.1	Vernal pools; Often gravelly./annual herb/May-Sep(Oct)/115-5,770	Not expected to occur. Suitable vernal pool habitat is absent from the PSA. Any suitable habitat that may have been present has been eliminated by intensive human disturbance. The only two CNDDDB records within the 9-quad search area are located within a vernal pool complex approximately 6 miles northeast of the PSA from 2010.

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Orcuttia viscida</i>	Sacramento Orcutt grass	FE/SE/1B.1	Vernal pools/annual herb/Apr–July(Sep)/98–330	Not expected to occur. Suitable vernal pool habitat is absent from the PSA. Any suitable habitat that may have been present has been eliminated by intensive human disturbance. The only CNDDDB record within the 9-quad search area is located within a vernal pool complex approximately 7 miles northeast of the PSA from 1998.
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	None/None/1B.2	Marshes and swamps (assorted shallow freshwater)/perennial rhizomatous herb (emergent)/May–Oct(Nov)/0–2,130	Moderate potential to occur. Suitable habitat is present within the freshwater emergent wetland. The CNDDDB lists numerous occurrences within artificial and natural waterways in the vicinity, the closest of which is located within Strawberry Creek approximately 0.8-mile northeast of the PSA from 1996.
<i>Scutellaria galericulata</i>	marsh skullcap	None/None/2B.2	Lower montane coniferous forest, Meadows and seeps (mesic), Marshes and swamps/perennial rhizomatous herb/June–Sep/0–6,885	Not expected to occur. Suitable marsh and swamp habitat is absent from the PSA. Moreover, the only two CNDDDB records are located along Snodgrass Slough approximately 12 miles southwest of the PSA from 2009.
<i>Scutellaria lateriflora</i>	side-flowering skullcap	None/None/2B.2	Meadows and seeps (mesic), Marshes and swamps/perennial rhizomatous herb/July–Sep/0–1,640	Not expected to occur. Suitable marsh and swamp habitat is absent from the PSA. Moreover, all CNDDDB records in the vicinity are located along

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
				Snodgrass Slough approximately 12 miles southwest of the PSA.
<i>Symphyotrichum lentum</i>	Suisun Marsh aster	None/None/1B.2	Marshes and swamps (brackish and freshwater)/ perennial rhizomatous herb/(Apr)May–Nov/0–10	Not expected to occur. Suitable slough habitat is absent from the PSA. The only CNDDDB record within the 9-quad search area is located on the margin of Greens Lake approximately 13 miles northwest of the PSA from 2013.
<i>Trifolium hydrophilum</i>	saline clover	None/None/1B.2	Marshes and swamps, Valley and foothill grassland (mesic, alkaline), Vernal pools/annual herb/ Apr–June/0–985	Not expected to occur. Suitable vernal pool habitat is absent from the PSA. However, alkaline soils required by this species are absent. Moreover, all CNDDDB records in the vicinity are located within Stone Lakes National Wildlife Refuge approximately 5 miles west of the PSA.

Status Legend:

FE = Federally endangered

FT = Federally threatened

SE = State endangered

ST = State threatened

CRPR = California Rare Plant Rank

CRPR 1B: Plants rare, threatened, or endangered in California and elsewhere

CRPR 2B: Plants rare, threatened, or endangered in California but more common elsewhere

.1 Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)

.2 Moderately threatened in California (20–80% occurrences threatened/moderate degree and immediacy of threat)

.3 Not very threatened in California (<20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

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Attachment B

Special-Status Wildlife with Potential To Occur

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Amphibians				
<i>Ambystoma californiense</i>	California tiger salamander	FT/ST, WL	Annual grassland, valley-foothill hardwood, and valley-foothill riparian habitats; vernal pools, other ephemeral pools, and (uncommonly) along stream courses and man-made pools if predatory fishes are absent	Not expected to occur. No suitable aquatic habitat present within the PSA. No burrows observed during October 2021 survey.
<i>Rana draytonii</i>	California red-legged frog	FT/SSC	Lowland streams, wetlands, riparian woodlands, livestock ponds; dense, shrubby or emergent vegetation associated with deep, still or slow-moving water; uses adjacent uplands	Not expected to occur. No suitable aquatic habitat present within the PSA.
<i>Spea hammondi</i>	western spadefoot	None/SSC	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley-foothill woodlands, pastures, and other agriculture	Not expected to occur. No suitable aquatic habitat present within the PSA.
Reptiles				
<i>Actinemys marmorata</i>	northwestern pond turtle	None/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Not expected to occur. Although marginally suitable freshwater emergent wetland habitat is present within the PSA, this wetland has been created by stormwater and irrigation runoff and is hydrologically isolated from other natural water features by culverts under major roadways. The closest suitable habitat for this species is Laguna Creek, located approximately 0.5-mile south of the PSA, where the CNDDDB lists two records for this species.
<i>Thamnophis gigas</i>	giant garter snake	FT/ST	Freshwater marsh habitat and low-gradient streams; also uses canals and irrigation ditches	Not expected to occur. Although marginally suitable freshwater emergent wetland habitat is present within the PSA, this wetland has been created by stormwater and

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
				irrigation runoff and is hydrologically isolated from other natural water features by culverts under major roadways. The closest suitable habitat for this species is Laguna Creek, located approximately 0.5-mile south of the PSA, where the CNDDB lists multiple records for this species.
Birds				
<i>Agelaius tricolor</i> (nesting colony)	tricolored blackbird	BCC/SSC, ST	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture	Low potential to occur. No suitable nesting habitat is present, and ground disturbance from regular mowing and discing activities is expected to discourage use of the PSA by this species for foraging. There are multiple CNDDB records occurrences of this species within 3 miles of the PSA, the closest of which is located 0.5-mile southeast from 2014.
<i>Athene cunicularia</i> (burrow sites and some wintering sites)	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Low potential to occur. No burrows were present during the October 2021 survey, although it is at least theoretically possible that California ground squirrels and subsequently burrowing owls could move onto the undeveloped PSA if maintenance activities ceased before the start of construction. There are multiple CNDDB records of this species within 3 miles of the PSA, the closest of which is located approximately 1 mile south of from 2007.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Buteo swainsoni</i> (nesting)	Swainson's hawk	BCC/ST	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	Moderate potential to occur. Although suitable nesting trees are absent from the PSA itself, numerous suitable nesting trees are located within the immediately vicinity, and the PSA is located within the species' known geographic range. There are numerous CNDDDB records within 3 miles of the project site, the closest of which is a nesting occurrence in a Valley oak located approximately 0.2-mile to the north.
<i>Coccyzus americanus occidentalis</i> (nesting)	western yellow-billed cuckoo	FT/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories	Not expected to occur. No suitable nesting habitat is present. Vegetation within the adjacent freshwater emergent wetland is too sparse to support nesting by this species.
<i>Laterallus jamaicensis coturniculus</i>	California black rail	None/FP, ST	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	Not expected to occur. No suitable nesting habitat is present. Vegetation within the adjacent freshwater emergent wetland is too sparse to support nesting by this species.
<i>Melospiza melodia</i> ("Modesto" population)	song sparrow ("Modesto" population)	None/SSC	Nests and forages in emergent freshwater marsh, riparian forest, vegetated irrigation canals and levees, and newly planted valley oak (<i>Quercus lobata</i>) restoration sites.	Not expected to occur. No suitable nesting habitat is present. Vegetation within the adjacent freshwater emergent wetland is too sparse to support nesting by this species.
<i>Progne subis</i> (nesting)	purple martin	None/SSC	Nests and forages in woodland habitats including riparian, coniferous, and valley foothill and montane woodlands; in the Sacramento region often nests in weep holes under elevated freeways	Not expected to occur. No suitable nesting habitat present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Riparia riparia</i> (nesting)	bank swallow	None/ST	Nests in riparian, lacustrine, and coastal areas with vertical banks, bluffs, and cliffs with sandy soils; open country and water during migration	Not expected to occur. No suitable nesting habitat present.
<i>Vireo bellii pusillus</i> (nesting)	least Bell's vireo	FE/SE	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	Not expected to occur. No suitable nesting habitat is present. Vegetation within the adjacent freshwater emergent wetland is too sparse to support nesting by this species.
<i>Xanthocephalus xanthocephalus</i> (nesting)	yellow-headed blackbird	None/SSC	Nests in marshes with tall emergent vegetation, often along borders of lakes and ponds; forages in emergent wetlands, open areas, croplands, and muddy shores of lacustrine habitat	Not expected to occur. No suitable nesting habitat is present. Vegetation within the adjacent freshwater emergent wetland is too sparse to support nesting by this species.
Fishes				
<i>Archoplites interruptus</i> (within native range only)	Sacramento perch	None/SSC	Historically found in the sloughs, slow-moving rivers, and lakes of the Central Valley	Not expected to occur. No suitable aquatic habitat is present.
<i>Hypomesus transpacificus</i>	Delta smelt	FT/SE	Sacramento–San Joaquin Delta; seasonally in Suisun Bay, Carquinez Strait, and San Pablo Bay	Not expected to occur. No suitable aquatic habitat is present.
<i>Oncorhynchus mykiss irideus</i> pop. 10	southern steelhead - southern California DPS	FE/None	Clean, clear, cool, well-oxygenated streams; needs relatively deep pools in migration and gravelly substrate to spawn	Not expected to occur. No suitable aquatic habitat is present.
<i>Oncorhynchus tshawytscha</i> pop. 17	chinook salmon - California coastal ESU	FT/None	Populations spawning in the Sacramento and San Joaquin Rivers and their tributaries	Not expected to occur. No suitable aquatic habitat is present.
<i>Pogonichthys macrolepidotus</i>	Sacramento splittail	None/SSC	Endemic to the lakes and rivers of the Central Valley, but now confined to the Delta, Suisun Bay, and associated marshes	Not expected to occur. No suitable aquatic habitat is present.
<i>Spirinchus thaleichthys</i>	longfin smelt	FC/ST	Aquatic, estuary	Not expected to occur. No suitable aquatic habitat is present.

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Mammals				
<i>Taxidea taxus</i>	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	Not expected to occur. No suitable grasslands present and the site is located in an area of regular human disturbance. No suitable burrows were observed during the fieldwork.
Invertebrates				
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	FT/None	Vernal pools, seasonally ponded areas within vernal swales, and ephemeral freshwater habitats	Not expected to occur. The PSA lacks vernal pools and/or connectivity to other suitable aquatic habitat.
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle	FT/None	Occurs only in the Central Valley of California, in association with blue elderberry (<i>Sambucus nigra</i> ssp. <i>caerulea</i>)	Not expected to occur. There are no elderberry shrubs present.
<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	FE/None	Ephemeral freshwater habitats including alkaline pools, clay flats, vernal lakes, vernal pools, and vernal swales	Not expected to occur. The PSA lacks vernal pools and/or connectivity to other suitable aquatic habitat.

Status Abbreviations

FE: Federally Endangered
 FT: Federally Threatened
 FDL: Federally Delisted
 BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern
 SSC: California Species of Special Concern
 FP: California Fully Protected Species
 WL: California Watch List Species
 SE: State Endangered
 ST: State Threatened
 PSE: Proposed State Endangered

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Attachment C

Representative Site Photographs

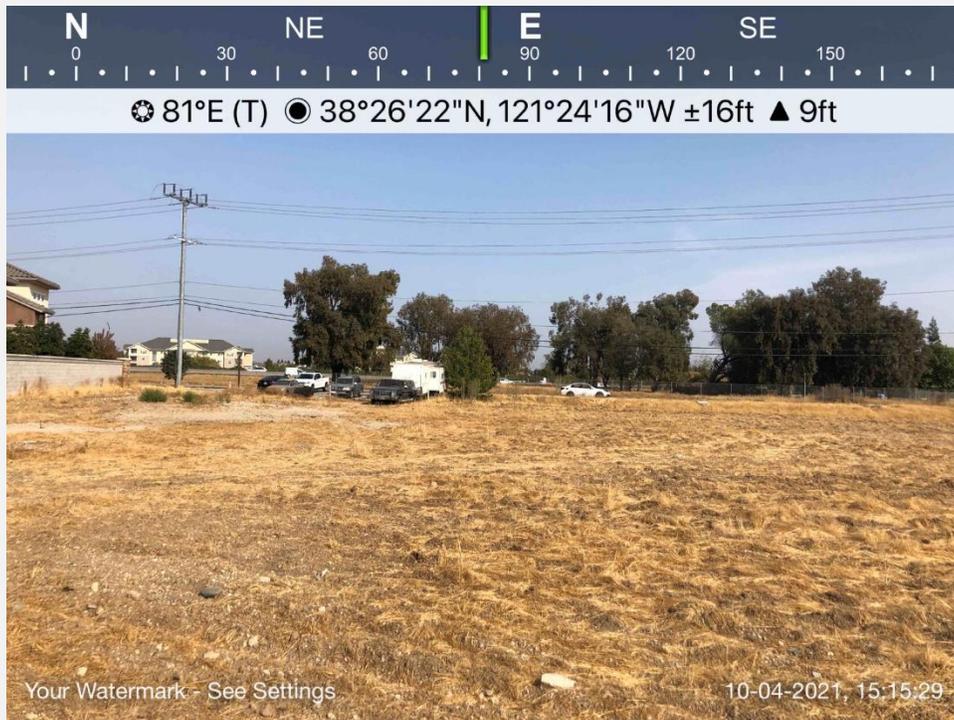


Photo 1. Recently mowed non-native grassland.

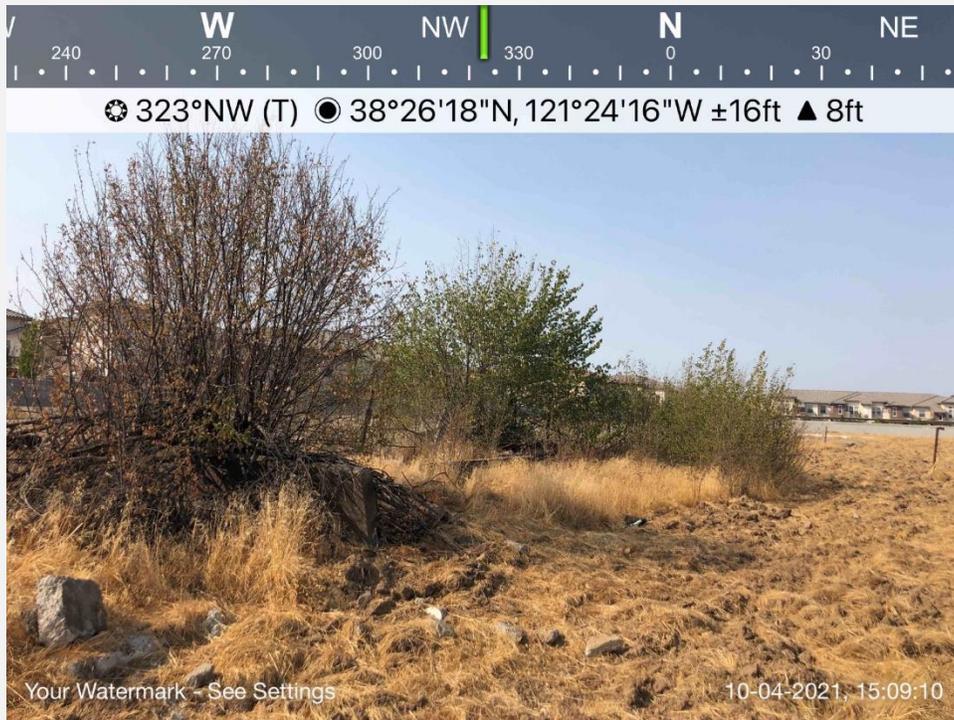


Photo 2. Ornamental sapling thicket along western boundary.



Photo 3. Drainage ditch along eastern boundary.



Photo 4. Freshwater emergent wetland within drainage ditch along eastern and southern boundaries.

Attachment D

Plants and Wildlife Observed On Site During the Site Visit

Vascular Species

Eudicots

APIACEAE—CARROT FAMILY

- * *Foeniculum vulgare*—fennel

APOCYNACEAE—DOGBANE FAMILY

- Asclepias fascicularis*—Mexican whorled milkweed

ASTERACEAE—SUNFLOWER FAMILY

- * *Centaurea solstitialis*—yellow star-thistle
- * *Cichorium intybus*—chicory
- * *Dittrichia graveolens*—stinkwort

BRASSICACEAE—MUSTARD FAMILY

- * *Hirschfeldia incana*—shortpod mustard
- * *Lepidium latifolium*—perennial pepper weed

CONVOLVULACEAE—MORNING-GLORY FAMILY

- * *Convolvulus arvensis*—field bindweed

GERANIACEAE—GERANIUM FAMILY

- * *Geranium dissectum*—cutleaf geranium

ONAGRACEAE—EVENING PRIMROSE FAMILY

- Epilobium brachycarpum*—tall annual willowherb

POLYGONACEAE—BUCKWHEAT FAMILY

- * *Rumex crispus*—curly dock

ROSACEAE—ROSE FAMILY

- * *Pyrus calleryana*—flowering pear

Monocots

CYPERACEAE—SEDGE FAMILY

- * *Cyperus involucratus*—umbrella plant

POACEAE—GRASS FAMILY

- * *Avena fatua*—wild oat
- * *Bromus diandrus*—ripgut brome

Elymus glaucus—blue wildrye

- * *Festuca perennis*—perennial rye grass
- * *Hordeum murinum*—mouse barley
- * *Phalaris aquatica*—Harding grass

TYPHACEAE—CATTAIL FAMILY

Typha angustifolia—narrowleaf cattail

Wildlife Species

Birds

Mockingbirds and Thrashers

MIMIDAE—MOCKINGBIRDS AND THRASHERS

Mimus polyglottos—northern mockingbird

Mammals

Hares and Rabbits

LEPORIDAE—HARES AND RABBITS

Lepus californicus—black-tailed jackrabbit

- * signifies introduced (non-native) species

**APPENDIX C:
GEOTECHNICAL ENGINEERING REPORT**



GEOTECHNICAL ENGINEERING STUDY

Proposed Maverik Store

NWC of Sheldon Road & Stockton Boulevard
Elk Grove, California

CMT PROJECT NO. 14937

FOR:

Cardno, Inc.

1142 West 2320 South, Suite A
West Valley City, Utah 84119

August 4, 2020

ENGINEERING • GEOTECHNICAL • ENVIRONMENTAL (ESA I & II) •
MATERIALS TESTING • SPECIAL INSPECTIONS •
ORGANIC CHEMISTRY • PAVEMENT
DESIGN • GEOLOGY

August 4, 2020

Mr. Russ Hamblin
Cardno, Inc.
1142 West 2320 South, Suite A
West Valley City, Utah 84119

Subject: Geotechnical Engineering Study
Proposed Maverik Store
NWC of Sheldon Road & Stockton Boulevard
Elk Grove, California
CMT Project Number: 14937

Mr. Hamblin:

Submitted herewith is the report of our geotechnical engineering study for the subject site. This report contains the results of our findings and an engineering interpretation of the results with respect to the available project characteristics. It also contains recommendations to aid in the design and construction of the earth related phases of this project.

On July 16 and 17, 2020, a total of 6 bore holes were augered/drilled at the site extending to depths between about 5.5 and 71.5 feet below the existing ground surface. Soil samples were obtained in the bore holes during the field operations and subsequently transported to our laboratory for further testing and observation.

Natural soils consisted of silty clay, silt and silty/clayey sand layers. Groundwater was encountered at a depth of about 55 feet below the surface. Based upon the results of our study the proposed structures may be supported on conventional strip and spread footings founded on suitable, undisturbed natural soils or engineered fill placed on suitable, undisturbed natural soils. A detailed discussion of design and construction criteria is presented in this report.

We appreciate the opportunity to work with you at this stage of the project. CMT offers a full range of Geotechnical Engineering, Geological, Material Testing, Special Inspection services, and Phase I and II Environmental Site Assessments. With offices throughout Utah, Idaho, and Arizona, our staff is capable of efficiently serving your project needs. If we can be of further assistance or if you have any questions regarding this project, please do not hesitate to contact us at (801) 492-4132.

Sincerely,
CMT Engineering Laboratories



William G. Turner, P.E. (CA C43740)
Senior Geotechnical Engineer

Reviewed By:


Andrew M. Harris, P.E. (Utah)
Geotechnical Division Manager

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Figure 1: Site Plan

Figures 2 through 7: Bore Hole Log

Figure 8: Key to Symbols

1.0 INTRODUCTION

1.1 General

CMT Engineering Laboratories (CMT) was retained to conduct a geotechnical subsurface study for a proposed Maverik Store. The site is situated at the northwest corner of the intersection of Sheldon Road and Stockton Boulevard in Elk Grove, California as shown in the **Vicinity Map** below.



VICINITY MAP

1.2 Objectives, Scope and Authorization

The objectives and scope of our study were planned in communications between Mr. Russ Hamblin of Cardno, Inc., and Mr. Jeffrey Egbert of CMT Engineering Laboratories (CMT). In general, the objectives of this study were to define and evaluate the subsurface soil and groundwater conditions at the site, and provide appropriate foundation, earthwork, pavement and seismic recommendations to be utilized in the design and construction of the proposed development.

In accomplishing these objectives, field explorations were performed on the site by Cardno, which consisted of the drilling/logging/sampling of 6 bore holes. Our scope of work included performing laboratory testing on

samples of the subsurface soils collected in the bore holes as provided to us, and conducting an office program which included correlating available data, performing engineering analyses, and preparing this summary report.

1.3 Description of Proposed Construction

We understand that the proposed construction consists of a new Maverik convenience store and fuel station with accompanying fuel islands and canopies, truck scales and underground fuel storage tanks. We project that wall loads for the store building will not exceed 4,000 pounds per linear foot. Floor slab loads are anticipated to be relatively light, with an average uniform loading not exceeding 150 pounds per square foot.

The fuel island canopies will be supported by steel frames and columns extending to the foundation system. It is projected that the maximum canopy downward column loads will be on the order of 60,000 pounds. In addition, uplift and lateral loads will be imposed upon these foundations.

If the loading conditions are different than we have projected, please notify us so that any appropriate modifications to our conclusions and recommendations contained herein can be made.

We also understand the parking/drive paved areas will utilize both asphalt and concrete pavement. Concrete pavement will likely be installed in front of the proposed store structure, as well as in the canopy fuel islands and over the underground storage tank area. In other areas, asphalt concrete sections will likely be used. Traffic is projected to consist of mostly automobiles and light trucks, a few daily medium-weight delivery trucks, multiple fuel delivery trucks, a weekly garbage truck, and an occasional fire truck.

1.4 Executive Summary

The most significant geotechnical aspects regarding site development include the following:

1. Subsurface natural soils consisted of CLAY (CL), SILT (ML) and SAND (SC, SM), extending to the bottom of the bore holes.
3. Groundwater was observed at a depth of approximately 55 feet below the surface, which will not affect construction.
4. The potential for liquefaction to occur in the soils we encountered is low.
5. Foundations and floor slabs may be constructed on suitable undisturbed natural soils or on structural/engineered fill which extends to natural soils.

A qualified geotechnical engineer must assess that non-engineered fill (if encountered), topsoil, debris, disturbed or unsuitable soils have been removed and that suitable soils have been encountered prior to placing structural/site grading fills, footings, slabs, and pavements.

In the following sections, detailed discussions pertaining to the site and subsurface descriptions, geologic/seismic setting, earthwork, foundations, lateral resistance, lateral pressure, floor slabs, and pavements are provided.

2.0 FIELD EXPLORATION

2.1 General

In order to define and evaluate the subsurface soil and groundwater conditions, 6 bore holes were hand augered and/or drilled at the site to depths of approximately 5.5 to 71.5 feet below the existing ground surface. Locations of the bore holes are presented on **Figure 1**.

Samples of the subsurface soils encountered in the bore holes were collected at varying depths through the hollow stem drill augers. Relatively undisturbed samples of the subsurface soils were obtained by driving a split-spoon sampler with 2.5-inch outside diameter rings/liners into the undisturbed soils below the drill augers. Disturbed samples were collected utilizing a standard split spoon sampler. This standard split spoon sampler was driven 18 inches into the soils below the drill augers using a 140 pound hammer free-falling a distance of 30 inches. The number of hammer blows needed for each 6 inch interval was recorded. The sum of the hammer blows for the final 12 inches of penetration is known as a standard penetration test (SPT) and this 'blow count' was recorded on the bore hole logs. Where more than 50 blows occurred before the 6-inch interval was achieved, the sampling was terminated and the number of blows and inches penetrated by the sampler were recorded. The blow count provides a reasonable approximation of the relative density of granular soils, but only a limited indication of the relative consistency of fine grained soils because the consistency of these soils is significantly influenced by the moisture content.

The subsurface soil samples retrieved in the bore holes were classified in the field based upon visual and textural examination in general accordance with ASTM¹ D-2488. These field classifications were supplemented by subsequent examination and testing of select samples in our laboratory. Graphic logs of the bore holes, including a description of the soil strata encountered, are presented on the Bore Hole Logs, **Figures 2 through 7**, included in the Appendix. Sampling information and other pertinent data and observations are also included on the logs. In addition, a Key to Symbols defining the terms and symbols used on the logs is provided as **Figure 8** in the Appendix.

2.2 Infiltration Testing

Infiltration testing was also performed in bore hole B-2 within natural clay soils. The testing consisted of drilling to 5 feet below the surface, removing the auger, filling the hole with water and measuring the rate of water drop over a certain time period (i.e. every 10 minutes). The final measured rate was approximately 7 minutes per inch.

3.0 LABORATORY TESTING

Selected samples of the subsurface soils were subjected to various laboratory tests to assess pertinent engineering properties, as follows:

¹American Society for Testing and Materials

1. Moisture Content, ASTM D-2216, Percent moisture representative of field conditions
2. Dry Density, ASTM D-2937, Dry unit weight representing field conditions
3. Atterberg Limits, ASTM D-4318, Plasticity and workability
4. Gradation Analysis, ASTM D-1140/C-117, Grain Size Analysis
5. One-Dimensional Consolidation, ASTM-2435-11, Settlement Characteristics

Laboratory test results are presented on the bore hole logs (**Figures 2 through 7**) and in the following Lab Summary Table:

LAB SUMMARY TABLE

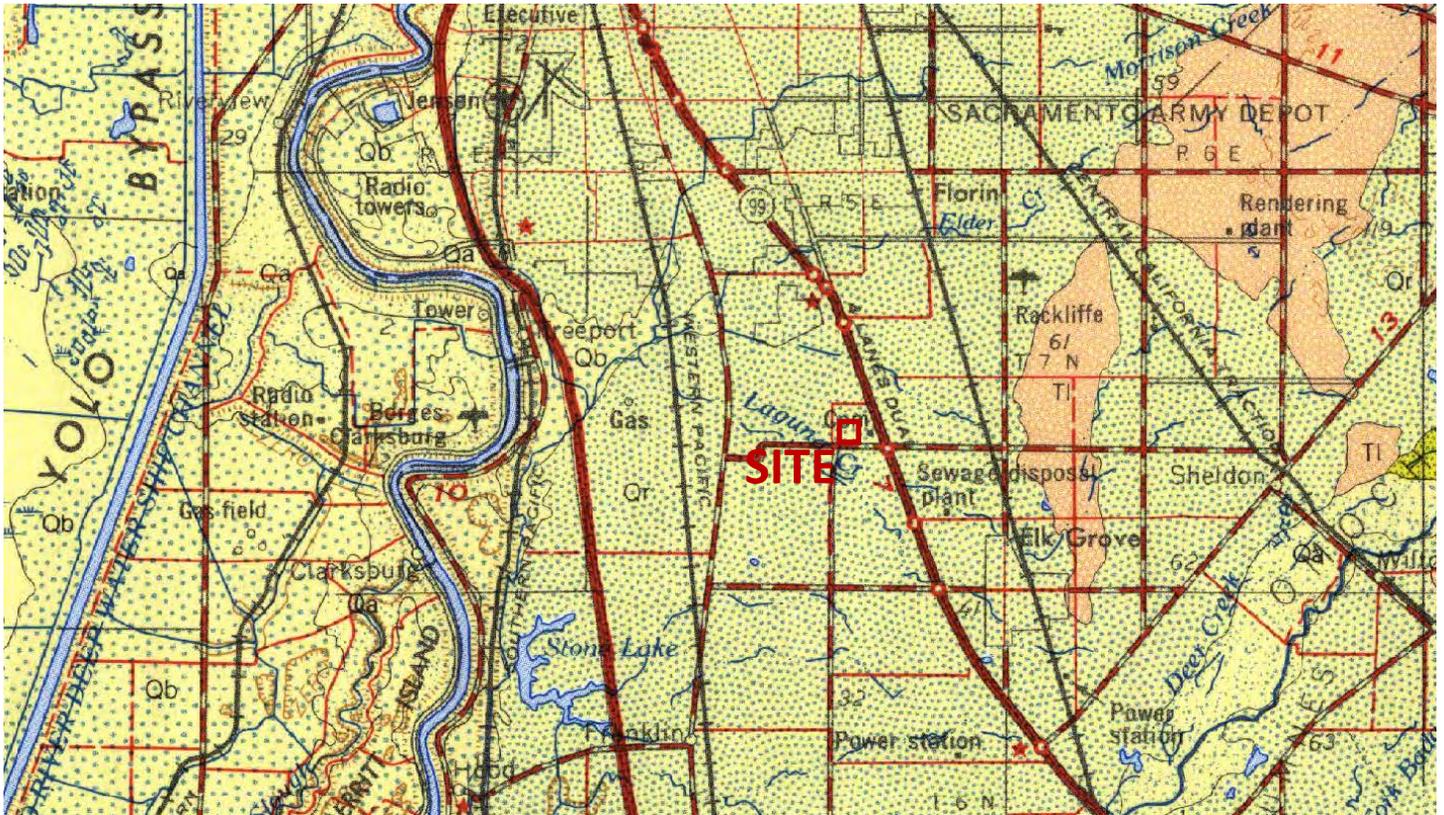
Bore Hole	Depth (feet)	Sample Type	Soil Class	Moisture Content (%)	Dry Density (pcf)	Gradation			Atterberg Limits			Collapse (-) or Expansion (+)
						Grav	Sand	Fines	LL	PL	PI	
B-2	7.5	CL	Rings	12	109				29	15	14	+0%
	15	CL	Rings	21				69				
B-3	5	SC	Bag	16				35				
	9.5	CL	SPT	16					36	24	12	
B-4	10	ML	Rings	17	81					NP	NP	+0%
B-5	5	CL	Bag	12				68				
B-6	20	CL	Rings	13					39	14	25	
	30	CL	Rings	14					31	17	14	
	45	ML	SPT	26						NP	NP	
	55	ML	SPT	25						NP	NP	
	65	ML	SPT	22						NP	NP	

4.0 GEOLOGIC & SEISMIC CONDITIONS

4.1 Geologic Setting

The subject site is located within the northern half of the Central Valley in north-central California at an elevation of approximately 31 feet above sea level. The Central Valley is a large, flat valley approximately 450 miles long and up to 60 miles wide that dominates the geography of central California. The valley is bounded on the east by the Sierra Nevada Mountains and on the west by the Coast Range and is thought to have originated below sea level as an offshore area depressed by subduction of the Farallon Plate into a trench further offshore. The San Joaquin Fault is a notable seismic feature of the Central Valley that is located along the western margin of the central portion of the valley. The valley was enclosed by the uplift of the Coast Ranges, with its original drainage outlet into Monterey Bay. Over time, faulting moved the Coast Ranges, and a new drainage outlet developed near what is now San Francisco Bay. Over the millennia, the valley was filled by the sediments of these same ranges, as well as the rising Sierra Nevada to the east.

The geology of the Sacramento Quadrangle, that includes the location of the subject site, has been mapped by Wagner and others². The geology at the location of the site and adjacent properties is mapped as “Riverbank Formation (Alluvium)” (Map Unit Qr) loosely dated as early to middle Quaternary. The referenced map only describes Unit Qr as “Alluvium”. Refer to the **Geologic Map**, shown below.



GEOLOGIC MAP

4.2 Faulting

An interactive hazards map from the California Geological Survey³ was reviewed. No fault traces are shown on the referenced geologic map crossing, adjacent to, or projecting toward the subject site. The nearest mapped active (Holocene) fault appears to be the Dunnigan Hills Fault approximately 33 miles to the northwest.

4.3 Seismicity

4.3.1 Site Class

We understand that the State of California Building Code (SCBC) 2019 was adopted on January 1, 2020, which we anticipate will be the code for design of the structures at this site. SCBC 2019 refers to Chapter 20, Site

² Wagner, D.L., Jennings, C.W., Bedrossian, T.L., and Bortugno, E.J., 1981, Geologic Map of the Sacramento Quadrangle, California; California Division of Mines and Geology, Regional Geologic Map Series, Map No. 1A, Sheet 1 of 4, Scale 1:250,000.

³ <https://maps.conservation.ca.gov/cgs/DataViewer/>

Classification Procedure for Seismic Design, of ASCE⁴ 7-16, which stipulates that the average values of shear wave velocity, blow count and/or shear strength within the upper 100 feet (30 meters) be utilized to determine seismic site class. Based on average blow counts and subsurface soils encountered within the maximum depth explored of 71.5 feet at the site, and presuming similar soils extend from 71.5 to 100 feet, it is our opinion the site best fits Site Class D – Stiff Soil (with data), which we recommend for seismic structural design.

4.3.2 Ground Motions

The seismic mapping utilized by the California Building Code provides values of peak ground, short period and long period spectral accelerations for the Site Class B/C boundary and the Risk-Targeted Maximum Considered Earthquake (MCE_R). This Site Class B/C boundary represents average bedrock values for the Western United States and must be corrected for local soil conditions at site grid coordinates of 38.4385 degrees north latitude and -121.4041 degrees west longitude. The following table summarizes the peak ground, short period and long period accelerations for the MCE_R event, and incorporates appropriate soil correction factors for a Site Class D (with data) soil profile:

SPECTRAL ACCELERATION PERIOD, T	SITE CLASS B/C BOUNDARY [mapped values] (g)	SITE COEFFICIENT	SITE CLASS D* [adjusted for site class effects] (g)	MULTI-PLIER	DESIGN VALUES (g)
Peak Ground Acceleration	PGA = 0.232	F _{pga} = 1.368	PGA _M = 0.317	1.000	PGA _M = 0.317
0.2 Seconds (Long Period Acceleration)	S _s = 0.553	F _a = 1.358	S _{MS} = 0.751	0.667	S _{DS} = 0.501
	(no exceptions needed)	F _a = (N/A)	S _{MS} = (N/A)	0.667	S _{DS} = (N/A)
1.0 Second (Long Period Acceleration)	S ₁ = 0.247	F _v = N/A	S _{M1} = N/A	0.667	S _{D1} = N/A
	(Exception 2:)	F _v = (2.106)	S _{M1} = (0.520)	0.667	S _{D1} = (0.347)

- NOTES: 1. TL (seconds): **8**
 2. Site Class: **D**
 3. Have data to verify? **yes**

* Site Class D With Data

4. ASCE 7-16 Requires Site-Specific Ground Motion Hazard Analysis (Since S1≥0.2 sec) - OR Can Use Exception 2 (per §11.4.8)

As indicated in the above table, S₁ is greater than 0.2 seconds and a site-specific ground motion hazard analysis (GMHA) is required for the site, unless the Exception 2 values shown are used for seismic design. If a site-specific GMHA is desired instead of using the higher exception values, please contact CMT for a proposal to perform the GMHA.

4.3.3 Liquefaction

Liquefaction is defined as the condition when saturated, loose, sandy soils lose their support capabilities because of excessive pore water pressure which develops during a seismic event. Clayey soils, even if saturated, will generally not liquefy during a major seismic event.

Groundwater was encountered at a depth of about 55 feet below the surface. Saturated soils below these depths consisted of hard to very hard silt and very dense sand lenses. Given these conditions, saturated sandy deposits will not liquefy due to a major seismic event.

⁴ American Society of Civil Engineers

4.4 Other Geologic Hazards

No landslide deposits or features, including lateral spread deposits, are mapped on or adjacent to the site. The site is not located within a known or mapped potential debris flow or rock fall hazard area. A Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map⁵ (FIRM) for the site and surrounding area indicates that the site is located in a “Zone X” flood hazard potential area defined as “minimal flood hazard.”

5.0 SITE CONDITIONS

5.1 Surface Conditions

At the time the bore holes were drilled, the site was undeveloped land vegetated with weeds. The site grade was relatively flat with a very slight slope downward to the south. Based on aerial photos dating back to 1993 that are readily available on the internet, the site has remained relatively unchanged since that time but may have been used for agricultural purposes. The site was bordered on the north by multi-family residences, on the east by Stockton Boulevard, on the south by Sheldon Road, and on the west by similar undeveloped land (see **Vicinity Map** in **Section 1.1** above).

5.2 Subsurface Soils

Approximately 6 inches of topsoil or 6 to 12 inches of fill soils were encountered at the surface across the site. The fill soils, considered to be non-engineered fill, may be deeper at some locations and consisted of clay/sand/gravel with some concrete debris. The natural soils encountered below the topsoil/fill soils consisted of Silty CLAY with varying amounts of sand (CL), SILT with fine sand (ML), and Clayey to Silty SAND (SC to SM), extending to the maximum depth explored of 71.5 feet below the surface.

The clay and silt soils were slightly moist to wet, light to dark yellowish brown to grayish orange in color, and of very stiff to very hard consistency based upon the SPT blow counts. They also exhibited moderate over-consolidation and compressibility characteristics.

The natural sand soils were moist to wet, brown in color, and appear to be medium dense near the surface but at depth vary in relative density from dense to very dense based upon the SPT blow counts.

For a more descriptive interpretation of subsurface conditions, please refer to the bore hole logs, **Figures 2 through 7**, which graphically represent the subsurface conditions encountered. The lines designating the interface between soil types on the log generally represent approximate boundaries; in situ, the transition between soil types may be gradual.

⁵ <https://msc.fema.gov/portal/search?AddressQuery=elk%20grove%20ca#searchresultsanchor>

5.3 Groundwater

Groundwater was encountered only within the deepest bore hole, B-6, at a depth of about 55 feet below the surface. This depth to groundwater will not affect construction or tank excavations.

Groundwater levels can fluctuate seasonally. Numerous factors such as heavy precipitation, irrigation of neighboring land, and other unforeseen factors, may influence ground water elevations at the site. The detailed evaluation of these and other factors, which may be responsible for ground water fluctuations, is beyond the scope of this study.

5.4 Site Subsurface Variations

Based on the results of the subsurface explorations and our experience, variations in the continuity and nature of subsurface conditions should be anticipated. Due to the heterogeneous characteristics of natural soils, care should be taken in interpolating or extrapolating subsurface conditions between or beyond the exploratory locations.

6.0 SITE PREPARATION AND GRADING

6.1 General

All deleterious materials should be stripped from the site prior to commencement of construction activities. This includes loose and disturbed soils, topsoil, vegetation, etc. Based upon the conditions observed in the borings there is topsoil on the surface of the site which we estimated to be about 6 inches in thickness. When stripping and grubbing, topsoil should be distinguished by the apparent organic content and not solely by color; thus we estimate that topsoil stripping will need to include at least the upper 4 inches. However, given the past agricultural uses of the site, the upper 12 to 15 inches may have been disturbed during farming.

In addition, approximately 6 to 12 inches of undocumented fill is present on the surface of the site, but locally could be deeper. Variation in the depth and lateral extent of non-engineered fill must be anticipated. All undocumented fill shall be removed from beneath structures. Outside of building footprints, proper preparation of undocumented fill and disturbed soils shall consist of removing the upper 6 inches, scarifying to a minimum depth of 8 inches and compacting the soils in place. The exposed subgrade must then be proofrolled by passing moderate-weight rubber tire-mounted construction equipment over the surface at least twice. If excessively soft or loose soils are encountered, they must be removed (up to a maximum depth of 2 feet) and replaced with structural fill.

Fill placed over large areas to raise overall site grades can induce settlements in the underlying natural soils. If more than 3 feet of site grading fill is anticipated over the existing ground surface, we should be notified to assess potential settlements and provide additional recommendations as needed. These recommendations may include placement of the site grading fill far in advance to allow potential settlements to occur prior to construction.

6.2 Temporary Excavations

Excavations up to 16 feet deep for tank excavations are anticipated at the site. In clayey (cohesive) soils, temporary construction excavations not exceeding 4 feet in depth may be constructed with near-vertical side slopes. Temporary excavations up to 16 feet deep, above or below groundwater, may be constructed with side slopes no steeper than one horizontal to one vertical (1H:1V).

For sandy (cohesionless) soils, temporary construction excavations not exceeding 4 feet in depth should be no steeper than one-half horizontal to one vertical (0.5H:1V). For excavations up to 16 feet and above groundwater, side slopes should be no steeper than one horizontal to one vertical (1H:1V). Excavations encountering saturated cohesionless soils, though not anticipated, will be very difficult to maintain, and will require very flat side slopes and/or shoring, bracing and dewatering.

All excavations must be inspected periodically by qualified personnel. If any signs of instability or excessive sloughing are noted, immediate remedial action must be initiated. All excavations should be made following OSHA safety guidelines.

6.3 Fill Material

The table below contains our recommendations for the various fill types we anticipate will be used at this site:

FILL MATERIAL TYPE	DESCRIPTION RECOMMENDED SPECIFICATION
Structural Fill	Placed below structures, flatwork and pavement. Well-graded sand/gravel mixture, with maximum particle size of 4 inches, a minimum 70% passing 3/4-inch sieve, a maximum 20% passing the No. 200 sieve, and a maximum Plasticity Index of 10.
Site Grading Fill	Placed over larger areas to raise the site grade. Sandy to gravelly soil, with a maximum particle size of 6 inches, a minimum 70% passing 3/4-inch sieve, a maximum 50% passing No. 200 sieve and a maximum Plasticity Index of 15.
Non-Structural Fill	Placed below non-structural areas, such as landscaping. On-site soils or imported soils, with a maximum particle size of 8 inches, including silt/clay soils not containing excessive amounts of degradable/organic material (see discussion below).
Stabilization Fill	Placed to stabilize soft areas prior to placing structural fill and/or site grading fill. Coarse angular gravels and cobbles 1 inch to 8 inches in size. May also use 1.5- to 2.0-inch gravel placed on stabilization fabric, such as Mirafi RS280i or equivalent (see Section 6.6).

The natural soils at this site are not suitable for use as structural fill or site grading fill. All on-site soils could be used as non-structural fill but could also be more difficult to work with given their plasticity. If utilized, these soils should be compacted to the same requirements as imported engineered fill as recommended below.

All fill material should be approved by a geotechnical engineer prior to placement.

6.4 Fill Placement and Compaction

The various types of compaction equipment available have their limitations as to the maximum lift thickness that can be compacted. For example, hand operated equipment is limited to lifts of about 4 inches and most “trench compactors” have a maximum, consistent compaction depth of about 6 inches. Large rollers, depending on soil and moisture conditions, can achieve compaction at 8 to 12 inches. The full thickness of each lift should be compacted to at least the following percentages of the maximum dry density as determined by ASTM D-1557 (or AASHTO⁶ T-180) in accordance with the following recommendations:

LOCATION	TOTAL FILL THICKNESS (FEET)	MINIMUM PERCENTAGE OF MAXIMUM DRY DENSITY
Beneath an area extending at least 4 feet beyond the perimeter of structures, and below flatwork and pavement (applies to structural fill and site grading fill) extending at least 2 feet beyond the perimeter	0 to 5	95
Site grading fill outside area defined above	0 to 5	92
Utility trenches within structural areas	--	96
Roadbase and subbase	-	96
Non-structural fill	0 to 5	90

Structural fills greater than 5 feet thick are not anticipated at the site. For best compaction results, we recommend that the moisture content for structural fill/backfill be within 2% of optimum. Field density tests should be performed on each lift as necessary to verify that proper compaction is being achieved.

6.5 Utility Trenches

For the bedding zone around the utility, we recommend utilizing sand bedding fill material that meets current local or APWA⁷ requirements.

All utility trench backfill material below structurally loaded facilities (foundations, floor slabs, flatwork, parking lots/drive areas, etc.) should be placed at the same density requirements established for structural fill in the previous section.

Most utility companies and local governments are requiring Type A-1a or A-1b (AASHTO Designation) soils (sand/gravel soils with limited fines) be used as backfill over utilities within public rights of way, and the backfill be compacted over the full depth above the bedding zone to at least 96% of the maximum dry density as determined by AASHTO T-180 (ASTM D-1557).

⁶ American Association of State Highway and Transportation Officials

⁷ American Public Works Association

6.6 Stabilization

The natural clayey soils, which predominated in the near surface soil profile, may be susceptible to rutting and pumping. The likelihood of disturbance or rutting and/or pumping is a function of the moisture content, the load applied to the surface, as well as the frequency of the load. Consequently, rutting and pumping can be minimized by avoiding concentrated traffic, minimizing the load applied to the surface by using lighter equipment and/or partial loads, by working in drier times of the year, or by providing a working surface for the equipment. Rubber-tired equipment particularly, because of high pressures, promotes instability in moist/wet, soft soils.

If rutting or pumping occurs, traffic should be stopped and the disturbed soils should be removed and replaced with stabilization material. Typically, a minimum of 18 inches of the disturbed soils must be removed to be effective. However, deeper removal is sometimes required.

To stabilize soft subgrade conditions a mixture of coarse, clean, angular gravels and cobbles and/or 1.5- to 2.0-inch clean gravel should be utilized. Often the amount of gravelly material can be reduced with the use of a geotextile fabric such as Mirafi RS280i, or equivalent. Its use will also help avoid mixing of the subgrade soils with the gravelly material. After excavating the soft/disturbed soils, the fabric should be spread across the bottom of the excavation and up the sides a minimum of 18 inches. Otherwise, it should be placed in accordance with the manufacturer's recommendation, including proper overlaps. The gravel material can then be placed over the fabric in compacted lifts as described above.

7.0 FOUNDATION RECOMMENDATIONS

The following recommendations have been developed on the basis of the previously described project characteristics, the subsurface conditions observed in the field and the laboratory test data, as well as common geotechnical engineering practice.

7.1 Foundation Recommendations

Based on our geotechnical engineering analyses, the proposed structures may be supported upon conventional spread and/or continuous wall foundations placed on suitable, undisturbed natural soils and/or on structural fill extending to suitable natural soils. Footings may be designed using a net bearing pressure of 2,000 psf if placed on suitable, undisturbed, natural soils or 2,500 psf if placed on a minimum 18 inches of structural fill. The term "net bearing pressure" refers to the pressure imposed by the portion of the structure located above lowest adjacent final grade, thus the weight of the footing and backfill to lowest adjacent final grade need not be considered. The allowable bearing pressure may be increased by 1/3 for temporary loads such as wind and seismic forces.

We also recommend the following:

1. Exterior footings subject to frost should be placed at least 12 inches below final grade.
2. Interior footings not subject to frost should be placed at least 8 inches below grade.
3. Continuous footing widths should be maintained at a minimum of 18 inches.
4. Spot footings should be a minimum of 24 inches wide.

7.2 Installation

Under no circumstances shall foundations be placed on non-engineered fill (if encountered), topsoil with organics, sod, rubbish, construction debris, other deleterious materials, frozen soils, or within ponded water. If unsuitable soils are encountered, they must be completely removed and replaced with properly compacted structural fill. The base of footing excavations and floor slab sub grades should be examined by a qualified geotechnical engineer to confirm that suitable bearing soils have been exposed.

All structural fill should meet the requirements for such, and should be placed and compacted in accordance with **Section 6** above. The width of structural replacement fill below footings should be equal to the width of the footing plus 1 foot for each foot of fill thickness. For instance, if the footing width is 2 feet and the structural fill depth beneath the footing is 4 feet, the fill replacement width should be 6 feet, centered beneath the footing.

The minimum thickness of structural fill below footings should be equivalent to one-third the thickness of structural fill below any other portion of the foundations. For example, if the maximum depth of structural fill is 6 feet, all footings for the new structure should be underlain by a minimum 2 feet of structural fill.

7.3 Estimated Settlement

Foundations designed and constructed in accordance with our recommendations could experience some settlement, but we anticipate that total settlements of footings founded as recommended above will not exceed 1 inch, with differential settlements on the order of 0.5 inches over a distance of 25 feet. We expect approximately 50% of the total settlement to initially take place during construction.

7.4 Lateral Resistance

Lateral loads imposed upon foundations due to wind or seismic forces may be resisted by the development of passive earth pressures and friction between the base of the footings and the supporting soils. In determining frictional resistance, a coefficient of 0.30 for natural clayey soils and 0.40 for structural fill, may be utilized for design. Passive resistance provided by properly placed and compacted structural fill above the water table may be considered equivalent to a fluid with a density of 400 pcf. A combination of passive earth resistance and friction may be utilized if the friction component of the total is divided by 1.5.

8.0 LATERAL EARTH PRESSURES

We anticipate that below-grade walls up to 4 feet high may be constructed at this site. The lateral earth pressure values given in the table below are for a backfill material that will consist of drained sand/gravel soils (less than 10% passing No. 200 sieve) placed and compacted in accordance with the recommendations presented herein. If other soil types will be used as backfill, we should be notified so that appropriate modifications to these values can be provided, as needed.

The lateral pressures imposed upon subgrade facilities will depend upon the relative rigidity and movement of the backfilled structure. Following are the recommended lateral pressure values, which also assume that the soil surface behind the wall is horizontal and that the backfill within 3 feet of the wall will be compacted with hand-operated compacting equipment.

CONDITION	STATIC (psf/ft)*	SEISMIC (psf)**
Active Pressure (wall is allowed to yield, i.e. move away from the soil, with a minimum 0.001H movement/rotation at the top of the wall, where "H" is the total height of the wall)	35	30
At-Rest Pressure (wall is not allowed to yield)	55	80
Passive Pressure (wall moves into the soil)	425	575

*Equivalent Fluid Pressure (applied at 1/3 Height of 4-foot High Wall)

**Uniform Pressure, Seismic Only (applied at 1/2 Height of 4-foot High Wall)

9.0 BOUYANT FORCES

Groundwater was encountered at a depth of approximately 55 feet below the surface at the proposed tank locations (B-6). Based upon this condition we anticipate that underground tanks will not need to be designed to resist buoyant forces.

10.0 FLOOR SLABS

Floor slabs may be established upon suitable, undisturbed natural soils and/or on structural fill extending to suitable, undisturbed natural soils (same as for foundations). Under no circumstances shall floor slabs be established directly on any topsoil, non-engineered fills, loose or disturbed soils, sod, rubbish, construction debris, other deleterious materials, frozen soils, or within ponded water.

In order to facilitate curing of the concrete, we recommend that floor slabs placed on structural fill be directly underlain by at least 4 inches of "free-draining" fill, such as "pea" gravel or 3/4-inch quarters to 1-inch minus, clean, gap-graded gravel. To help control normal shrinkage and stress cracking, the floor slabs should have the following features:

1. Adequate reinforcement for the anticipated floor loads with the reinforcement continuous through interior floor joints;
2. Frequent crack control joints; and
3. Non-rigid attachment of the slabs to foundation walls and bearing slabs.

11.0 DRAINAGE RECOMMENDATIONS

It is important to the long-term performance of foundations and floor slabs that water not be allowed to collect near the foundation walls and infiltrate into the underlying soils. We recommend the following:

1. All areas around the structures should be sloped to provide drainage away from the foundations. We recommend a minimum slope of 4 inches in the first 10 feet away from the structure. This slope should be maintained throughout the lifetime of the structure.
2. All roof drainage should be collected in rain gutters with downspouts designed to discharge at least 10 feet from the foundation walls or well beyond the backfill limits, whichever is greater.
3. Adequate compaction of the foundation backfill should be provided. We suggest a minimum of 90% of the maximum laboratory density as determined by ASTM D-1557. Water consolidation methods should not be used under any circumstances.
4. Landscape sprinklers should be aimed away from the foundation walls. The sprinkling systems should be designed with proper drainage and be well-maintained. Over watering should be avoided.
5. Other precautions that may become evident during construction.

12.0 PAVEMENTS

All pavement areas must be prepared as discussed above in **Section 6.1**, which will provide 2 feet of prepared subgrade beneath pavement areas. Under no circumstances shall pavements be established over topsoil, unprepared existing fill soils, loose or disturbed soils, sod, rubbish, construction debris, other deleterious materials, frozen soils, or within ponded water.

We anticipate the near surface clayey soils will exhibit poor pavement support characteristics when saturated or nearly saturated. Based on our laboratory testing experience with similar soils, our pavement design is based upon a Resistance (R) value of about 5 (approximate California Bearing Ratio of 3).

Given the projected traffic as discussed above in **Section 1.3**, the following pavement sections are recommended for the estimated Traffic Indices (TI):

MATERIAL	PAVEMENT SECTION THICKNESS (INCHES)					
	PARKING AREAS (T.I. = 5.0)			DRIVE AREAS (T.I. = 5.5)		
Asphalt	3	3	---	3	3	---
Concrete	---	--	5	---	---	6
Road-Base	8	4	6	10	6	6
Subbase	0	6	0	0	6	0
Total Thickness	11	13	11	13	15	12

Untreated base course (UTBC) should conform to city or Caltrans specifications. Material meeting our specification for structural fill can be used for subbase, as long as the fines content (percent passing No. 200 sieve) does not exceed 15%. Roadbase and subbase material should be compacted as recommended above in **Section 6.4**. Asphalt material generally should conform to Caltrans or APWA requirements.

Concrete pavement should be designed in accordance with the American Concrete Institute (ACI) and joint details should conform to the Portland Cement Association (PCA) guidelines. The concrete should have a minimum 28-day unconfined compressive strength of 4,000 pounds per square inch.

13.0 QUALITY CONTROL

We recommend that a comprehensive quality control testing and observation program be established during construction to help facilitate implementation of our recommendations and address, in a timely manner, any subsurface conditions encountered which vary from those described in this report. Without such a program CMT cannot be responsible for application of our recommendations to subsurface conditions which may vary from those described herein. This program may include, but not necessarily be limited to, the following:

13.1 Field Observations

Observations should be completed during all phases of construction such as site preparation, foundation excavation, structural fill placement and concrete placement.

13.2 Fill Compaction

Compaction testing is required for all structural supporting fill materials. Maximum Dry Density (Modified Proctor, ASTM D-1557) tests should be requested by the contractor immediately after delivery of any fill materials. The maximum density information should then be used for field density tests on each lift as necessary to ensure that the required compaction is being achieved.

13.3 Excavations

All excavation procedures and processes should be observed by a geotechnical engineer. In addition, for the recommendations in this report to be valid, all backfill and structural fill placed in trenches and all pavements

should be density tested. We recommend that freshly mixed concrete be tested in accordance with ASTM designations.

14.0 LIMITATIONS

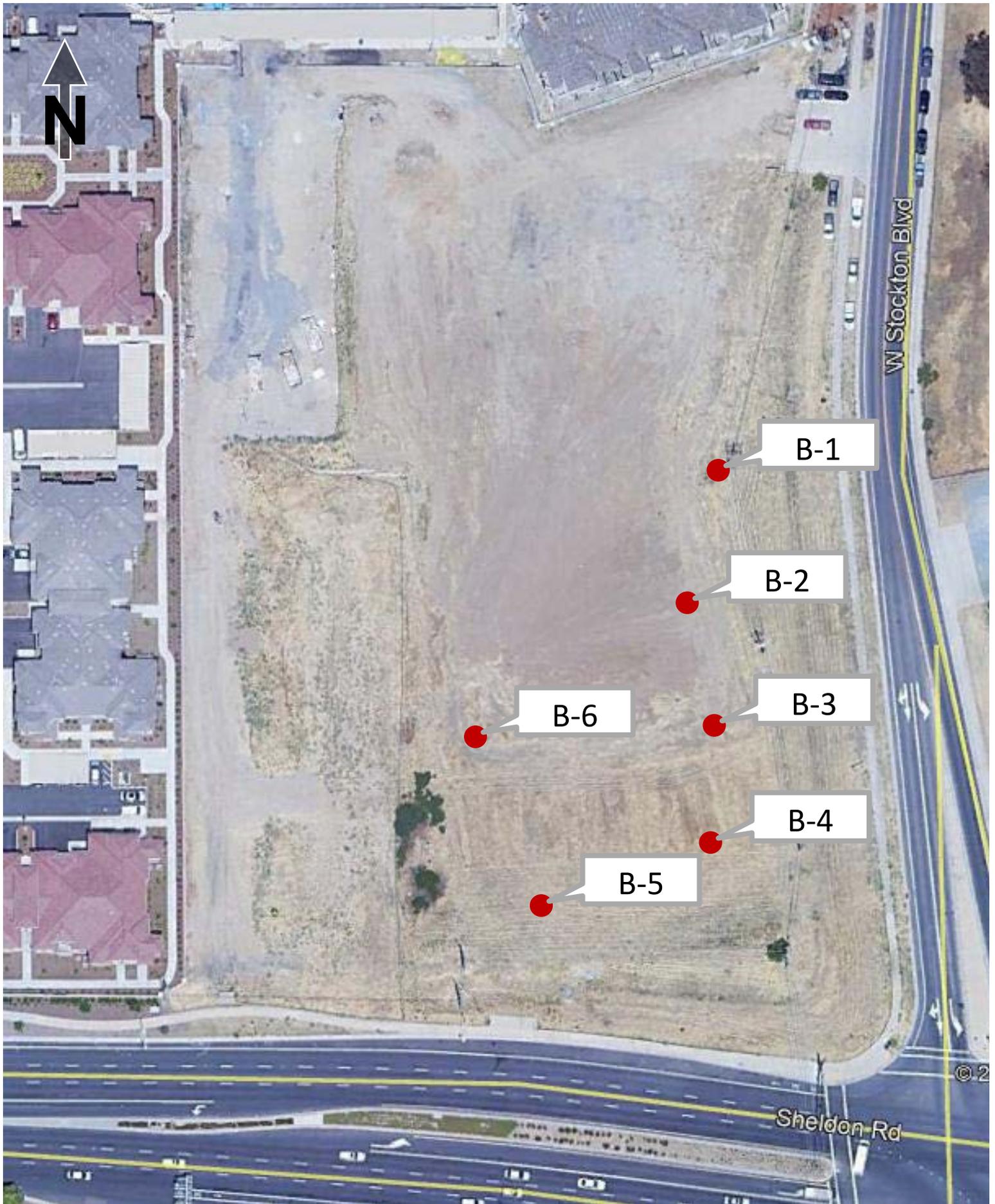
The recommendations provided herein were developed by evaluating the information obtained from the subsurface explorations and soils encountered therein. The exploration logs reflect the subsurface conditions only at the specific location at the particular time designated on the logs. Soil and ground water conditions may differ from conditions encountered at the actual exploration locations. The nature and extent of any variation in the explorations may not become evident until during the course of construction. If variations do appear, it may become necessary to re-evaluate the recommendations of this report after we have observed the variation.

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all other warranties, either expressed or implied.

We appreciate the opportunity to be of service to you on this project. If we can be of further assistance or if you have any questions regarding this project, please do not hesitate to contact us at (801) 492-4132.

APPENDIX

SUPPORTING
DOCUMENTATION



Maverik Store

NWC of Sheldon Road & Stockton Blvd, Elk Grove, CA

CMTENGINEERING
LABORATORIES

Site Plan

Date:	31-Jul-20
Job #	14937

Figure:

1

Maverik, Elk Grove CA

Bore Hole Log

B-1

NWC of Sheldon Road & Stockton Blvd, Elk Grove, CA

Boring Type: **Hand Auger**
Surface Elev. (approx): **N/A**

Total Depth: **5.5'**
Water Depth: **(see Remarks)**

Date: **7/16/20**
Job #: **14937**

Depth (ft)	GRAPHIC LOG	Soil Description	Sample Type	Sample #	Blows (N)			Gradation			Atterberg			
					Total	Moisture (%)	Dry Density(pcf)	Gravel %	Sand %	Fines %	LL	PL	PI	
0		FILL: sand/clay/gravel												
		Yellowish Brown Silty CLAY with fine sand (CL) slightly moist, medium stiff (estimated)		1										
4		Dark Yellowish-Orange Clayey SAND (SC), some calcification slightly moist, medium dense (estimated)		2										
		END AT 5.5'												
8														
12														
16														
20														
24														
28														

Remarks: Groundwater not encountered during drilling.

Figure:

Maverik, Elk Grove CA

Bore Hole Log

B-2

NWC of Sheldon Road & Stockton Blvd, Elk Grove, CA

Boring Type: Hand Auger/Hollow-Stem Auger
 Surface Elev. (approx): **N/A**

Total Depth: **16.5'**
 Water Depth: (see Remarks)

Date: **7/17/20**
 Job #: **14937**

Depth (ft)	GRAPHIC LOG	Soil Description	Sample Type	Sample #	Blows (N)			Moisture (%)	Dry Density(pcf)	Gradation			Atterberg		
					Total					Gravel %	Sand %	Fines %	LL	PL	PI
0		FILL: sand/clay/gravel, some concrete debris													
0-4		Yellowish Brown Silty CLAY with fine sand (CL) slightly moist, medium stiff (estimated)		3											
4-8				4											
8-16		Grayish-Orange Sandy CLAY (CL) slightly moist, very stiff grades yellowish brown		5	8 11 17	28	12	109				29	15	14	
16-16.5				6	6 7 18	25									
16.5		END AT 16.5'		7	8 26 31	57	21				69				
20															
24															
28															

Remarks: Groundwater not encountered during drilling.

Figure:

Maverik, Elk Grove CA

Bore Hole Log

B-3

NWC of Sheldon Road & Stockton Blvd, Elk Grove, CA

Boring Type: Hand Auger/Hollow-Stem Auger
 Surface Elev. (approx): **N/A**

Total Depth: **11'**
 Water Depth: (see Remarks)

Date: **7/17/20**
 Job #: **14937**

Depth (ft)	GRAPHIC LOG	Soil Description	Sample Type	Sample #	Blows (N)		Moisture (%)	Dry Density(pcf)	Gradation			Atterberg		
					Total				Gravel %	Sand %	Fines %	LL	PL	PI
0	XXXX	FILL: sand/clay/gravel												
		Dark Yellowish Brown Silty CLAY with fine sand (CL) slightly moist, medium stiff (estimated)		8										
4		Dark Yellowish-Orange Clayey SAND (SC), with calcified agglomerates moist, medium dense (estimated)		9		16				35				
8		Yellowish Brown Silty CLAY with fine sand (CL) moist, very stiff		10	17 25 33	58								
		hard		11	17 32 36	68	16				36	24	12	
12		END AT 11'												
16														
20														
24														
28														

Remarks: Groundwater not encountered during drilling.

Figure:

Maverik, Elk Grove CA

Bore Hole Log

B-4

NWC of Sheldon Road & Stockton Blvd, Elk Grove, CA

Boring Type: Hand Auger/Hollow-Stem Auger
Surface Elev. (approx): **N/A**

Total Depth: **16.5'**
Water Depth: (see Remarks)

Date: **7/17/20**
Job #: **14937**

Depth (ft)	GRAPHIC LOG	Soil Description	Sample Type	Sample #	Blows (N)			Moisture (%)	Dry Density(pcf)	Gradation			Atterberg		
					Total					Gravel %	Sand %	Fines %	LL	PL	PI
0		TOPSOIL Dark Yellowish-Orange Clayey SAND (SC), with calcified agglomerates slightly moist, medium dense (estimated)													
4				12											
8					13										
8		Yellowish Brown SILT with fine sand (ML), some calcification moist, very hard													
12				14	8 26 44	70									
16					15	19 27 42	69	17	81					NP	NP
16.5		END AT 16.5'													
20															
24															
28															

Remarks: Groundwater not encountered during drilling.

Figure:

Maverik, Elk Grove CA

Bore Hole Log

B-5

NWC of Sheldon Road & Stockton Blvd, Elk Grove, CA

Boring Type: **Hand Auger**
Surface Elev. (approx): **N/A**

Total Depth: **5.5'**
Water Depth: **(see Remarks)**

Date: **7/16/20**
Job #: **14937**

Depth (ft)	GRAPHIC LOG	Soil Description	Sample Type	Sample #	Blows (N)			Gradation			Atterberg		
					Total	Moisture (%)	Dry Density(pcf)	Gravel %	Sand %	Fines %	LL	PL	PI
0		TOPSOIL											
		Dark Yellowish-Orange Fine Sandy CLAY (CL) slightly moist, medium stiff (estimated)											
4				17									
				18		12			68				
		END AT 5.5'											
8													
12													
16													
20													
24													
28													

Remarks: Groundwater not encountered during drilling.

Figure:

Maverik, Elk Grove CA

Bore Hole Log

B-6

NWC of Sheldon Road & Stockton Blvd, Elk Grove, CA

Boring Type: Hand Auger/Hollow-Stem Auger
 Surface Elev. (approx): *N/A*

Total Depth: *71.5'*
 Water Depth: *55'*

Date: *7/17/20*
 Job #: *14937*

Depth (ft)	GRAPHIC LOG	Soil Description	Sample Type	Sample #	Blows (N)			Moisture (%)	Dry Density(pcf)	Gradation			Atterberg		
					Total					Gravel %	Sand %	Fines %	LL	PL	PI
0		TOPSOIL Dark Yellowish-Orange Fine Sandy CLAY (CL) slightly moist, stiff (estimated)													
4				19											
4		Dark Yellowish-Orange Silty SAND (SM) slightly moist, medium dense (estimated)													
8				20											
8		Grayish-Orange Sandy CLAY (CL) moist, hard													
12				21	14 16 26	42									
12				22	22 42 32	74									
16				23	13 18 27	45									
16		Dark Yellowish-Orange Silty SAND (SM) moist, medium dense													
20				24	18 25 37	62	13					39	14	25	
20		Light Yellowish Brown Silty CLAY with fine sand (CL), some calcified agglomerates up to 3/4" size moist, hard													
24				25	10 19 32	51									
24		grades with frequent seams of Silt and Fine Sand and oxidation staining													
28															

Remarks: Groundwater encountered during drilling at depth of 55 feet.

Figure:

Maverik, Elk Grove CA

NWC of Sheldon Road & Stockton Blvd, Elk Grove, CA

Bore Hole Log

B-6

Boring Type: Hand Auger/Hollow-Stem Auger
 Surface Elev. (approx): *N/A*

Total Depth: *71.5'*
 Water Depth: *55'*

Date: *7/17/20*
 Job #: *11/22/40*

Depth (ft)	GRAPHIC LOG	Soil Description	Sample Type	Sample #	Blows (N)			Moisture (%)	Dry Density(pcf)	Gradation			Atterberg		
					Total					Gravel %	Sand %	Fines %	LL	PL	PI
28		Light Yellowish Brown Silty CLAY with fine sand (CL) (Continued)	hard	26	12	64	14						31	17	14
					23										
32			very hard	27	8	67									
					25										
36															
40		Dark Yellowish Brown SILT with fine sand (ML), occasional 4" to 6" thick lenses of sand moist, very hard		28	13	80	26								
					24										
44															
48			hard	30	15	52									
					18										
52		grades with fequent oxidation staining below 51'													
56			wet	31	11	65	25								
					29										

Remarks: Groundwater encountered during drilling at depth of 55 feet.

Figure:

Maverik, Elk Grove CA

NWC of Sheldon Road & Stockton Blvd, Elk Grove, CA

Bore Hole Log

B-6

Boring Type: Hand Auger/Hollow-Stem Auger
Surface Elev. (approx): N/A

Total Depth: **71.5'**
Water Depth: **55'**

Date: **7/17/20**
Job #: **11/22/40**

Depth (ft)	GRAPHIC LOG	Soil Description	Sample Type	Sample #	Blows (N)			Moisture (%)	Dry Density(pcf)	Gradation			Atterberg		
					Total					Gravel %	Sand %	Fines %	LL	PL	PI
56		Dark Yellowish Brown SILT with fine sand (ML) (Continued)				36									
60		Thinly Laminated Seams of SILT (ML) and Fine Silty SAND (SM), oxidation staining wet, very hard/dense		32	24 40 45	85									
64															
68					33	20 37 41	78	22						NP	NP
72		END AT 71.5'		34	15 31 50/5"										
76															
80															
84															

Remarks: Groundwater encountered during drilling at depth of 55 feet.

Figure:

Depth (ft)	GRAPHIC LOG	Soil Description	Sample Type	Sample #	Blows(N)			Gradation			Atterberg		
					Total	Moisture (%)	Dry Density(pcf)	Gravel %	Sand %	Fines %	LL	PL	PI

COLUMN DESCRIPTIONS

- ① **Depth (ft.):** Depth (feet) below the ground surface (including groundwater depth - see water symbol below).
- ② **Graphic Log:** Graphic depicting type of soil encountered (see ② below).
- ③ **Soil Description:** Description of soils encountered, including Unified Soil Classification Symbol (see below).
- ④ **Sample Type:** Type of soil sample collected at depth interval shown; sampler symbols are explained below-right.
- ⑤ **Sample #:** Consecutive numbering of soil samples collected during field exploration.
- ⑥ **Blows:** Number of blows to advance sampler in 6" increments, using a 140-lb hammer with 30" drop.
- ⑦ **Total Blows:** Number of blows to advance sampler the 2nd and 3rd 6" increments.
- ⑧ **Moisture (%):** Water content of soil sample measured in laboratory (percentage of dry weight of sample).
- ⑨ **Dry Density (pcf):** The dry density of a soil measured in laboratory (pounds per cubic foot).
- ⑩ **Gradation:** Percentages of Gravel, Sand and Fines (Silt/Clay), obtained from lab test results of soil passing the No. 4 and No. 200 sieves.
- ⑪ **Atterberg:** Individual descriptions of Atterberg Tests are as follows:
 - LL = Liquid Limit (%):** Water content at which a soil changes from plastic to liquid behavior.
 - PL = Plastic Limit (%):** Water content at which a soil changes from liquid to plastic behavior.
 - PI = Plasticity Index (%):** Range of water content at which a soil exhibits plastic properties (= Liquid Limit - Plastic Limit).

STRATIFICATION		MODIFIERS	MOISTURE CONTENT
Description	Thickness	Trace	
Seam	Up to ½ inch	<5%	Dry: Absence of moisture, dusty, dry to the touch.
Lense	Up to 12 inches	Some	Moist: Damp / moist to the touch, but no visible water.
Layer	Greater than 12 in.	5-12%	
Occasional	1 or less per foot	With	Saturated: Visible water, usually soil below groundwater.
Frequent	More than 1 per foot	> 12%	

UNIFIED SOIL CLASSIFICATION SYSTEM (USCS)

MAJOR DIVISIONS		USCS SYMBOLS	②	TYPICAL DESCRIPTIONS	
COARSE-GRAINED SOILS More than 50% of material is larger than No. 200 sieve size.	GRAVELS The coarse fraction retained on No. 4 sieve.	CLEAN GRAVELS (< 5% fines)	GW	Well-Graded Gravels, Gravel-Sand Mixtures, Little or No Fines	
		GRAVELS WITH FINES (≥ 12% fines)	GP	Poorly-Graded Gravels, Gravel-Sand Mixtures, Little or No Fines	
			GM	Silty Gravels, Gravel-Sand-Silt Mixtures	
		GC	Clayey Gravels, Gravel-Sand-Clay Mixtures		
	SANDS The coarse fraction passing through No. 4 sieve.		CLEAN SANDS (< 5% fines)	SW	Well-Graded Sands, Gravelly Sands, Little or No Fines
		SANDS WITH FINES (≥ 12% fines)	SP	Poorly-Graded Sands, Gravelly Sands, Little or No Fines	
			SM	Silty Sands, Sand-Silt Mixtures	
		SC	Clayey Sands, Sand-Clay Mixtures		
			FINE-GRAINED SOILS More than 50% of material is smaller than No. 200 sieve size.	SILTS AND CLAYS Liquid Limit less than 50%	ML
		CL			Inorganic Clays of Low to Medium Plasticity, Gravelly Clays, Sandy Clays, Silty Clays, Lean Clays
OL	Organic Silts and Organic Silty Clays of Low Plasticity				
SILTS AND CLAYS Liquid Limit greater than 50%	MH	Inorganic Silts, Micaceous or Diatomaceous Fine Sand or Silty Soils with Plasticity (Elastic Silts)			
	CH	Inorganic Clays of High Plasticity, Fat Clays			
OH	Organic Silts and Organic Clays of Medium to High Plasticity				
HIGHLY ORGANIC SOILS		PT	Peat, Humus, Swamp Soils with High Organic Contents		

SAMPLER SYMBOLS

- Block Sample
- Bulk/Bag Sample
- Modified California Sampler
-
- D&M Sampler
- Rock Core
- Standard
- Penetration Split Spoon Sampler
- Thin Wall
- (Shelby Tube)

WATER SYMBOL

- Encountered Water Level
 - Measured Water Level
- (see Remarks on Logs)

Note: Dual Symbols are used to indicate borderline soil classifications (i.e. GP-GM, SC-SM, etc.).

- The results of laboratory tests on the samples collected are shown on the logs at the respective sample depths.
- The subsurface conditions represented on the logs are for the locations specified. Caution should be exercised if interpolating between or extrapolating beyond the exploration locations.
- The information presented on each log is subject to the limitations, conclusions, and recommendations presented in this report.

**APPENDIX D:
PHASE 1 ENVIRONMENTAL SITE ASSESSMENT**

Phase I Environmental Site Assessment

Potential Maverik Location –
NWC of Sheldon & W. Stockton,
Elk Grove, California

820AR00790.0001

Prepared by

Cardno, Inc.
1142 West 2320 South, Suite A
Salt Lake City, Utah 84119
Phone: (801) 256-3800
Fax: (801) 973-1095

Prepared for

Maverik, Inc.

July 24, 2020



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1 Executive Summary

1.1 General Information

Project Information	Approximate 4.72-acre parcel
Site Information	Potential Maverik Location NWC of Sheldon Rd & W. Stockton Blvd Elk Grove, Sacramento County California
Site Access Contact	Angelo G. Tsakopoulos, Esq., Owner Tsakopoulos Investments
Client Information	Maverik, Inc. 185 South State Street, Suite 800 Salt Lake City, Utah 84111
Consultant Information	Cardno, Inc. 1142 West 2320 South, Suite A Salt Lake City, Utah 84119 Phone: (801) 256-3800 Fax: (801) 973-1095
Reconnaissance Date	July 16, 2020
Site Assessor	Michelle Bostrom
Report Writer	Alisha Strong
Environmental Professional	Russell D. Hamblin

Environmental Professional Statement

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 part of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Russell D. Hamblin, P.G.
National Client Manager
Environmental Professional

1.2 Findings and Conclusions Summary

Cardno performed this Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of American Society of Testing and Material (ASTM) Standard Practice E 1527-13. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment did not reveal evidence of *recognized environmental conditions* (RECs) in connection with the Subject Property. Information regarding this finding is detailed in the following table.

Findings and Conclusions Summary

Report Section	Further Action	<i>De Minimis</i> Condition	REC	Historical REC	Controlled REC	ASTM Non-Scope Condition	Description
4.0	User Provided Information	No					
5.1.1	Federal Database Findings	No					
5.1.2	State and Tribal Database Findings	No					
5.1.3	Local Environmental Record Sources	No					
5.3	Historical Records Sources	No					
6.2	Hazardous Substance Use, Storage and Disposal	No					
6.3	Underground Storage Tanks	No					
6.4	Aboveground Storage Tanks	No					
6.5	Other Petroleum Products	No					
6.6	Polychlorinated Biphenyls	No					
6.7	Unidentified Substance Containers	No					
6.8	Nonhazardous Solid Waste	No					
6.9	Wastewater	No					
6.10	Waste Pits, Ponds and Lagoons	No					
6.11	Sumps	No					
6.12	Septic Systems	No					
6.13	Storm water Management System	No					
6.14	Wells	No					
7.0	Interviews	No					
8.1	Asbestos-Containing Material	No					
8.2	Radon	No					
8.3	Lead in Drinking Water	No					
8.4	Lead-Based Paint	No					
8.5	Mold Screening	No					
8.6	Vapor Encroachment	No					

1.3 Significant Data Gap Summary

Data gaps may have been encountered during the performance of this Phase I ESA and are discussed within the section of the report where they were encountered. According to ASTM Standard Practice E 1527-13, *data gaps* are only significant if "other information and/or professional experience raise reasonable concerns involving the *data gap*." The following is a list of common sources of *significant data gaps* and Cardno's experience with them on this Phase I ESA.

Significant Data Gap Summary

Report Section		Description
3.5	Current Uses of Adjoining Properties	No significant data gap identified.
4.2	Environmental Liens or Activity and Use Limitations	No significant data gap identified.
5.1	Standard Environmental Records	No significant data gap identified.
5.2	Physical Setting Sources	No significant data gap identified.
5.3	Historical Records Sources	No significant data gap identified.
6.1	Methodology and Limiting Conditions	No significant data gap identified.
7.0	Interviews	No significant data gap identified.

1.4 Findings

1.4.1 Recognized Environmental Condition

A REC refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property due to release to the environment, under conditions indicative of a release to the environment, or under conditions that pose a material threat of a future release to the environment.

Cardno did not identify any RECs at the Subject Property during the course of this assessment.

1.4.2 Controlled Recognized Environmental Condition

A *controlled recognized environmental condition* (CREC) refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

Cardno did not identify any CRECs at the Subject Property during the course of this assessment.

1.4.3 Historical Recognized Environmental Condition

An *historical recognized environmental condition* (HREC) refers to a past release of any hazardous substances or petroleum products that occurred in connection with the Subject 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 Subject Property to any required controls.

Cardno did not identify any HRECs at the Subject Property during the course of this assessment.

1.4.4 Environmental Issue

An *environmental issue* refers to environmental concerns identified by Cardno that warrant further discussion, but that do not qualify as RECs.

Cardno did not identify any environmental issues during the course of this assessment.

1.5 Conclusions, Opinions and Recommendations

Cardno performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 of NWC of Sheldon Rd & W. Stockton Blvd in the City of Elk Grove, Sacramento County, California (the “Subject Property”). Any exceptions to, or deletions from, are described in Section 1.3 of this report.

This assessment did not reveal evidence of RECs or environmental issues in connection with the Subject Property. Based on the conclusions of this assessment no further investigation of the Subject Property is warranted at this time.

2 Introduction

2.1 Purpose

The purpose of this Phase I ESA was to identify RECs and certain potential environmental conditions outside the scope of ASTM Standard Practice E 1527-13 in connection with the Subject Property at the time of the site reconnaissance. This report documents the findings, opinions, and conclusions of the Phase I ESA.

2.2 Scope

This Phase I ESA was conducted in general accordance with the ASTM Standard Practice E 1527-13, consistent with a level of care and skill ordinarily practiced by the environmental consulting profession currently providing similar services under similar circumstances. Significant additions, deletions, or exceptions to ASTM Standard Practice E 1527-13 are noted below or in the corresponding sections of this report. The scope of this assessment included an evaluation of the following:

- Physical setting characteristics of the Subject Property through a review of referenced sources such as topographic maps and geologic, soils, and hydrologic reports.
- Usage of the Subject Property, adjoining properties, and surrounding area through a review of referenced historical sources such as land title records, fire insurance maps, city directories, aerial photographs, prior reports, and interviews.
- Observations and interviews regarding current Subject Property usage and conditions including the use, treatment, storage, disposal, or generation of hazardous substances, petroleum products, hazardous wastes, non-hazardous solid wastes, and wastewater.
- Usage of adjoining and surrounding properties and the likely impact of known or suspected releases of hazardous substances or petroleum products on the Subject Property.
- Information referenced in environmental agency databases and local environmental records within the specified approximate minimum search distance from the Subject Property.

The scope of the assessment also included consideration of the following environmental issues or conditions that are beyond the scope of ASTM Standard Practice E 1527-13:

- Mold screening to report the findings of a baseline survey of readily observable mold and conditions conducive to mold on the Subject Property identified by limited interview, document review, and physical observation and to provide an opinion on whether an identified condition warrants further action. The scope of work for the mold screening was intended to be consistent with ASTM Standard Practice E 2418-06: *Standard Guide for Readily Observable Mold and Conditions Conducive to Mold in Commercial Buildings: Baseline Survey Process*. The scope of work, including potential deviations from the Standard Guide, is described as follows. The interview was limited to one knowledgeable person from property management or engineering staff. The document review was limited to only those relevant documents made readily available to Cardno in a timely manner. The physical observations were limited to certain heating, ventilation, and air conditioning (HVAC) system areas and other readily accessible building areas likely to become subject to water damage, plumbing leaks, and flooding. Unless noted otherwise herein, Cardno observed the HVAC equipment room(s) and readily accessible mechanical rooms and, in buildings with package units in the ceiling, at least one unit per floor. Also, unless noted otherwise, Cardno observed readily accessible areas of the basement (or lowest level), the top floor, the roof and at least one mid-level floor (if applicable). For multi-story buildings, the total number of floors observed (inclusive of those already mentioned) was intended to be up to 10% of the total number of floors (if readily accessible). For hotel and multi-family buildings, Cardno targeted the lowest and highest levels and roof as described above and up to 10% of units, including one per floor if readily accessible.

The mold screening did not include destructive methods of observation. No sampling or laboratory analyses were conducted. The mold screening service as described herein was limited in scope and by the time and cost considerations typically associated with performing a Phase I ESA. No method can guarantee that a hazard will be discovered if evidence of the hazard is not encountered within the performance of the mold screening as authorized and that opinions and conclusions must, out of necessity, be extrapolated from limited information and discrete, non-continuous data points. Unidentified mold or other microbial conditions may exist on the Subject Property.

- Visual observation and limited sampling of suspect asbestos-containing material (ACM) at the Subject Property. The visual observation consists of providing an opinion on the condition of suspect ACM on the Subject Property, based upon visual observation during the site reconnaissance. The limited sampling, if conducted, consists of the submission of bulk material samples to an accredited laboratory for determination of asbestos concentrations. The sampling was “limited” in that it was not intended to comply with the sampling requirements described in 40 CFR Part 763 or 40 CFR Part 61. Limited surveys are performed to identify the presence of readily accessible suspect ACM and to develop recommendations as to the need for a more thorough survey and/or an operations and maintenance (O&M) program.
- Radon document review, consisting of the review of published radon data with regard to the potential for elevated levels of radon gas in the surrounding area of the Subject Property.
- Lead in drinking water data review, consisting of contacting the water supplier for information regarding whether or not the potable water provided to the Subject Property meets or exceeds drinking water standards for lead.
- Visual observation of lead-based paint (LBP), consisting of providing an opinion on the potential for LBP based on the construction date of buildings on the Subject Property and visual observation of the condition of suspect LBP.
- Wetlands document review, consisting of a review of a current National Wetlands Inventory map of the surrounding area to note if the Subject Property is identified as having a wetland.
- Flood plain document review, consisting of a review of a reasonably ascertainable flood plain map of the surrounding area to note if the Subject Property is identified as being located within a flood plain.

2.3 Significant Assumption

Any assumptions in this report were not considered as having significant impact on the determination of RECs associated with the Subject Property.

2.4 Limitations and Exceptions

Cardno prepared this Phase I ESA report using reasonable efforts to identify RECs associated with hazardous substances or petroleum products at the Subject Property. Findings contained within this report are based on information collected from observations made on the day(s) of the site reconnaissance and from reasonably ascertainable information obtained from certain public agencies and other referenced sources.

The ASTM Standard Practice E 1527-13 recognizes inherent limitations for Phase I ESAs, including, but not limited to:

- *Uncertainty Not Eliminated* – A Phase I ESA cannot completely eliminate uncertainty regarding the potential for RECs in connection with any property.
- *Not Exhaustive* – A Phase I ESA is not an exhaustive investigation of the Subject Property and environmental conditions on such property.

- *Past Uses of the Property* – Phase I requirements only require review of standard historical sources at five year intervals; therefore, past uses of the Subject Property at less than five year intervals may not be discovered.

Users of this report may refer to ASTM Standard Practice E 1527-13 for further information regarding these and other limitations. This report is not definitive and should not be assumed to be a complete and/or specific definition of all conditions above or below grade. Current subsurface conditions may differ from the conditions determined by surface observations, interviews, and reviews of historical sources. The most reliable method of evaluating subsurface conditions is through intrusive techniques, which are beyond the scope of this report. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other property construction purposes. Any use of this report by any party, beyond the scope and intent of the original parties, shall be at the sole risk and expense of such user.

Cardno makes no representation or warranty that the past or current operations at the Subject Property are, or have been, in compliance with all applicable federal, state, and local laws, regulations, and codes. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated. Regardless of the findings stated in this report, Cardno is not responsible for consequences or conditions arising from facts not fully disclosed to Cardno during the assessment.

An independent data research company provided the government agency database referenced in this report. Information on surrounding area properties was requested for approximate minimum search distances and is assumed to be correct and complete unless obviously contradicted by Cardno's observations or other credible referenced sources reviewed during the assessment. Cardno shall not be liable for any such database firm's failure to make relevant files or documents properly available, to properly index files, or otherwise to fail to maintain or produce accurate or complete records.

Cardno used reasonable efforts to identify evidence of aboveground and underground storage tanks (USTs) and ancillary equipment on the Subject Property during the assessment. "Reasonable efforts" were limited to observation of accessible areas, review of referenced public records and interviews. These reasonable efforts may not identify subsurface equipment or evidence hidden from view by things including, but not limited to, snow cover, paving, construction activities, stored materials and landscaping.

Any estimates of costs or quantities in this report are approximations for commercial real estate transaction due diligence purposes and are based on the findings, opinions, and conclusions of this assessment, which are limited by the scope of the assessment, schedule demands, cost constraints, accessibility limitations, and other factors associated with performing the Phase I ESA. Subsequent determinations of costs or quantities may vary from the estimates in this report. The estimated costs or quantities in this report are not intended to be used for financial disclosure related to the Financial Accounting Standards Board (FASB) Statement No. 143, FASB Interpretation No. 47, Sarbanes/Oxley Act or any United States Securities and Exchange Commission reporting obligations, and may not be used for such purposes in any form without the express written permission of Cardno.

Cardno is not a professional title insurance or land surveyor firm and makes no guarantee, express or implied, that any land title records acquired or reviewed in this report, or any physical descriptions or depictions of the Subject Property in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

The Environmental Professional Statement in Section 1.1 of this report does not "certify" the findings contained in this report and is not a legal opinion of the Environmental Professional. The Environmental Professional Statement is intended to document Cardno's opinion that an individual meeting the qualifications of an Environmental Professional was involved in the performance of the assessment and that the activities performed by, or under the supervision of, the Environmental Professional were performed in conformance with the standards and practices set forth in 40 CFR Part 312 per the methodology in ASTM Standard Practice E 1527-13 and the scope of work for this assessment.

Per ASTM Standard Practice E 1527-13, Section 6, User Responsibilities, the user of this assessment has specific obligations for performing tasks during this assessment that will help identify the possibility of RECs in connection with the Subject Property. Failure by the user to fully comply with the requirements may impact their ability to use this report to help qualify for Landowner Liability Protections (LLPs) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Cardno makes no representations or warranties regarding a user's qualification for protection under any federal, state, or local laws, rules, or regulations.

In accordance with the ASTM Standard Practice E 1527-13, this report is presumed to be valid for a six-month period. If the report is older than six months, the following information must be updated for the report to be valid: (1) regulatory review, (2) site visit, (3) interviews, (4) specialized knowledge, and (5) environmental liens search. Reports older than one year may not meet the ASTM Standard Practice 1527-13 and, therefore, the entire report must be updated to reflect current conditions and property-specific information.

Other limitations and exceptions that are specific to the scope of this report may be found in corresponding sections.

2.5 Special Terms and Conditions (User Reliance)

This report is for the use and benefit of, and may be relied upon by the Maverik, Inc., its affiliates, and third parties authorized in writing by the client and Cardno, including the lender(s) in connection with a secured financing of the Subject Property, and their respective successors and assigns. Any third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual Subject Property conditions may change with time, and that hidden conditions may exist at the Subject Property that were not discovered within the authorized scope of the assessment. Any use by or distribution of this report to third parties, without the express written consent of Cardno, is at the sole risk and expense of such third party.

Cardno makes no other representation to any third party except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any third party, either expressed or implied. Unless otherwise agreed upon in writing by Cardno and a third party, Cardno's liability to any third party authorized to use or rely on this report with respect to any acts or omissions shall be limited to a total maximum amount of \$50,000.

3 Site Description

3.1 Local and Legal Description

The Subject Property at NWC of Sheldon Rd & W. Stockton Blvd in Elk Grove, California is located on the north side of Sheldon Rd and the west side of W Stockton Blvd. According to the county assessor, the Subject Property is legally described as POR PARS 10,11,12 AND 13 AS SHOWN ON THE OFFICIAL "PLAT OF SURVEY OF A POR OF S W 1/4 SEC 23, T7N, R5E BEG AT THE N W COR OF SD PAR 13, TH FROM P O B S 89°28'30"E 209.69 FT TH S 19°19'E 37.02 FT, TH N 70°41'E 173.54 FT TH S 09°29'40"W 272.39 FT, TH S 16°35'E 373.86 FT TH S 88°55'20"W 306.86 FT TH N 00°15'W 236.76 FT TO P O B EXC POR FOR R/W PURPOSES PER BK 20070328 PG 1281, and ownership has been vested in June of 2020 since Timothy Dunlap Fitzer.

A Site Vicinity Map is located in Appendix A, a Site Plan is included in Appendix B, and Subject Property photographs are provided in Appendix C.

3.2 Surrounding Area General Characteristics

The surrounding area is primarily characterized by residential properties. The Subject Property can be accessed from Stockton Blvd. Elevation at the Subject Property is at 30.58 feet above mean sea level (msl). The topography of the Subject Property is generally flat. The Subject Property topography is discussed in detail in Section 5.2.1 of this report.

Specific adjoining property information is further discussed in Section 3.5.

3.3 Current Use of the Property

The Subject Property is currently unoccupied, undeveloped and vacant.

Vehicular access to the Subject Property is provided from W Stockton Blvd by means of a paved driveway located on the southern perimeter of the Subject Property.

The Subject Property is designated for residential development by the City of Elk Grove and is considered a legal use in its current configuration.

The Subject Property was not identified in the regulatory database report of Section 5.1.

Subject Property photographs are provided in Appendix C.

3.4 Description of Property Improvements

The following table provides general descriptions of the Subject Property improvements.

Property Improvements

Size of Property (approximate)	Approximate 4.72-acre parcel
General Topography of Property	Generally flat
Adjoining and/or Access/Egress Roads	East: W Stockton Blvd South: Sheldon Rd
Approximate % Paved or Concrete Areas	<input type="checkbox"/> Asphalt 0% <input type="checkbox"/> Concrete 0%
Approximate % Unimproved Areas	100%
Approximate % Landscaped Areas	0%
Approximate % Surface Water	0%

Potable Water Source	City of Sacramento
Sanitary Sewer Utility	City of Sacramento
Storm Sewer Utility	City of Sacramento
Electrical Utility	SMUD
Natural Gas Utility	PG&E
Current Occupancy Status	Unoccupied
Unoccupied Buildings/Spaces/Structures	NA
Number of Occupied Buildings	NA

3.5 Current Uses of Adjoining Properties

The Subject Property is located within a mixed residential area of Sacramento County. During the vicinity reconnaissance, Cardno observed land use in the immediate vicinity of the Subject Property as detailed in the following table.

Adjacent Properties

Direction	Street or Address	Across street (address if applicable)
North	Multi-Family Residential	
South	Sheldon Rd	Residential Properties
East	W Stockton Blvd	Elk Grove Cemetery
West	Multi-Family Residential	

The adjacent property to the north was identified as a Sacramento County ML site in the regulatory database report of Section 5.1.2.

4 User-Provided Information

The following section summarizes information (if any) provided by Maverik, Inc. (User) with regard to the Phase I ESA. Documentation may be found where referenced in this report.

4.1 Title Records

User did not provide title record information for the Subject Property.

4.2 Environmental Liens or Activity and Use Limitations

User did not provide information regarding property environmental liens or activity and use limitations (AULs). Cardno attempted to identify environmental liens and AULs through client-supplied data. No liens or AULs were identified on the Subject Property.

4.3 Specialized Knowledge

User did not provide specialized knowledge regarding RECs associated with the Subject Property.

4.4 Significant Valuation Reduction for Environmental Issues

User did not provide information regarding a significant valuation reduction for environmental issues associated with the Subject Property.

4.5 Owner, Property Manager and Occupant Information

User provided Cardno with a site access contact indicating the Subject Property was currently unoccupied and an escort would not be needed.

4.6 Reason for Performing Phase I ESA

User indicated that the Phase I ESA was being completed prior to a financial transaction regarding the Subject Property.

4.7 Other User Provided Documents

The User was provided an environmental questionnaire concerning the Subject Property. Cardno received the completed document on July 15, 2020. A site map was provided by the User. This information can be reviewed in Appendix D. No other documents were supplied to Cardno as described in the ASTM Standard Practice E 1527-13.

5 Records Review

5.1 Standard Environmental Records

The regulatory agency database report discussed in this section, provided by Environmental Data Resources, Inc. (EDR), of Shelton, Connecticut, was reviewed for information regarding reported releases of hazardous substances and petroleum products on or near the Subject Property. Cardno also reviewed the “unmappable” (also referred to as “orphan”) listings within the database report, cross-referencing available address information and facility names. Unmappable sites are listings that could not be plotted with confidence, but are potentially in the general area of the Subject Property based on the partial street address, city, or zip code. Any unmappable site that was identified by Cardno as a being within the approximate minimum search distance from the Subject Property based on the site reconnaissance and/or cross-referencing to mapped listings, is included in the discussion within this section. The complete regulatory agency database report may be found in Appendix E. The following table is a summary of the findings of the database review.

Summary of Federal, State, and Tribal Database Findings

Regulatory Database	Approx. Minimum Search Distance	Property Listed?	Additional Sites Listed
Federal NPL site list			
NPL	1 mile	No	No
Proposed NPL	1 mile	No	No
NPL LIENS	property	No	No
Federal Delisted NPL site list			
Delisted NPL	1 mile	No	No
Federal CERCLIS list			
FEDERAL FACILITY	½ mile	No	No
SEMS	½ mile	No	No
Federal CERCLIS NFRAP site list			
SEMS-ARCHIVE	½ mile	No	No
Federal RCRA CORRACTS facilities list			
CORRACTS	1 mile	No	No
Federal RCRIS non-CORRACTS TSD facilities list			
RCRA-TSDF	½ mile	No	No
Federal RCRA Generators list			
RCRA-LQG	¼ mile	No	No
RCRA-SQG	¼ mile	No	No
RCRA-VSQG	¼ mile	No	No
Federal Institutional Control/Engineering Control Registry			
LUCIS	½ mile	No	No
US ENG CONTROLS	½ mile	No	No
US INST CONTROL	½ mile	No	No
Federal ERNS list			
ERNS	property	No	No
State – and tribal – equivalent NPL			
RESPONSE	1 mile	No	No

Regulatory Database	Approx. Minimum Search Distance	Property Listed?	Additional Sites Listed
State - and tribal - equivalent CERCLIS ENVIROSTOR	1 mile	No	Yes (3)
State and tribal landfill and/or solid waste disposal site lists SWF/LF	½ mile	No	No
State and tribal leaking storage tank lists LUST INDIAN LUST CPS-SLIC Sacramento Co. CS	½ mile ½ mile ½ mile ½ mile	No No No No	Yes (2) No No Yes (3)
State and tribal registered storage tank lists FEMA UST UST AST INDIAN UST	¼ mile ¼ mile ¼ mile ¼ mile	No No No No	No Yes (1) No No
State and tribal voluntary cleanup sites INDIAN VCP VCP	½ mile ½ mile	No No	No Yes (1)
State and tribal Brownfields sites BROWNFIELDS	½ mile	No	No
Local Brownfield lists US BROWNFIELDS	½ mile	No	No
Local Lists of Landfill / Solid Waste Disposal Sites WMUDS/SWAT SWRCY HAULERS INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	½ mile ½ mile property ½ mile ½ mile ½ mile ½ mile	No No NR No No No No	No Yes (1) No No No No No
Local Lists of Hazardous waste / Contaminated Sites US HIST CDL HIST Cal-Sites SCH CDL Toxic Pits CERS HAZ WASTE US CDL PFAS	property 1 mile ¼ mile property 1 mile ¼ mile property ½ mile	NR No No NR No No NR No	No No No No No Yes (3) No No
Local Lists of Registered Storage Tanks SWEEPS UST HIST UST CA FID UST CERS TANKS	¼ mile ¼ mile ¼ mile ¼ mile	No No No No	No No No Yes (1)

Regulatory Database	Approx. Minimum Search Distance	Property Listed?	Additional Sites Listed
Local Land Records			
LIENS	property	No	No
LIENS 2	property	No	No
DEED	½ mile	No	No
Records of Emergency Release Reports			
HMIRS	property	No	No
CHMIRS	property	No	No
LDS	property	No	No
MCS	property	No	No
SPILLS 90	property	No	No
Other Ascertainable Records			
RCRA NonGen / NLR	¼ mile	No	Yes (5)
FUDS	1 mile	No	No
DOD	1 mile	No	No
SCRD DRYCLEANERS	½ mile	No	No
US FIN ASSUR	property	No	No
EPA WATCH LIST	property	No	No
2020 COR ACTION	¼ mile	No	No
TSCA	property	No	No
TRIS	property	No	No
SSTS	property	No	No
ROD	1 mile	No	No
RMP	property	No	No
RAATS	property	No	No
PRP	property	No	No
PADS	property	No	No
ICIS	property	No	No
FTTS	property	No	No
MLTS	property	No	No
COAL ASH DOE	property	No	No
COAL ASH EPA	½ mile	No	No
PCB TRANSFORMER	property	No	No
RADINFO	property	No	No
HIST FTTS	property	No	No
DOT OPS	property	No	No
CONSENT	1 mile	No	No
INDIAN RESERV	1 mile	No	No
FUSRAP	1 mile	No	No
UMTRA	½ mile	No	No
LEAD SMELTERS	property	No	No
US AIRS	property	No	No
US MINES	¼ mile	No	No
ABANDONED MINES	¼ mile	No	No
FINDS	property	No	No
DOCKET HWC	1 mile	No	No
UXO	property	No	No

Regulatory Database	Approx. Minimum Search Distance	Property Listed?	Additional Sites Listed
ECHO	property	No	No
FUELS PROGRAM	¼ mile	No	No
CA BOND EXP PLAN	1 mile	No	No
Cortese	½ mile	No	Yes (2)
CUPA Listings	¼ mile	No	No
DRYCLEANERS	¼ mile	No	Yes (1)
EMI	property	No	No
ENF	property	No	No
Financial Assurance	property	No	No
HAZNET	property	No	No
ICE	property	No	No
HIST CORTESE	½ mile	No	Yes (2)
HWP	1 mile	No	No
HWT	¼ mile	No	Yes (1)
MINES	¼ mile	No	No
Sacramento Co. ML	¼ mile	No	Yes (10)
MWMP	¼ mile	No	No
NPDES	property	No	No
PEST LIC	property	No	No
PROC	½ mile	No	No
Notify 65	1 mile	No	No
UIC	property	No	No
UIC GEO	property	No	No
WASTEWATER PITS	½ mile	No	No
WDS	property	No	No
WIP	¼ mile	No	No
MILITARY PRIV SITES	property	No	No
PROJECT	property	No	No
WDR	property	No	No
CIWQS	property	No	No
CERS	property	No	No
NON-CASE INFO	property	No	No
OTHER OIL GAS	property	No	No
PROD WATER PONDS	property	No	No
SAMPLING POINT	property	No	No
WELL STIM PROJ	property	No	No
HWTS	property	No	No
MINES MRDS	property	No	No
EDR Exclusive Records			
EDR MGP	1 mile	No	No
EDR HIST Auto	1/8 mile	No	No
EDR HIST Cleaner	1/8 mile	No	No
Exclusive Recovered Govt. Archives			
RGA LF	property	No	No
RGA LUST	property	No	No

5.1.1 Subject Property Listings

The Subject Property is not identified in the regulatory database report.

5.1.2 Adjacent Property Listings

The adjacent properties are identified in the regulatory database report:

- The adjacent property, identified as E & J Market at 8706 W. Stockton Blvd, is located adjacent to (0.018 mile) the north and cross-gradient of the Subject Property. This facility is listed in the EDR database as a Sacramento Co. CS site where an unauthorized release of potentially hazardous material has occurred. This site reported a release of gasoline on June 4, 1990, which reportedly impacted soil only. According to the database, the case closure date was February 9, 1996. Based on the distance of the impacted soil to the Subject Property boundary and the regulatory closure, this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.
- The adjacent property, identified as E & J Market at 8706 Stockton Blvd, is located adjacent to (0.146 mile) the north –northeast and upgradient of the Subject Property. This facility is listed in the EDR database as a HIST CORTESE, CERS, LUST, CORTESE site. This site reported a release of gasoline on April 6, 1990, which reportedly impacted soil only. Site assessment activities began on October 25, 1993 at the site under regulatory oversight. No reports as to the nature of the site assessment were available for review in the State of California, Water Boards regulatory database (geotracker). According to the database, the case closure date was March 19, 1996. Based on the distance of the impacted soil to the Subject Property boundary and the regulatory closure, this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

5.1.3 Sites of Concern Listings

No sites of concern are identified in the regulatory database report.

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

5.1.4 Orphan Listings

No orphan listings are identified in the regulatory database report.

5.1.5 Local Environmental Records Search

Name of Agency: California Environmental Protection Agency
Point of Contact: EDR Lightbox
Agency Address: 1001 I Street, Sacramento, CA 95814
Agency Phone Number: (916) 323-2514
Date of Contact: July 14, 2020
Method of Communication: Online
Communication Summary: No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the Subject Property were on file with the agency.

A copy of pertinent documents is included in Appendix E of this report.

5.1.6 Health Department

Name of Agency: Sacramento County Environmental Management
Point of Contact: Email
Agency Address: 10590 Armstrong Ave, Mather, CA 95655
Agency Phone Number: (916) 785-8484
Date of Contact: July 14, 2020
Method of Communication: Online
Communication Summary: No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the Subject Property were on file with the agency.

5.1.7 Fire Department

Name of Agency: Cosumnes Community Services District
Point of Contact: Fire Chief
Agency Address: 10573 E Stockton Blvd, Elk Grove, CA 95624
Agency Phone Number: (916) 405-7100
Date of Contact: July 15, 2020
Method of Communication: Telephone/Email
Communication Summary: As of the date of this report, Cardno has not received a response from this agency for inclusion in this report.

5.1.8 Building Department

Name of Agency: City Of Sacramento Community Development Department
Point of Contact: EDR Lightbox
Agency Address: 300 Richards Blvd, Sacramento, CA 95811
Agency Phone Number: (916) 264-5011
Date of Contact: July 15, 2020
Method of Communication: Online
Communication Summary: Records were not available for review for the Subject Property, as further discussed in the following table

5.1.9 Planning Department

Name of Agency: City Of Sacramento Community Development Department
Point of Contact: Website
Agency Address: 300 Richards Blvd, Sacramento, CA 95811
Agency Phone Number: (916) 264-5011
Date of Contact: July 15, 2020
Method of Communication: Online
Communication Summary: According to records reviewed, the Subject Property is zoned for residential development by the City of Sacramento.

A copy of pertinent documents is included in Appendix G of this report.

5.1.10 Oil & Gas Exploration

Name of Agency: Division of Oil, Gas, and Geothermal Resources
Point of Contact: EDR Lightbox
Agency Address: 4800 Stockdale Hwy #100, Bakersfield, CA 93309
Agency Phone Number: (661) 322-4031
Date of Contact: July 14, 2020
Method of Communication: Online
Communication Summary: According to the agency, no oil or gas wells are located on or adjacent to the Subject Property.

5.1.11 Assessor's Office

Name of Agency: Sacramento County Assessor
Point of Contact: Website
Agency Address: 3701 Power Inn Rd, Floor 3, Suite 3000, Sacramento, CA 95826
Agency Phone Number: (916) 875-0700
Date of Contact: July 14, 2020
Method of Communication: Online
Communication Summary: According to records reviewed, the Subject property is identified by Assessor Parcel Number (APN) 117-0220-019-0000 and is currently owned by Timothy Dunlap Fitzer since 2020.

5.1.12 Utilities

Utility providers for the Subject Property are detailed in the following table.

Utility Providers

Utility	Provider
Electrical Utility Company	SMUD
Water Utility	City of Sacramento
Sewer Utility	City of Sacramento
Natural Gas Utility	Pacific Gas and Electric Company (PGE)

5.1.13 Other Local Environmental Records Sources

No additional local environmental records sources were reviewed for this assessment.

5.2 Physical Setting Sources

5.2.1 Topography

The United States Geological Survey (USGS) *Florin*, California Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the Subject Property is located at approximately 30.58 feet above msl. The contour lines in the area of the Subject Property indicate the area is sloping gently toward the southwest. The Subject Property is depicted on the 2012 map as undeveloped.

5.2.2 Geology/Soils

The Subject Property is situated within the Alluvium Riverbank Formation.

Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the Subject Property is mapped as San Joaquin silt loam. The San Joaquin series consists of Class D soils with very slow infiltration rates. The soils are clayey, have a high water table, or are shallow to an impervious layer, moderately well drained, partially hydric, and a moderate corrosion potential.

5.2.3 Hydrology

According to topographic map interpretation, the direction of groundwater in the vicinity of the Subject Property is inferred to flow toward the southwest. The nearest surface water in the vicinity of the Subject Property is the Elk Grove Creek, located approximately 2,650 feet south of the Subject Property. No settling ponds, lagoons, surface impoundments, wetlands, or natural catch basins were observed at the Subject Property during this assessment.

According to available information, a public water system operated by the Elk Grove County Water Agency serves the Subject Property vicinity. According to the Annual Water Quality Report, shallow groundwater beneath the Subject Property is not used for domestic purposes. The sources of public water for the City of Elk Grove are groundwater water wells.

Information specific to the Subject Property regarding the depth to groundwater and direction of depth to the high water table is approximately 102 feet below ground surface (bgs).

5.2.4 Other Physical Setting Sources

5.2.4.1 Flood Plain Map

Cardno performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency (FEMA). According to Community Panel Number 06067C0309H, August 16, 2012, the Subject Property appears to be located in Zone X, an area located within an area of minimal flood hazard.

A copy of the FEMA Map is included in Appendix G.

5.2.4.2 Wetlands Map

According to the U.S. Fish and Wildlife Service, National Wetlands Inventory, wetlands *are not* located on the Subject Property. A copy of the Wetland Map is included in Appendix G. It is noted that this investigation did not include a formal determination relating to the presence of possible wetlands areas on the Subject Property.

5.3 Historical Records Sources

The following table summarizes the findings of the research presented in the following subsections pertaining to historical property and surrounding area uses.

Historical Use Information

Period / Date	Source	Description / Use
1894 - present	Aerial Photographs, Interviews, Topographic Maps, On-site Observations	Undeveloped Vacant Land

Potential environmental concerns were not identified in association with the current or former use of the Subject Property.

Data gaps were encountered; however, based on the historical research conducted, *significant data gaps* were not identified during this Phase I ESA. As such, the requirements of ASTM Standard Practice E 1527-13 §8.3.2.1 and §8.3.2.2 have been satisfied and the historical research is considered complete.

5.3.1 Aerial Photographs

Cardno obtained available aerial photographs of the Subject Property and surrounding area from Environmental Data Resources on July 13, 2020. The observations in the following tables were noted to be visible on the Subject Property and adjacent properties during the aerial photograph review.

Aerial Photographs (1937)

	Description	Scale: 1"=500'
Subject Property	Appears to be undeveloped vacant land	
North	Appears to be undeveloped vacant land	
South	Appears to be undeveloped vacant land across a road	
East	Appears to be developed with a cemetery	
West	Appears to be undeveloped vacant land	

Aerial Photographs (1947)

	Description	Scale: 1"=500'
Subject Property	Appears to be undeveloped vacant land	
North	Appears to be undeveloped vacant land	
South	Appears to be undeveloped vacant land across a road	
East	Appears to be developed with a cemetery	
West	Appears to be developed with multiple structures	

Aerial Photographs (1957, 1964, 1966, 1972, 1984, 1993, 1998, 2006)

	Description	Scale: 1"=500'
Subject Property	Appears to be undeveloped vacant land	
North	Appears to be developed with multiple structures	
South	Appears to be undeveloped vacant land across a road	

East	Appears to be developed with a cemetery across a road
West	Appears to be developed with multiple structures

Aerial Photographs (2009, 2012, 2016)

	Description	Scale: 1"=500'
Subject Property	Appears to be undeveloped vacant land	
North	Appears to be developed with multiple structures	
South	Appears to be undeveloped vacant land across a road	
East	Appears to be developed with a cemetery across a road	
West	Appears to be undeveloped vacant land	

Copies of select aerial photographs are included in Appendix F of this report.

5.3.2 Fire Insurance Maps

Cardno reviewed the collection of Sanborn Fire insurance maps from Environmental Data Resources on July 13, 2020. Sanborn map coverage was not available for the Subject Property.

Copies of reviewed Sanborn Maps are included in Appendix G of this report.

5.3.3 Property Tax Files

According to information obtained from the Sacramento County Assessor's office, the Subject Property is made up of 1 parcel of land. This is parcel 117-0220-019-0000. According to the Sacramento County Assessor's online data, all parcels are owned by Timothy Dunlap Fitzer.

Additional historical ownership information was not available. The review of tax files did not identify past uses indicating RECs at the Subject Property.

5.3.4 Recorded Land Title Records and AULs

The acquisition of recorded land title records was not required by the scope of work for this ESA; however, Cardno did conduct a search for environmental liens and/or AULs using client-supplied information. No environmental liens or AULs were identified from the client-supplied information.

5.3.5 Historical USGS Topographic Quadrangles

Cardno reviewed historical topographic maps obtained from Environmental Data Resources on July 13, 2020. The observations of the Subject Property and adjacent properties made during the topographic map review are as follows.

Historic USGS Topographic Quadrangles (1894)

	Description
Subject Property	Appears to be undeveloped vacant land
North	Appears to be undeveloped vacant land
South	Appears to be undeveloped vacant land
East	Appears to be undeveloped vacant land
West	Appears to be undeveloped vacant land

Historic USGS Topographic Quadrangles (1909)

	Description
Subject Property	Appears to be undeveloped vacant land

North	Appears to be undeveloped vacant land
South	Appears to be undeveloped vacant land across a road
East	Appears to be undeveloped vacant land across a road
West	Appears to be undeveloped vacant land

Historic USGS Topographic Quadrangles (1941, 1947)

	Description
Subject Property	Appears to be undeveloped vacant land
North	Appears to be undeveloped vacant land
South	Appears to be undeveloped vacant land across a road
East	Appears to be developed with a cemetery
West	Appears to be undeveloped vacant land

Historic USGS Topographic Quadrangles (1968, 1975, 1980)

	Description
Subject Property	Appears to be undeveloped vacant land
North	Appears to be developed with multiple properties across a road
South	Appears to be undeveloped vacant land across a road
East	Appears to be developed with a cemetery across a road
West	Appears to be developed with multiple properties

Historic USGS Topographic Quadrangles (2012) no structures are depicted on this map

Copies of reviewed topographic maps are included in Appendix G of this report.

5.3.6 City Directories

Cardno reviewed historical city directories obtained from Environmental Data Resources on July 16, 2020 for past names and businesses that were listed for the Subject Property and adjacent properties.

City directories were not identified for the Subject Property.

City directory findings are presented in the following table.

City Directory Search (Adjacent Properties)

Year(s)	Occupant	Address	Environmentally Sensitive
1981	Residential	8119 Sheldon Rd	No
1981, 1992, 1995, 2000, 2005	Residential	8159 Sheldon Rd	No
1981	Residential	8163 Sheldon Rd	No
1981, 1985, 1992, 2000, 2005	Residential	8165 Sheldon Rd	No
1981, 1985, 2005	Residential	8169 Sheldon Rd	No
1992, 1995	EJ Market	8700 Stockton Blvd	Yes
1992, 1995	Laguna Creek Golf Center	8119 Sheldon Rd	No
1995, 2005	Residential	8151 Sheldon Rd	No
2000, 2005, 2010, 2014, 2017	Residential	8706 Stockton Blvd	No

2000, 2005	Residential	8712 Stockton Blvd	No
2000	Family Golf Centers	8119 Sheldon Rd	No
2005	Floors & More Design Center	8700 W Stockton Blvd	No
2010	A J Market	8700 W Stockton Blvd	Yes
2010	Jaya Corp	8700 W Stockton Blvd	No
2010	Route 99 Liquor	8700 W Stockton Blvd	Yes

Copies of reviewed city directories are included in Appendix G of this report.

5.3.7 Building Department Records

Building Department records were previously discussed in Section 5.1.8.

5.3.8 Zoning/Land Use Records

Zoning/land use records were previously discussed in Section 5.1.9.

5.3.9 Prior Reports

No prior reports were reviewed for this assessment.

5.3.10 Other Historical Sources

No other historical sources were reviewed for this assessment.

6 Site Reconnaissance

The initial unaccompanied site reconnaissance was conducted by Michelle Bostrom of Cardno on July 16, 2020. This visit was focused on the publically accessible areas of the Subject Property and noted only exterior features.

Photographs of the Subject Property are included in Appendix C.

6.1 Methodology and Limiting Conditions

The site reconnaissance consisted of visual and/or physical observations of the Subject Property and improvements, adjoining sites as viewed from the Subject Property, and the surrounding area based on visual observations made during the trip to and from the Subject Property. At the time of the Subject Property inspection, the weather conditions were clear and approximately 95 degrees Fahrenheit. The ground was clear, allowing for an unobstructed visual inspection.

6.2 Hazardous Substance Use, Storage, and Disposal

No hazardous substances or petroleum products were observed on the Subject Property during the site reconnaissance.

6.3 Aboveground and Underground Hazardous Substance or Petroleum Product Storage Tanks

No evidence of current or former aboveground storage tanks (ASTs) or USTs was observed during the site reconnaissance.

6.4 Polychlorinated Biphenyls

No potential polychlorinated biphenyl (PCB)-containing equipment (transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc.) was observed on the Subject Property.

6.5 Unidentified Substance Containers

Cardno did not observe any unidentified substance containers on the Subject Property.

6.6 Non-hazardous Solid Waste

Cardno observed non-hazardous or solid waste on the Subject Property. Light demolition and household debris were observed on the Subject Property.

6.7 Wastewater

Cardno did not observe evidence of wastewater generated, treated or discharged (including sanitary sewage and storm water) on the Subject Property.

6.8 Waste Pits, Ponds and Lagoons

Cardno did not observe evidence of waste pits, ponds, or lagoons on the Subject Property.

6.9 Sumps

Cardno did not observe evidence of sumps or oil/water separators on the Subject Property.

6.10 Septic Systems

Cardno did not observe evidence of a septic system on the Subject Property.

6.11 Storm water Management System

Cardno observed a ditch and box culvert located along the southern perimeter of the Subject Property and another ditch located along the eastern perimeter of the Subject Property. Both systems potentially receive surface runoff from the adjacent roadways.

6.12 Wells

Cardno did not observe evidence of wells on the Subject Property. Cardno observed what appeared to be a destroyed water supply well and vent pipe along the western perimeter of the Subject Property. These remnant facilities are likely related to the former homestead property on the adjacent property to the west of the Subject Property.

7 Interviews

Persons were interviewed to obtain information regarding RECs in connection with the Subject Property. Pertinent information (if any) identified during those interviews are discussed in the respective sections of this report.

Record of Communication

Communication with	Date	Summary of Communication
Ashley Olsen	July 10, 2020	Cardno contacted the Site User Representative to obtain site access and contact information. Ms. Olsen indicated they were unaware of any spills, uncontrolled releases, or violations associated with the Subject Property.
Angelo G. Tsakopoulos	July 15, 2020	Rm Tsakopoulos indicated they were unaware of any spills, uncontrolled releases, or violations associated with the Subject Property.

8 Other Environmental Conditions

8.1 Asbestos-Containing Material

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be presumed to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are *presumed asbestos-containing material* (PACM).

Due to the undeveloped nature of the Subject Property, ACMs were not considered within the scope of this assessment.

8.2 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The U.S. EPA has prepared a map to assist national, state, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, as detailed in the following table.

U.S. EPA Radon Zones

Zones	Average Predicted Radon Levels	Potential
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the U.S. EPA has found homes with elevated levels of radon in all three zones, and the U.S. EPA recommends site-specific testing to determine radon levels at a specific location; however, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the U.S. EPA Map of Radon Zones places the Subject Property in Zone 3. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

A copy of the County Radon Map is included in Appendix K of this report.

8.3 Lead in Drinking Water

According to available information, a public water system operated by the Sacramento Department of Public Works serves the Subject Property vicinity. According to the 2019 Annual Water Quality Report, shallow groundwater beneath the Subject Property is not used for domestic purposes. The sources of public water for the City of Elk Grove are water from groundwater wells. According to the City of Sacramento and the 2019 Annual Water Quality Report, water supplied to the Subject Property is in compliance with all state and federal regulations pertaining to drinking water standards, including lead and copper.

Water sampling was not conducted to verify water quality.

8.4 Lead-Based Paint

Lead is a highly toxic metal that affects virtually every system of the body. Lead-based paint (LBP) is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm² (or 5,000 µg/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X,"

to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a “hazard,” although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the U.S. Department of Housing and Urban Development (HUD) and the U.S. EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

Due to the undeveloped nature of the Subject Property, LBP was not considered within the scope of this assessment.

8.5 Mold Screening

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g., in the form of very high humidity, condensation, or water from a leaking pipe), and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Due to the undeveloped nature of the Subject Property, Mold Screening was not considered within the scope of this assessment.

8.6 Vapor Encroachment

Cardno, Inc. conducted a limited screening for potential vapor encroachment conditions (VECs) that may affect the Subject Property. The VEC screening focused on the current and historical usage of the Subject Property and also used the aforementioned regulatory database report provided by EDR to evaluate identified chemicals of concern, including petroleum hydrocarbons. The results of the limited screening did not indicate the presence of potential VECs for the Subject Property. This would not be considered a REC related to the Subject Property. A VEC report is located in Appendix K.

If the client should choose to further evaluate the potential VECs, Cardno, Inc. can provide those services accordingly.

9 References

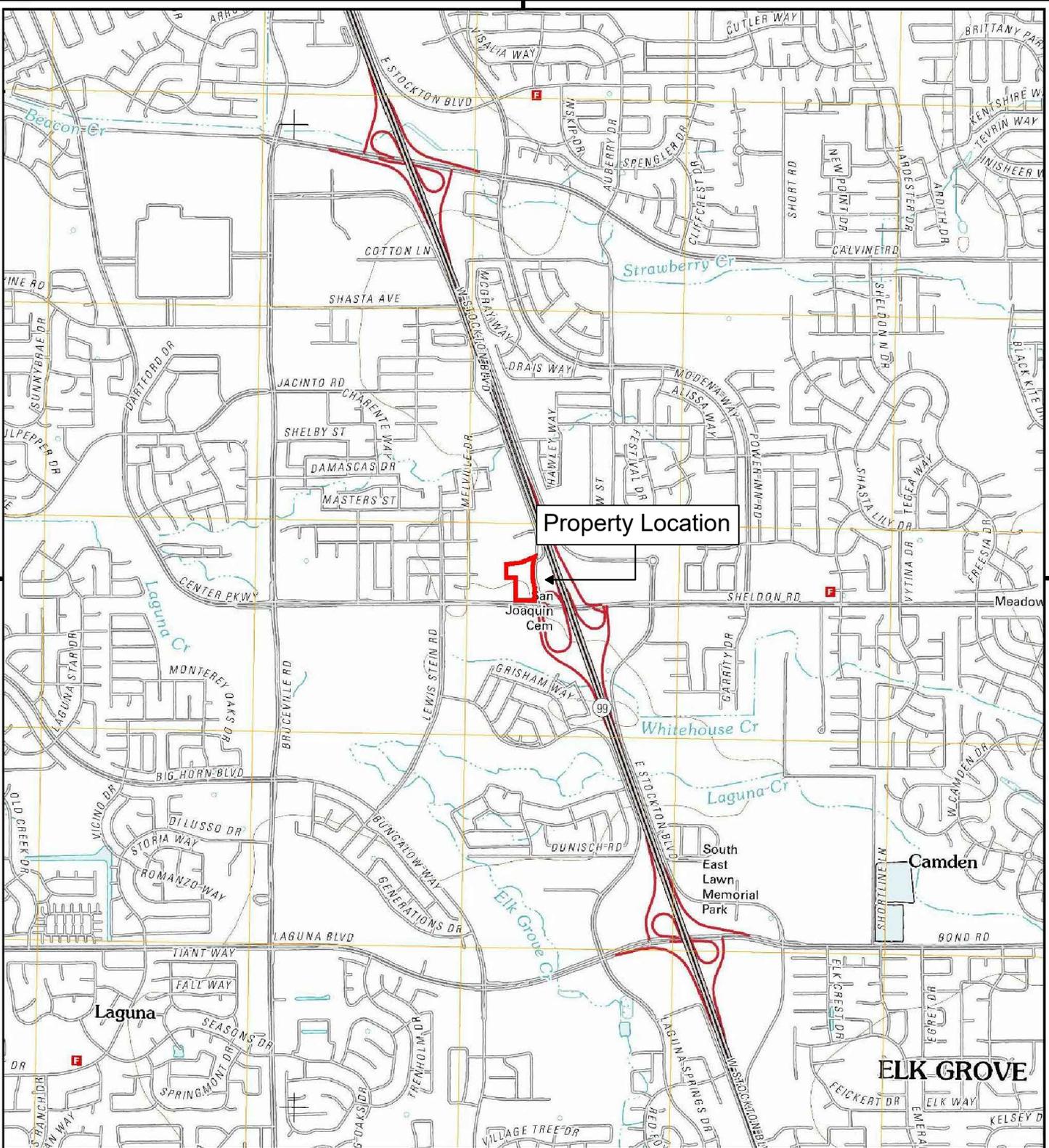
- ASTM International (ASTM). *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13*, dated November 2005.
- ASTM International (ASTM). *Standard Guide for Readily Observable Mold and Conditions Conducive to Mold in Commercial Buildings: Baseline Survey Process, ASTM Designation E 2418-06*, dated March 2006.
- Environmental Data Resources, Inc. (EDR). *EDR Vapor Encroachment Screen, Prepared using EDR's Vapor Encroachment Worksheet; Inquiry Number 6119619.2s*, dated July 13, 2020.
- Environmental Data Resources, Inc. (EDR). *Certified Sanborn Map Report®, Inquiry Number 6119619.3*, dated July 13, 2020.
- Environmental Data Resources, Inc. (EDR). *The EDR Aerial Photo Decade Package; Inquiry Number 6119619.8*, dated July 13, 2020.
- Environmental Data Resources, Inc. (EDR). *The EDR-City Directory Abstract; Inquiry Number 6119619.5*, dated July 15, 2020.
- Environmental Data Resources, Inc. (EDR). *The EDR Historical Topographic Map Report; Inquiry Number 6119619.4*, dated July 13, 2020.
- Environmental Data Resources, Inc. (EDR). *The EDR Radius Report with GeoCheck; Inquiry Number 6119619.2*, dated July 15, 2020.
- Federal Emergency Management Act, Map Service Center website, <https://msc.fema.gov/webapp/>, accessed July 14, 2020.
- U.S. Fish and Wildlife Service, National Wetlands Inventory, <http://www.fws.gov/wetlands/Data/Mapper>, accessed July 14, 2020.
- United States Department of Agriculture (USDA) Soil Conservation Service (SCS) Soil Survey website, <http://websoilsurvey.sc.egov.usda.gov/App/>, accessed July 14, 2020.
- United States Geological Survey (USGS) Interactive Geologic Map of California, <http://ngmdb.usgs.gov/maps/>, accessed July 14, 2020.

Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California

Appendix

A

Site Vicinity Map



This report includes information from the following map sheet(s).



1

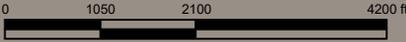
Latitude: 38° 26' 21" N
 Longitude: -121° 24' 15" W

Florin, 2012
 Project No. 820AR00790.0001

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Figure 1: Site Vicinity Map

Maverik - Sacramento, CA
 Potential Maverik Location
 El Camino Avenue & El Centro Road
 Sacramento, Sacramento County, California



1142 WEST 2320 SOUTH, SUITE A
 WEST VALLEY, UTAH 84119
 P: 801-256-3800 F: 801-973-1095

Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California

Appendix

B

Site Plan



2

Latitude: 38° 26' 21" N
 Longitude: -121° 24' 15" W

Project No. 820AR00790.0001

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Figure 2: SITE PLAN
 Maverik - Elk Grove, CA
 Potential Maverik Location
 Sheldon Rd & W Stockton Blvd
 Elk Grove, Sacramento County, California



1142 WEST 2320 SOUTH, SUITE A
 WEST VALLEY, UTAH 84119
 P: 801-256-3800 F: 801-973-1095

Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California

Appendix

C

Subject Property Photographs



1. View of the Subject Property looking Northeast.



2. View of the Subject Property looking Northwest.



3. View of the north-central portion of the Subject Property looking North.



4. View of the eastern perimeter of the Subject Property and drainage ditch adjacent to W. Stockton Rd.



5. Box culvert within the drainage ditch in the north-eastern most portion of the Subject Property.



6. View of the central portion of the Subject Property looking South.

APPENDIX A: SITE PHOTOGRAPHS

Project No. 820AR00790.0001



7. View of the central portion of the Subject Property looking Southwest.



8. View of the southern perimeter of the Subject Property looking East with drainage ditch.



9. View of the southern portion of the Subject Property looking Southwest.



10. View of the western perimeter of the Subject Site and adjacent vacant lot, looking Southwest.



11. View of the western portion of the Subject Property looking West.



12. View of the western perimeter of the Subject Property with vent pipe and defunct supply well.

APPENDIX A: SITE PHOTOGRAPHS

Project No. 820AR00790.0001



13. Western adjacent property and what appears to be remnants of fencing and defunct well.



14. View of what appears to be a destroyed water supply well on the adjacent property to the West.



15. What appears to be an unidentified vent pipe along the western perimeter of the Subject Property.



16. Adjacent property to the north with multi-family housing.



17. Adjacent property to the north with multi-family housing.



18. Adjacent Property to the east with W. Stockton Rd in the foreground followed San Joaquin Cemetery.

APPENDIX A: SITE PHOTOGRAPHS

Project No. 820AR00790.0001



19. Adjacent property to the south of the Subject Property with Sheldon Road in the foreground.



20. Adjacent commercial development to the southwest of the Subject Property beyond Sheldon Rd.

APPENDIX A: SITE PHOTOGRAPHS

Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California

Appendix

D

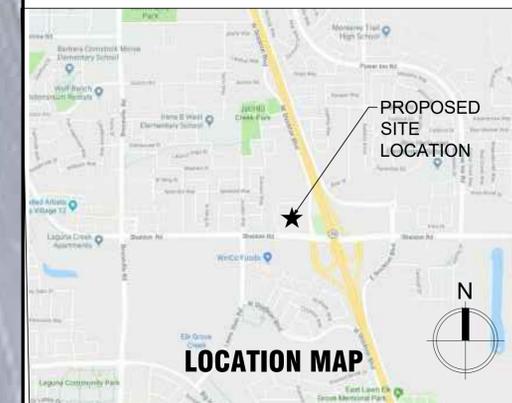
User Provided Documentation



STORE #: TBD
MAVERIK, INC.
SHELDON AND HWY 99
ELK GROVE, CA

SITE DATA

PARKING:	52 STALLS PROVIDED (2 A.D.A.) (Not incl. gas canopy locations)
PARCEL AREA:	205,666 SQ. FT. 4.72 ACRES
BUILDING AREA:	5,780 SQ. FT. 0.13 ACRES
ASPHALT AREA:	86,768 SQ. FT. 1.99 ACRES
LANDSCAPE AREA:	83,758 SQ. FT. 1.92 ACRES



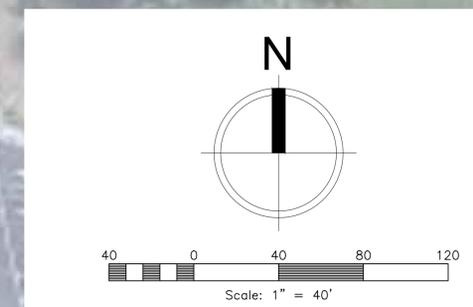
NOTES:

- AREAS AND DIMENSIONS PROVIDED ARE APPROXIMATE AND SHOULD BE VERIFIED BY A SURVEY
- THIS PLAN IS FOR ILLUSTRATIVE PURPOSES ONLY
- THE BOUNDARIES OF THE PROPERTY SHOWN ON THIS DRAWING WERE CREATED FROM SCALED INFORMATION AND SHOULD NOT BE CONSIDERED ACCURATE.

#	DATE	DESCRIPTION
2	11/08/2018	CONCEPTUAL SITE PLAN
1	10/29/2018	CONCEPTUAL SITE PLAN

Conceptual Site Plan

Option A



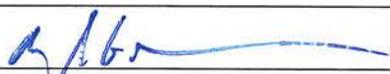
ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Please complete to the best of your knowledge. For those questions that are not applicable, please respond with an "N/A". For those questions that are unknown, please respond with "unknown".

1. PROPERTY INFORMATION:

Property Name: N/A		
Property Address: Per Sacramento County Assessor Parcel Viewer: Sheldon Road		
City Elk Grove	State California	Zip 95758
Assessor's Parcel Number 117-0220-019-0000		
Property Owner & Contact Information: Sheldon Heritage, LLC		
Date Property Owner Purchased: Internal notes suggest property was acquired in 1967		
Key Site Manager & Contact Information: Angelo G. Tsakopoulos		

2. COMPLETED BY

Signature 	Date 7-15-2020
Printed Name Angelo G. Tsakopoulos	Relation to Subject Property Manager

3. PREVIOUS INVESTIGATIONS

Have any previous environmental investigations been performed at the property, including Phase I ESAs, Phase II Subsurface Investigations, Remediation, Asbestos or Lead-Based Paint surveys? Not to my knowledge. (If yes, please provide copies)

4. PROPERTY DESCRIPTION

Property Size: _____ 159,430 s.f. _____ Number of Building(s): _____ 0 _____

Size of Building(s): _____ N/A _____

Date of Construction: _____ N/A _____

Property Type: (please circle)

Multi-Family Hotel Mobile Home Park Retail Commercial Industrial Office

Other: _____

Please provide Rent Roll if Applicable. N/A

Historical Use of Property: _____ N/A _____

Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California

Appendix

E

Regulatory Database Report

Maverik - Elk Grove, CA

NWC of Sheldon Rd & W Stockton Blvd
Elk Grove, CA 95758

Inquiry Number: 6119619.2s

July 13, 2020

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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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 the environmental records was conducted by Environmental Data Resources, Inc. (EDR). CARDNO, INC. used the EDR FieldCheck System to review and/or revise the results of this search, based on independent data verification by CARDNO, INC.. 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

NWC OF SHELDON RD & W STOCKTON BLVD
ELK GROVE, CA 95758

COORDINATES

Latitude (North):	38.4391130 - 38° 26' 20.80"
Longitude (West):	121.4042380 - 121° 24' 15.25"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	639271.8
UTM Y (Meters):	4255536.5
Elevation:	31 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5619710 FLORIN, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140621
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
 NWC OF SHELDON RD & W STOCKTON BLVD
 ELK GROVE, CA 95758

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	E & J MARKET	8706 W STOCKTON BLVD	Sacramento Co. CS	Higher	94, 0.018, North
A2	ROUTE 99 LIQUOR	8700 W STOCKTON BLVD	Sacramento Co. ML	Higher	104, 0.020, NNE
A3	ARJ MARKET	8700 W STOCKTON BLVD	Sacramento Co. ML	Higher	104, 0.020, NNE
A4	SKM MARKET	8696 W STOCKTON BLVD	Sacramento Co. ML	Higher	213, 0.040, NNE
B5	KALWANI PROPERTY	8151 SHELDON ROAD	Sacramento Co. CS, ENVIROSTOR, VCP	Lower	505, 0.096, WSW
C6	VERIZON WIRELESS LAG	8680 W STOCKTON BLVD	Sacramento Co. ML	Higher	512, 0.097, North
B7	WINCO FOODS INC #37	8142 SHELDON RD	HAZNET, HWTS, Sacramento Co. ML	Lower	553, 0.105, SW
B8	WINCO FOODS #37	8142 SHELDON RD	CERS, CERS HAZ WASTE, HAZNET, HWTS	Lower	553, 0.105, SW
B9	WINCO FOODS #37	8142 SHELDON RD	RCRA NonGen / NLR	Lower	553, 0.105, SW
C10	ELK GROVE CYCLE CENT	8672 W STOCKTON BLVD	Sacramento Co. ML	Higher	637, 0.121, North
D11	JE EXPRESS	6 DONSON COURT	HWT	Lower	670, 0.127, West
D12	JE EXPRESS	6 DONSON CT	RCRA NonGen / NLR	Lower	670, 0.127, West
E13	E & J MARKET (FORMER	8706 STOCKTON	HIST CORTESE, CERS, LUST, Cortese	Higher	769, 0.146, NNE
E14	E & J'S MARKET	8700 STOCKTON BL	Sacramento Co. ML	Higher	865, 0.164, NNE
F15	SHELDON ROAD CHEVRON	8100 SHELDON ROAD	UST	Higher	1022, 0.194, WSW
F16	7-ELEVEN INC #41227	8100 SHELDON ROAD	CERS TANKS, HWTS	Higher	1022, 0.194, WSW
F17	7 ELEVEN 41227	8100 SHELDON RD	RCRA NonGen / NLR	Higher	1022, 0.194, WSW
F18	SHELDON ROAD CHEVRON	8100 SHELDON RD	Sacramento Co. ML	Higher	1022, 0.194, WSW
F19	SHELDON ROAD CHEVRON	8100 SHELDON ROAD	CERS, CERS HAZ WASTE	Higher	1022, 0.194, WSW
F20	SHELDON RD CHEVRON	8100 SHELDON RD	RCRA NonGen / NLR	Higher	1022, 0.194, WSW
G21	DOLLAR TREE # 03447	8126 SHELDON RD	Sacramento Co. ML	Lower	1032, 0.195, SW
G22	DOLLAR TREE #03447	8126 SHELDON RD	CERS, CERS HAZ WASTE, HAZNET, SWRCY, HWTS	Lower	1032, 0.195, SW
G23	DOLLAR TREE #03447	8126 SHELDON RD	RCRA NonGen / NLR	Lower	1032, 0.195, SW
G24	FRESH CLEANERS SHELD	8112 SHELDON RD STE	HWTS, Sacramento Co. ML, DRYCLEANERS	Lower	1242, 0.235, SW
H25	CENTURY EQUIPMENT	8821 STOCKTON	HIST CORTESE, CERS, LUST, Cortese, Sacramento Co....	Higher	1865, 0.353, East
H26	STOCKMEN SUPPLY CO	8821 E STOCKTON BLVD	Sacramento Co. CS, Sacramento Co. ML	Higher	1865, 0.353, East
27	OBIE'S DUMP	8437 SHELDON ROAD	ENVIROSTOR, CPS-SLIC, VCP, LIENS	Higher	2868, 0.543, East
28	ARCADIAN VILLAGE ELE	SHELDON ROAD/POWER I	ENVIROSTOR, SCH	Higher	2942, 0.557, ENE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No sites were identified in following databases.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
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-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

EXECUTIVE SUMMARY

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

CPS-SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

AST..... Aboveground Petroleum Storage Tank Facilities

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields 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

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

EXECUTIVE SUMMARY

US CDL..... National Clandestine Laboratory Register
PFAS..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

SWEEPS UST..... SWEEPS UST Listing
HIST UST..... Hazardous Substance Storage Container Database
CA FID UST..... Facility Inventory 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

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

EXECUTIVE SUMMARY

US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CUPA Listings.....	CUPA Resources List
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HWP.....	EnviroStor Permitted Facilities Listing
MINES.....	Mines Site Location Listing
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
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
HWTS.....	Hazardous Waste Tracking System
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

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

EXECUTIVE SUMMARY

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

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies 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.

An online review and analysis by CARDNO, INC. of the ENVIROSTOR list, as provided by EDR, has revealed that there are 3 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>OBIE'S DUMP</i> Status: Inactive - Needs Evaluation: Facility Id: 60001365:	<i>8437 SHELDON ROAD</i>	<i>E 1/2 - 1 (0.543 mi.)</i>	<i>27</i>	<i>131</i>
<i>ARCADIAN VILLAGE ELE</i> Status: No Action Required: Facility Id: 34010012:	<i>SHELDON ROAD/POWER I</i>	<i>ENE 1/2 - 1 (0.557 mi.)</i>	<i>28</i>	<i>139</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>KALWANI PROPERTY</i> Status: No Further Action: Facility Id: 34880001:	<i>8151 SHELDON ROAD</i>	<i>WSW 0 - 1/8 (0.096 mi.)</i>	<i>B5</i>	<i>11</i>

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST: 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.

An online review and analysis by CARDNO, INC. of the LUST list, as provided by EDR, has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
E & J MARKET (FORMER) Global Id: T0606700518: Status: Completed - Case Closed: Status: Case Closed:	8706 STOCKTON	NNE 1/8 - 1/4 (0.146 mi.)	E13	54
CENTURY EQUIPMENT Global Id: T0606700972: Status: Completed - Case Closed: Status: Case Closed:	8821 STOCKTON	E 1/4 - 1/2 (0.353 mi.)	H25	128

Sacramento Co. CS: List of sites where unauthorized releases of potentially hazardous materials have occurred.

An online review and analysis by CARDNO, INC. of the Sacramento Co. CS list, as provided by EDR, has revealed that there are 3 Sacramento Co. CS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
E & J MARKET Date Closed: 02/09/1996: Facility Id: RO0001086:	8706 W STOCKTON BLVD	N 0 - 1/8 (0.018 mi.)	A1	9
STOCKMEN SUPPLY CO Date Closed: 07/26/2000: Facility Id: RO0001087:	8821 E STOCKTON BLVD	E 1/4 - 1/2 (0.353 mi.)	H26	130
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KALWANI PROPERTY Date Closed: : Facility Id: RO0001057:	8151 SHELDON ROAD	WSW 0 - 1/8 (0.096 mi.)	B5	11

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

An online review and analysis by CARDNO, INC. of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELDON ROAD CHEVRON Facility Id: FA0013787:	8100 SHELDON ROAD	WSW 1/8 - 1/4 (0.194 mi.)	F15	57

State and tribal voluntary cleanup sites

VCP: 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.

An online review and analysis by CARDNO, INC. of the VCP list, as provided by EDR, has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KALWANI PROPERTY Facility Id: 34880001: Status: No Further Action:	8151 SHELDON ROAD	WSW 0 - 1/8 (0.096 mi.)	B5	11

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

An online review and analysis by CARDNO, INC. of the SWRCY list, as provided by EDR, has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOLLAR TREE #03447 Cert Id: RC251573.001:	8126 SHELDON RD	SW 1/8 - 1/4 (0.195 mi.)	G22	95

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

An online review and analysis by CARDNO, INC. of the CERS HAZ WASTE list, as provided by EDR, has revealed that there are 3 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELDON ROAD CHEVRON	8100 SHELDON ROAD	WSW 1/8 - 1/4 (0.194 mi.)	F19	76
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WINCO FOODS #37	8142 SHELDON RD	SW 0 - 1/8 (0.105 mi.)	B8	17

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOLLAR TREE #03447	8126 SHELDON RD	SW 1/8 - 1/4 (0.195 mi.)	G22	95

Local Lists of Registered Storage Tanks

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

An online review and analysis by CARDNO, INC. of the CERS TANKS list, as provided by EDR, has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
7-ELEVEN INC #41227	8100 SHELDON ROAD	WSW 1/8 - 1/4 (0.194 mi.)	F16	57

Other Ascertainable Records

RCRA NonGen / NLR: 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.

An online review and analysis by CARDNO, INC. of the RCRA NonGen / NLR list, as provided by EDR, has revealed that there are 5 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
7 ELEVEN 41227 EPA ID:: CAL000451362:	8100 SHELDON RD	WSW 1/8 - 1/4 (0.194 mi.)	F17	74
SHELDON RD CHEVRON EPA ID:: CAL000264203:	8100 SHELDON RD	WSW 1/8 - 1/4 (0.194 mi.)	F20	93

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WINCO FOODS #37 EPA ID:: CAL000341617:	8142 SHELDON RD	SW 0 - 1/8 (0.105 mi.)	B9	51
JE EXPRESS EPA ID:: CAR000301937:	6 DONSON CT	W 1/8 - 1/4 (0.127 mi.)	D12	53
DOLLAR TREE #03447 EPA ID:: CAL000390933:	8126 SHELDON RD	SW 1/8 - 1/4 (0.195 mi.)	G23	123

EXECUTIVE SUMMARY

Cortese: 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).

An online review and analysis by CARDNO, INC. of the Cortese list, as provided by EDR, has revealed that there are 2 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
E & J MARKET (FORMER) Cleanup Status: COMPLETED - CASE CLOSED: Envirostor Id: :	8706 STOCKTON	NNE 1/8 - 1/4 (0.146 mi.)	E13	54
CENTURY EQUIPMENT Cleanup Status: COMPLETED - CASE CLOSED: Envirostor Id: :	8821 STOCKTON	E 1/4 - 1/2 (0.353 mi.)	H25	128

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.

An online review and analysis by CARDNO, INC. of the DRYCLEANERS list, as provided by EDR, has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FRESH CLEANERS SHEL EPA Id: CAL000317867: EPA Id: CAL000355847:	8112 SHELDON RD STE	SW 1/8 - 1/4 (0.235 mi.)	G24	125

HIST CORTESE: 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]. This listing is no longer updated by the state agency.

An online review and analysis by CARDNO, INC. of the HIST CORTESE list, as provided by EDR, has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
E & J MARKET (FORMER) Reg Id: 340609:	8706 STOCKTON	NNE 1/8 - 1/4 (0.146 mi.)	E13	54
CENTURY EQUIPMENT Reg Id: 341147:	8821 STOCKTON	E 1/4 - 1/2 (0.353 mi.)	H25	128

HWT: 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.

An online review and analysis by CARDNO, INC. of the HWT list, as provided by EDR, has revealed that there is 1 HWT site within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JE EXPRESS Reg Num: 6789:	6 DONSON COURT	W 1/8 - 1/4 (0.127 mi.)	D11	52

Sacramento Co. ML: Sacramento County Master List. Any business that has hazardous materials on site - hazardous materials storage sites, underground storage tanks, waste generators.

An online review and analysis by CARDNO, INC. of the Sacramento Co. ML list, as provided by EDR, has revealed that there are 10 Sacramento Co. ML sites within approximately 0.25 miles of the target property.

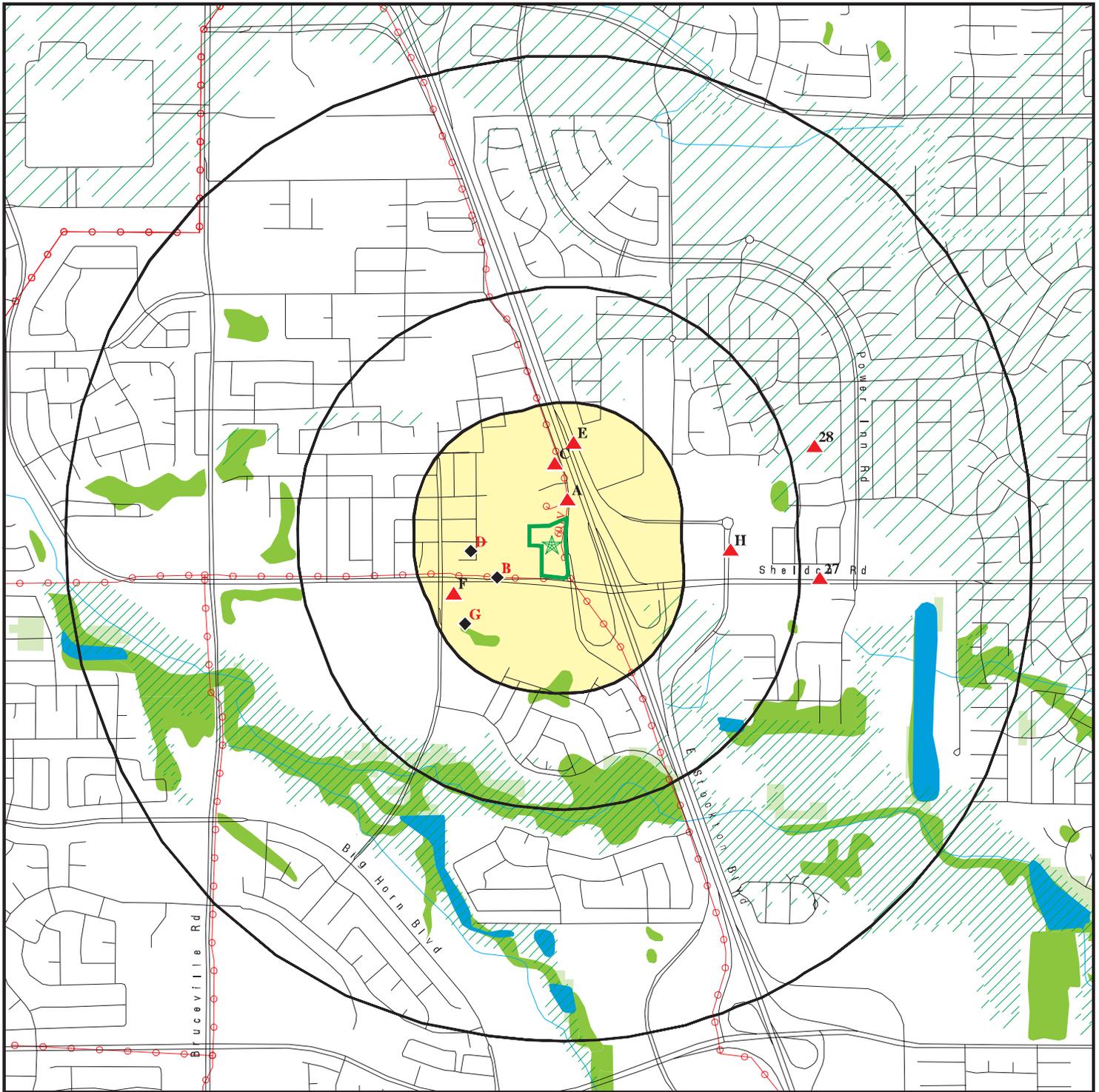
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROUTE 99 LIQUOR Facility Id: : Facility Status::	8700 W STOCKTON BLVD	NNE 0 - 1/8 (0.020 mi.)	A2	9
ARJ MARKET Facility Id: : Facility Status::	8700 W STOCKTON BLVD	NNE 0 - 1/8 (0.020 mi.)	A3	10
SKM MARKET Facility Id: : Facility Status::	8696 W STOCKTON BLVD	NNE 0 - 1/8 (0.040 mi.)	A4	10
VERIZON WIRELESS LAG Facility Id: : Facility Status::	8680 W STOCKTON BLVD	N 0 - 1/8 (0.097 mi.)	C6	14
ELK GROVE CYCLE CENT Facility Id: : Facility Status::	8672 W STOCKTON BLVD	N 0 - 1/8 (0.121 mi.)	C10	52
E & J'S MARKET Facility Id: : Facility Status: Inactive. Included on a listing no longer updated.:	8700 STOCKTON BL	NNE 1/8 - 1/4 (0.164 mi.)	E14	56
SHELDON ROAD CHEVRON Facility Id: : Facility Status::	8100 SHELDON RD	WSW 1/8 - 1/4 (0.194 mi.)	F18	76

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WINCO FOODS INC #37 Facility Id: : Facility Status::	8142 SHELDON RD	SW 0 - 1/8 (0.105 mi.)	B7	14
DOLLAR TREE # 03447 Facility Id: : Facility Status::	8126 SHELDON RD	SW 1/8 - 1/4 (0.195 mi.)	G21	94
FRESH CLEANERS SHELD Facility Id: : Facility Status: :	8112 SHELDON RD STE	SW 1/8 - 1/4 (0.235 mi.)	G24	125

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6119619.2S



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

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

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.

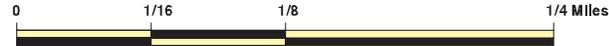
SITE NAME: Maverik - Elk Grove, CA
 ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
 Elk Grove CA 95758
 LAT/LONG: 38.439113 / 121.404238

CLIENT: Cardno, Inc.
 CONTACT: Alisha Strong
 INQUIRY #: 6119619.2s
 DATE: July 14, 2020 11:40 pm

DETAIL MAP - 6119619.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  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: Maverik - Elk Grove, CA
 ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
 Elk Grove CA 95758
 LAT/LONG: 38.439113 / 121.404238

CLIENT: Cardno, Inc.
 CONTACT: Alisha Strong
 INQUIRY #: 6119619.2s
 DATE: July 14, 2020 11:41 pm

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								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		1	0	0	2	NR	3
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	1	1	NR	NR	2

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
CPS-SLIC	0.500		0	0	0	NR	NR	0
Sacramento Co. CS	0.500		2	0	1	NR	NR	3
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
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								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		1	0	0	NR	NR	1
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	1	0	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	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								
US HIST CDL	TP		NR	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	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		1	2	NR	NR	NR	3
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	1	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	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
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	4	NR	NR	NR	5
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	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
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	1	1	NR	NR	2
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
-----------------	--	----------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A1
North
< 1/8
0.018 mi.
94 ft.

E & J MARKET
8706 W STOCKTON BLVD
ELK GROVE, CA

Sacramento Co. CS

S101300682
N/A

Site 1 of 4 in cluster A

Relative:
Higher

Sacramento Co. CS:

Actual:
32 ft.

Name: E & J MARKET
Address: 8706 W STOCKTON BLVD
City,State,Zip: ELK GROVE, CA
State Site Number: A561
Lead Staff: Williams, S.
Lead Agency: HM
Remedial Action Taken: YE, S
Substance: Automotive(motor gasoline and additives)
Date Reported: 06/04/1990
Facility Id: RO0001086
Case Type: Soil only
Case Closed: Y
Date Closed: 02/09/1996
Case Type: Soil only affected
Substance: Automotive(motor gasoline and additives)

A2
NNE
< 1/8
0.020 mi.
104 ft.

ROUTE 99 LIQUOR
8700 W STOCKTON BLVD
ELK GROVE, CA 95758

Sacramento Co. ML

S123293890
N/A

Site 2 of 4 in cluster A

Relative:
Higher

Sacramento Co. ML:

Actual:
32 ft.

Name: ROUTE 99 LIQUOR
Address: 8700 W STOCKTON BLVD
City,State,Zip: ELK GROVE, CA 95758
Facility Id: Not reported
Facility Status: Not reported
FD: Not reported
Billing Codes BP: I
Billing Codes UST: Not reported
WG Bill Code: Not reported
Target Property Bill Cod: Not reported
Food Bill Code: Not reported
CUPA Permit Date: Not reported
HAZMAT Permit Date: Not reported
HAZMAT Inspection Date: Not reported
Hazmat Date BP Received: Not reported
UST Permit Dt: Not reported
UST Inspection Date: Not reported
UST Tank Test Date: Not reported
Number of Tanks: Not reported
UST Tank Test Date: Not reported
SIC Code: Not reported
Tier Permitting: Not reported
AST Bill Code: Not reported
CALARP Bill Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
NNE
< 1/8
0.020 mi.
104 ft.

ARJ MARKET
8700 W STOCKTON BLVD
ELK GROVE, CA 95758

Sacramento Co. ML

S123289128
N/A

Relative:
Higher
Actual:
32 ft.

Sacramento Co. ML:
Name: ARJ MARKET
Address: 8700 W STOCKTON BLVD
City,State,Zip: ELK GROVE, CA 95758
Facility Id: Not reported
Facility Status: Not reported
FD: Not reported
Billing Codes BP: I
Billing Codes UST: Not reported
WG Bill Code: Not reported
Target Property Bill Cod: Not reported
Food Bill Code: Not reported
CUPA Permit Date: Not reported
HAZMAT Permit Date: Not reported
HAZMAT Inspection Date: Not reported
Hazmat Date BP Received: Not reported
UST Permit Dt: Not reported
UST Inspection Date: Not reported
UST Tank Test Date: Not reported
Number of Tanks: Not reported
UST Tank Test Date: Not reported
SIC Code: Not reported
Tier Permitting: Not reported
AST Bill Code: Not reported
CALARP Bill Code: Not reported

A4
NNE
< 1/8
0.040 mi.
213 ft.

SKM MARKET
8696 W STOCKTON BLVD
ELK GROVE, CA 95758

Sacramento Co. ML

S103708255
N/A

Relative:
Higher
Actual:
32 ft.

Sacramento Co. ML:
Name: SKM MARKET
Address: 8696 W STOCKTON BLVD
City,State,Zip: ELK GROVE, CA 95758
Facility Id: Not reported
Facility Status: Not reported
FD: Not reported
Billing Codes BP: I
Billing Codes UST: Not reported
WG Bill Code: Not reported
Target Property Bill Cod: Not reported
Food Bill Code: Not reported
CUPA Permit Date: Not reported
HAZMAT Permit Date: Not reported
HAZMAT Inspection Date: Not reported
Hazmat Date BP Received: Not reported
UST Permit Dt: Not reported
UST Inspection Date: Not reported
UST Tank Test Date: Not reported
Number of Tanks: Not reported
UST Tank Test Date: Not reported
SIC Code: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SKM MARKET (Continued)

S103708255

Tier Permitting: Not reported
 AST Bill Code: Not reported
 CALARP Bill Code: Not reported

B5
WSW
 < 1/8
 0.096 mi.
 505 ft.

KALWANI PROPERTY
8151 SHELDON ROAD
ELK GROVE, CA 95758

Sacramento Co. CS
ENVIROSTOR
VCP

S102432113
N/A

Site 1 of 4 in cluster B

Relative:
Lower
Actual:
29 ft.

ENVIROSTOR:
 Name: KALWANI PROPERTY
 Address: 8151 SHELDON ROAD
 City,State,Zip: ELK GROVE, CA 95758
 Facility ID: 34880001
 Status: No Further Action
 Status Date: 12/31/1997
 Site Code: 100949
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 1.4
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: William Beckman
 Division Branch: Cleanup Sacramento
 Assembly: 09
 Senate: 06
 Special Program: Voluntary Cleanup Program
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 38.43953
 Longitude: -121.4063
 APN: NONE SPECIFIED
 Past Use: UNKNOWN
 Potential COC: TPH-MOTOR OIL
 Confirmed COC: TPH-MOTOR OIL
 Potential Description: SOIL
 Alias Name: KALWANI PROPERTY
 Alias Type: Alternate Name
 Alias Name: 110033607201
 Alias Type: EPA (FRS #)
 Alias Name: 100949
 Alias Type: Project Code (Site Code)
 Alias Name: 34880001
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Consultation
 Completed Date: 12/31/1997
 Comments: VCONS -- DTSC entered into a VCA with a property owner to review documentation of a cleanup performed with Sacramento County oversight. DTSC provided NFA concurrence after reviewing the documentation.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KALWANI PROPERTY (Continued)

S102432113

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/22/1997
Comments: VCA -- DTSC entered into a Voluntary Cleanup Agreement with a property owner to review documentation of a cleanup performed with Sacramento County oversight. DTSC will provide comments on the cleanup.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Voluntary Cleanup Agreement Completion
Completed Date: 01/06/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/31/1997
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Sacramento Co. CS:

Name: KALWANI PROPERTY
Address: 8151 SHELDON RD
City,State,Zip: ELK GROVE, CA
State Site Number: B371
Lead Staff: Erikson, S.
Lead Agency: HM
Remedial Action Taken: YE, S
Substance: Waste Oil
Date Reported: 06/14/1996
Facility Id: RO0001057
Case Type: Soil only
Case Closed: Y
Date Closed: Not reported
Case Type: Soil only affected
Substance: Waste Oil

VCP:

Name: KALWANI PROPERTY
Address: 8151 SHELDON ROAD
City,State,Zip: ELK GROVE, CA 95758
Facility ID: 34880001
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KALWANI PROPERTY (Continued)

S102432113

Acres: 1.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: William Beckman
Division Branch: Cleanup Sacramento
Site Code: 100949
Assembly: 09
Senate: 06
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 12/31/1997
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 38.43953 / -121.4063
APN: NONE SPECIFIED
Past Use: UNKNOWN
Potential COC: 3002502
Confirmed COC: 3002502
Potential Description: SOIL
Alias Name: KALWANI PROPERTY
Alias Type: Alternate Name
Alias Name: 110033607201
Alias Type: EPA (FRS #)
Alias Name: 100949
Alias Type: Project Code (Site Code)
Alias Name: 34880001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 12/31/1997
Comments: VCONS -- DTSC entered into a VCA with a property owner to review documentation of a cleanup performed with Sacramento County oversight. DTSC provided NFA concurrence after reviewing the documentation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/22/1997
Comments: VCA -- DTSC entered into a Voluntary Cleanup Agreement with a property owner to review documentation of a cleanup performed with Sacramento County oversight. DTSC will provide comments on the cleanup.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Voluntary Cleanup Agreement Completion
Completed Date: 01/06/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KALWANI PROPERTY (Continued)

S102432113

Completed Document Type: Correspondence
 Completed Date: 12/31/1997
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

C6
North
< 1/8
0.097 mi.
512 ft.

VERIZON WIRELESS LAGUNA VILLAGE
8680 W STOCKTON BLVD
ELK GROVE, CA 95758

Sacramento Co. ML S110121947
N/A

Site 1 of 2 in cluster C

Relative:
Higher
Actual:
32 ft.

Sacramento Co. ML:
 Name: VERIZON WIRELESS LAGUNA VILLAGE
 Address: 8680 W STOCKTON BLVD
 City,State,Zip: ELK GROVE, CA 95758
 Facility Id: Not reported
 Facility Status: Not reported
 FD: Not reported
 Billing Codes BP: I
 Billing Codes UST: Not reported
 WG Bill Code: Not reported
 Target Property Bill Cod: Not reported
 Food Bill Code: Not reported
 CUPA Permit Date: Not reported
 HAZMAT Permit Date: Not reported
 HAZMAT Inspection Date: Not reported
 Hazmat Date BP Received: Not reported
 UST Permit Dt: Not reported
 UST Inspection Date: Not reported
 UST Tank Test Date: Not reported
 Number of Tanks: Not reported
 UST Tank Test Date: Not reported
 SIC Code: Not reported
 Tier Permitting: Not reported
 AST Bill Code: Not reported
 CALARP Bill Code: Not reported

B7
SW
< 1/8
0.105 mi.
553 ft.

WINCO FOODS INC #37
8142 SHELDON RD
ELK GROVE, CA 95758

HAZNET S112960584
HWTS N/A
Sacramento Co. ML

Site 2 of 4 in cluster B

Relative:
Lower
Actual:
28 ft.

HAZNET:
 Name: WINCO FOODS INC #37
 Address: 8142 SHELDON RD
 Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS INC #37 (Continued)

S112960584

City,State,Zip: ELK GROVE, CA 95758
Contact: LUKE MAHONEY
Telephone: 9169963015
Mailing Name: Not reported
Mailing Address: 3835 ATHERTON RD STE 1

Year: 2007
Gepaid: CAC002615316
TSD EPA ID: CAD982444481
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.7

Year: 2007
Gepaid: CAC002615316
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Tons: 0.075

Additional Info:

Year: 2007
Gen EPA ID: CAC002615316

Shipment Date: 20070503
Creation Date: 10/11/2007 18:30:06
Receipt Date: 20070514
Manifest ID: 001869527JJK
Trans EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSD Alt EPA ID: Not reported
TSD Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect

Quantity Tons: 0.075
Waste Quantity: 150
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20070503
Creation Date: 10/11/2007 18:30:06
Receipt Date: 20070514
Manifest ID: 001869527JJK
Trans EPA ID: CAD982444481

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS INC #37 (Continued)

S112960584

Trans Name: FILTER RECYCLING SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 1.7
Waste Quantity: 500
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Sacramento Co. ML:

Name: WINCO FOODS #37
Address: 8142 SHELDON RD
City,State,Zip: ELK GROVE, CA 95758
Facility Id: Not reported
Facility Status: Not reported
FD: Not reported
Billing Codes BP: A
Billing Codes UST: Not reported
WG Bill Code: A
Target Property Bill Cod: Not reported
Food Bill Code: Not reported
CUPA Permit Date: Not reported
HAZMAT Permit Date: Not reported
HAZMAT Inspection Date: Not reported
Hazmat Date BP Received: Not reported
UST Permit Dt: Not reported
UST Inspection Date: Not reported
UST Tank Test Date: Not reported
Number of Tanks: Not reported
UST Tank Test Date: Not reported
SIC Code: Not reported
Tier Permitting: Not reported
AST Bill Code: Not reported
CALARP Bill Code: Not reported

HWTS:

Name: WINCO FOODS INC #37
Address: 8142 SHELDON RD
Address 2: Not reported
City,State,Zip: ELK GROVE, CA 95758
EPA ID: CAC002615316
Inactive Date: 10/07/2007
Create Date: 04/09/2007
Last Act Date: 04/09/2007
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS INC #37 (Continued)

S112960584

Mailing Address: 3835 ATHERTON RD STE 1
Mailing Address 2: Not reported
Mailing City,State,Zip: ROCKLIN, CA 95765
Owner Name: WINCO FOODS INC
Owner Address: 3835 ATHERTON RD STE 1
Owner Address 2: Not reported
Owner City,State,Zip: ROCKLIN, CA 95765
Contact Name: LUKE MAHONEY
Contact Address: 3835 ATHERTON RD STE 1
Contact Address 2: Not reported
City,State,Zip: ROCKLIN, CA 95765

**B8
SW
< 1/8
0.105 mi.
553 ft.**

**WINCO FOODS #37
8142 SHELDON RD
ELK GROVE, CA 95758**

Site 3 of 4 in cluster B

**CERS
CERS HAZ WASTE
HAZNET
HWTS**

**S113798179
N/A**

**Relative:
Lower**

CERS HAZ WASTE:

Name: WINCO FOODS #37
Address: 8142 SHELDON RD
City,State,Zip: ELK GROVE, CA 95758
Site ID: 86301
CERS ID: 10413262
CERS Description: Hazardous Waste Generator

**Actual:
28 ft.**

HAZNET:

Name: WINCO FOODS #37
Address: 8142 SHELDON RD
Address 2: Not reported
City,State,Zip: ELK GROVE, CA 837040825
Contact: DALE PATTON
Telephone: 2086722440
Mailing Name: Not reported
Mailing Address: 650 N ARMSTRONG PL

Year: 2019
Gepaid: CAL000341617
TSD EPA ID: OKD000402396
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H110 -
Tons: 0.05750

Year: 2019
Gepaid: CAL000341617
TSD EPA ID: IDD073114654
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H110 -
Tons: 0.00900

Year: 2019
Gepaid: CAL000341617
TSD EPA ID: OKD000402396
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.51250

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Year: 2019
Gepaid: CAL000341617
TSD EPA ID: IDD073114654
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02650

Year: 2019
Gepaid: CAL000341617
TSD EPA ID: OKD000402396
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H110 -
Tons: 0.01600

Year: 2019
Gepaid: CAL000341617
TSD EPA ID: IDD073114654
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.19350

Year: 2019
Gepaid: CAL000341617
TSD EPA ID: IDD073114654
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H110 -
Tons: 0.00200

Year: 2019
Gepaid: CAL000341617
TSD EPA ID: IDD073114654
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.17550

Year: 2019
Gepaid: CAL000341617
TSD EPA ID: OKD000402396
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H110 -
Tons: 0.01950

Year: 2019
Gepaid: CAL000341617
TSD EPA ID: IDD073114654
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.24300

Additional Info:
Year: 2013
Gen EPA ID: CAL000341617

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Shipment Date: 20131217
Creation Date: 5/20/2014 22:14:51
Receipt Date: 20131227
Manifest ID: 000659873PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.063
Waste Quantity: 126
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131217
Creation Date: 5/20/2014 22:14:51
Receipt Date: 20131227
Manifest ID: 000659873PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.034
Waste Quantity: 68
Quantity Unit: P
Additional Code 1: D018
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131217
Creation Date: 5/20/2014 22:14:51
Receipt Date: 20131227
Manifest ID: 000659873PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D016
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0425
Waste Quantity: 85
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131217
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000659873PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131217
Creation Date: 5/20/2014 22:14:51
Receipt Date: 20131227
Manifest ID: 000659873PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 792 - Not reported
RCRA Code: D007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Disposal Method: H121 - Neutralization Only
Quantity Tons: 0.009
Waste Quantity: 18
Quantity Unit: P
Additional Code 1: D002
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131217
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000659873PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Disposal Method: H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons: 0.002
Waste Quantity: 4
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: D006
Additional Code 3: D005
Additional Code 4: D001
Additional Code 5: Not reported

Shipment Date: 20131217
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000659873PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5)
RCRA Code: D002
Disposal Method: H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons: 0.019
Waste Quantity: 38
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Shipment Date: 20131217
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000659873PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Disposal Method: H121 - Neutralization Only
Quantity Tons: 0.0135
Waste Quantity: 27
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131217
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000659873PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.165
Waste Quantity: 330
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131016
Creation Date: 3/21/2014 22:15:03
Receipt Date: 20131028
Manifest ID: 000622720PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: NVD980895338
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.049
Waste Quantity: 98
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2016
Gen EPA ID: CAL000341617

Shipment Date: 20151208
Creation Date: 3/2/2016 22:15:14
Receipt Date: 20151209
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: D009
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0035
Waste Quantity: 7
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151208
Creation Date: 3/2/2016 22:15:14
Receipt Date: 20151209
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D016
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0145
Waste Quantity: 29
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151208
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.06
Waste Quantity: 120
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151208
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D018
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.063
Waste Quantity: 126

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151208
Creation Date: 3/2/2016 22:15:14
Receipt Date: 20151209
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0985
Waste Quantity: 197
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151208
Creation Date: 3/2/2016 22:15:14
Receipt Date: 20151209
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0035
Waste Quantity: 7
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: D006
Additional Code 3: D005
Additional Code 4: D001
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Shipment Date: 20151001
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 001117497PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D016
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.021
Waste Quantity: 42
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151001
Creation Date: 11/17/2015 22:15:24
Receipt Date: 20151001
Manifest ID: 001117497PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0075
Waste Quantity: 15
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151001
Creation Date: 11/17/2015 22:15:24
Receipt Date: 20151001
Manifest ID: 001117497PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0895
Waste Quantity: 179
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151001
Creation Date: 11/17/2015 22:15:24
Receipt Date: 20151001
Manifest ID: 001117497PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.026
Waste Quantity: 52
Quantity Unit: P
Additional Code 1: D018
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2014
Gen EPA ID: CAL000341617

Shipment Date: 20141223
Creation Date: 6/25/2015 22:15:19
Receipt Date: 20150112
Manifest ID: 000913521PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0585
Waste Quantity: 117
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141223
Creation Date: 6/25/2015 22:15:19
Receipt Date: 20150112
Manifest ID: 000913521PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.1185
Waste Quantity: 237
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141223
Creation Date: 6/25/2015 22:15:19
Receipt Date: 20150112
Manifest ID: 000913521PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Waste Quantity: 14
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141030
Creation Date: 6/25/2015 22:15:29
Receipt Date: 20141106
Manifest ID: 000878634PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: NVD980895338
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.23
Waste Quantity: 460
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141030
Creation Date: 6/25/2015 22:15:29
Receipt Date: 20141106
Manifest ID: 000878634PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: NVD980895338
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0665
Waste Quantity: 133
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Shipment Date: 20140821
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000102257DAT
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: NVD980895338
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf EPA ID: NVD980895338
TSDf Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Disposal Method: H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons: 0.003
Waste Quantity: 6
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140821
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000102257DAT
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: NVD980895338
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf EPA ID: NVD980895338
TSDf Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.121
Waste Quantity: 242
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140821
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000102257DAT
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: NVD980895338
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 792 - Not reported
RCRA Code: D007
Disposal Method: H121 - Neutralization Only
Quantity Tons: 0.002
Waste Quantity: 4
Quantity Unit: P
Additional Code 1: D002
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140821
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000102257DAT
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: NVD980895338
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.121
Waste Quantity: 242
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140821
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000102257DAT
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: NVD980895338
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5)
RCRA Code: D002
Disposal Method: H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons: 0.003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Waste Quantity: 6
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2012
Gen EPA ID: CAL000341617

Shipment Date: 20121231
Creation Date: 7/22/2013 11:14:17
Receipt Date: 20130125
Manifest ID: 000432492PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRON SERV
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: *** - Not reported
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0025
Waste Quantity: 5
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121231
Creation Date: 7/22/2013 11:14:17
Receipt Date: 20130125
Manifest ID: 000432492PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRON SERV
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Disposal Method: H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: D006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Additional Code 3: D005
Additional Code 4: D001
Additional Code 5: Not reported

Shipment Date: 20121231
Creation Date: 7/22/2013 11:14:17
Receipt Date: 20130125
Manifest ID: 000432492PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRON SERV
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Disposal Method: H071 - Chemical Reduction With Or Without Precipitation
Quantity Tons: 0.0225
Waste Quantity: 45
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121231
Creation Date: 7/22/2013 11:14:17
Receipt Date: 20130125
Manifest ID: 000432492PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRON SERV
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0265
Waste Quantity: 53
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121231
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000432492PSC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRON SERV
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.094
Waste Quantity: 188
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121231
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000432492PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRON SERV
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.072
Waste Quantity: 144
Quantity Unit: P
Additional Code 1: D018
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121231
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000432492PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRON SERV
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D016
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.035
Waste Quantity: 70
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121010
Creation Date: 1/12/2013 22:15:35
Receipt Date: 20121102
Manifest ID: 000387780PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIORNMENTAL SVCS
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: Not reported
Waste Quantity: Not reported
Quantity Unit: Not reported
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121010
Creation Date: 1/12/2013 22:15:35
Receipt Date: 20121102
Manifest ID: 000387780PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIORNMENTAL SVCS
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: D016
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0205
Waste Quantity: 41

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121010
Creation Date: 1/12/2013 22:15:35
Receipt Date: 20121102
Manifest ID: 000387780PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIORNMENTAL SVCS
TSDf EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0145
Waste Quantity: 29
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2017
Gen EPA ID: CAL000341617

Shipment Date: 20171215
Creation Date: 11/5/2018 18:33:28
Receipt Date: 20180104
Manifest ID: 001723417PSC
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Disposal Method: H070 - Not reported

Quantity Tons: 0.037
Waste Quantity: 74
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171215
Creation Date:	11/5/2018 18:33:28
Receipt Date:	20180104
Manifest ID:	001723417PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H121 - Neutralization Only
Quantity Tons:	0.0745
Waste Quantity:	149
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171215
Creation Date:	11/5/2018 18:33:28
Receipt Date:	20180104
Manifest ID:	001723417PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D016
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.044
Waste Quantity:	88
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171215
Creation Date:	11/5/2018 18:33:28
Receipt Date:	20180104
Manifest ID:	001723417PSC
Trans EPA ID:	MNS000110924

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0215
Waste Quantity: 43
Quantity Unit: P
Additional Code 1: D018
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171215
Creation Date: 10/16/2018 18:30:53
Receipt Date: 20171222
Manifest ID: 001723412PSC
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.058
Waste Quantity: 116
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171016
Creation Date: 7/24/2018 18:30:51
Receipt Date: 20171110
Manifest ID: 001683286PSC
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Disposal Method: H121 - Neutralization Only
Quantity Tons: 0.035
Waste Quantity: 70
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171016
Creation Date: 7/24/2018 18:30:51
Receipt Date: 20171110
Manifest ID: 001683286PSC
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D016
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.07
Waste Quantity: 140
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171016
Creation Date: 7/24/2018 18:30:51
Receipt Date: 20171110
Manifest ID: 001683286PSC
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0835
Waste Quantity: 167
Quantity Unit: P
Additional Code 1: D018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171016
Creation Date: 7/24/2018 18:30:51
Receipt Date: 20171110
Manifest ID: 001683286PSC
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0225
Waste Quantity: 45
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171016
Creation Date: 6/13/2018 18:30:46
Receipt Date: 20171016
Manifest ID: 001683283PSC
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.1845
Waste Quantity: 369
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Gen EPA ID: CAL000341617

Shipment Date: 20151208
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D018
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.063
Waste Quantity: 126
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151208
Creation Date: 3/2/2016 22:15:14
Receipt Date: 20151209
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D016
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0145
Waste Quantity: 29
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151208
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.06
Waste Quantity: 120
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151208
Creation Date: 3/2/2016 22:15:14
Receipt Date: 20151209
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0985
Waste Quantity: 197
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151208
Creation Date: 3/2/2016 22:15:14
Receipt Date: 20151209
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0035
Waste Quantity: 7
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: D006
Additional Code 3: D005
Additional Code 4: D001
Additional Code 5: Not reported

Shipment Date: 20151208
Creation Date: 3/2/2016 22:15:14
Receipt Date: 20151209
Manifest ID: 001153246PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: D009
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0035
Waste Quantity: 7
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151001
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 001117497PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D016
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.021
Waste Quantity: 42
Quantity Unit: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151001
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 001117497PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: D006
Additional Code 3: D005
Additional Code 4: D001
Additional Code 5: Not reported

Shipment Date: 20151001
Creation Date: 11/17/2015 22:15:24
Receipt Date: 20151001
Manifest ID: 001117497PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.031
Waste Quantity: 62
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Creation Date: 11/17/2015 22:15:24
Receipt Date: 20151001
Manifest ID: 001117497PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.026
Waste Quantity: 52
Quantity Unit: P
Additional Code 1: D018
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: WINCO FOODS #37
Address: 8142 SHELDON RD
City,State,Zip: ELK GROVE, CA 95758
Site ID: 86301
CERS ID: 10413262
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 86301
Site Name: WinCo Foods #37
Violation Date: 03-25-2014
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description: Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes: Returned to compliance on 07/10/2014. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for Deo Zyme to this department. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in this department's e-Reporting Portal or in the California Environmental Reporting System. OBSERVATION: Hazardous Materials Inventory Chemical Description pages for Corrosive Liquid (basic) and Aerosols don't accurately identify largest container (55 gallons). CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in this department's e-Reporting Portal or in the California Environmental Reporting System. NOTE: Store procedure requires that hazardous waste streams that exceed the capacity of the 5 gallon waste containers be transferred to 55 gallon containers. Hazardous Material Inventory forms [Truncated]
Violation Division: Sacramento County Env Management Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Violation Program: HMRRP
Violation Source: CERS

Site ID: 86301
Site Name: WinCo Foods #37
Violation Date: 06-08-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/10/2016. OBSERVATION: The required HMBP components are not readily available to business personnel. CORRECTIVE ACTION: Submit a statement to this department documenting that a copy of the required HMBP components are readily available to business personnel.

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 86301
Site Name: WinCo Foods #37
Violation Date: 03-25-2014
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)

Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 06/24/2014. OBSERVATION: The annotated site map submitted to this department does not accurately identify the location of the hazardous waste storage area. CORRECTIVE ACTION: Revise the annotated Site Map to include all required content and submit electronically in this department's e-Reporting Portal or in the California Environmental Reporting System.

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 86301
Site Name: WinCo Foods #37
Violation Date: 01-29-2019
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)

Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 01/31/2019. OBSERVATION: Employees are not thoroughly familiar with proper waste handling and emergency procedures as demonstrated by the number and type of hazardous waste violations observed at the time of inspection. CORRECTIVE ACTION: Submit documentation to this department demonstrating that employees have been properly trained.

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 86301
Site Name: WinCo Foods #37
Violation Date: 01-29-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 01/31/2019. OBSERVATION: The flammable, corrosive (basic), corrosive (acidic), oxidizer, and aerosol containers of hazardous waste located in the hazardous waste accumulation area were observed without hazardous waste labels. CORRECTIVE ACTION: Submit photos to this department demonstrating that the containers listed above have been properly labeled.

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-08-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations observed today
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-08-2016
Violations Found: No
Eval Type: Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Eval Notes: No violations observed today.
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:

Site ID: 86301
Site Name: WinCo Foods #37
Site Address: 8142 SHELDON RD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-08-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 86301
Site Name: WinCo Foods #37
Site Address: 8142 SHELDON RD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-30-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:

Site ID: 86301
Facility Name: WinCo Foods #37
Env Int Type Code: HWG
Program ID: 10413262
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.436450
Longitude: -121.406690

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Sacramento County Environmental Management Departm
Entity Title: Not reported
Affiliation Address: 10590 Armstrong Avenue, Suite A
Affiliation City: Sacramento
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95655
Affiliation Phone: (916) 875-8550

Affiliation Type Desc: Document Preparer
Entity Name: Dale Patton
Entity Title: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Dale Patton
Entity Title: Not reported
Affiliation Address: 650 N. Armstrong Place
Affiliation City: Boise
Affiliation State: ID
Affiliation Country: Not reported
Affiliation Zip: 83704
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 8142 Sheldon Road
Affiliation City: Elk Grove
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95758
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Dale Patton
Entity Title: Director of Environmental Compliance
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: WinCo Foods LLC
Entity Title: Not reported
Affiliation Address: 650 N. Armstrong Place
Affiliation City: Boise
Affiliation State: ID
Affiliation Country: United States
Affiliation Zip: 83704
Affiliation Phone: (208) 377-0110

Affiliation Type Desc: Parent Corporation
Entity Name: WinCo Foods LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINCO FOODS #37 (Continued)

S113798179

Affiliation Type Desc: Operator
Entity Name: WinCo Foods #57
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (916) 681-6400

Affiliation Type Desc: Property Owner
Entity Name: WinCo Foods LLC
Entity Title: Not reported
Affiliation Address: 650 N. Armstrong Place
Affiliation City: Boise
Affiliation State: ID
Affiliation Country: United States
Affiliation Zip: 83704
Affiliation Phone: (208) 343-0110

HWTS:

Name: WINCO FOODS #37
Address: 8142 SHELDON RD
Address 2: Not reported
City,State,Zip: ELK GROVE, CA 957585963
EPA ID: CAL000341617
Inactive Date: Not reported
Create Date: 03/23/2009
Last Act Date: 12/18/2019
Mailing Name: Not reported
Mailing Address: 650 N ARMSTRONG PL
Mailing Address 2: Not reported
Mailing City,State,Zip: BOISE, ID 837040825
Owner Name: WINCO FOODS LLC
Owner Address: 650 N ARMSTRONG PL
Owner Address 2: Not reported
Owner City,State,Zip: BOISE, ID 837040825
Contact Name: DALE PATTON
Contact Address: PO BOX 5756
Contact Address 2: Not reported
City,State,Zip: BOISE, ID 83705

NAICS:

EPA ID: CAL000341617
Create Date: 2009-03-23 11:37:35
NAICS Code: 45291
NAICS Description: Warehouse Clubs and Superstores
Issued EPA ID Date: 2009-03-23 11:37:35
Inactive Date: Not reported
Facility Name: WINCO FOODS #37
Facility Address: 8142 SHELDON RD
Facility Address 2: Not reported
Facility City: ELK GROVE
Facility County: 34
Facility State: CA
Facility Zip: 957585963

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B9
SW
< 1/8
0.105 mi.
553 ft.

WINCO FOODS #37
8142 SHELDON RD
ELK GROVE, CA 95758
Site 4 of 4 in cluster B

RCRA NonGen / NLR **1024822757**
N/A

Relative:
Lower

RCRA NonGen / NLR:

Actual:
28 ft.

Date form received by agency: 2009-03-23 00:00:00.0
Facility name: WINCO FOODS #37
Facility address: 8142 SHELDON RD
ELK GROVE, CA 95758-5963
EPA ID: CAL000341617
Mailing address: 650 N ARMSTRONG PL
BOISE, ID 83704-0825
Contact: DALE PATTON
Contact address: PO BOX 5756
BOISE, ID 83705
Contact country: Not reported
Contact telephone: 208-672-2440
Contact email: DALE.PATTON@WINCOFOODS.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: WINCO FOODS LLC
Owner/operator address: 650 N ARMSTRONG PL
BOISE, ID 83704
Owner/operator country: Not reported
Owner/operator telephone: 208-377-0110
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: DALE PATTON
Owner/operator address: PO BOX 5756
BOISE, ID 83705
Owner/operator country: Not reported
Owner/operator telephone: 208-672-2440
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WINCO FOODS #37 (Continued)

1024822757

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

C10
North
< 1/8
0.121 mi.
637 ft.

ELK GROVE CYCLE CENTER
8672 W STOCKTON BLVD
ELK GROVE, CA 95758

Sacramento Co. ML S105960291
N/A

Site 2 of 2 in cluster C

Relative:
Higher
Actual:
32 ft.

Sacramento Co. ML:
 Name: ELK GROVE CYCLE CENTER
 Address: 8672 W STOCKTON BLVD
 City,State,Zip: ELK GROVE, CA 95758
 Facility Id: Not reported
 Facility Status: Not reported
 FD: Not reported
 Billing Codes BP: I
 Billing Codes UST: Not reported
 WG Bill Code: I
 Target Property Bill Cod: Not reported
 Food Bill Code: Not reported
 CUPA Permit Date: Not reported
 HAZMAT Permit Date: Not reported
 HAZMAT Inspection Date: Not reported
 Hazmat Date BP Received: Not reported
 UST Permit Dt: Not reported
 UST Inspection Date: Not reported
 UST Tank Test Date: Not reported
 Number of Tanks: Not reported
 UST Tank Test Date: Not reported
 SIC Code: Not reported
 Tier Permitting: Not reported
 AST Bill Code: Not reported
 CALARP Bill Code: Not reported

D11
West
1/8-1/4
0.127 mi.
670 ft.

JE EXPRESS
6 DONSON COURT
ELK GROVE, CA 95758

HWT S125687874
N/A

Site 1 of 2 in cluster D

Relative:
Lower
Actual:
30 ft.

HWT:
 Name: JE EXPRESS
 Address: 6 DONSON COURT
 City,State,Zip: ELK GROVE, CA 95758
 Reg Num: 6789
 Expiration Date: 11/30/2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D12
West
1/8-1/4
0.127 mi.
670 ft.

JE EXPRESS
6 DONSON CT
ELK GROVE, CA 95758

Site 2 of 2 in cluster D

RCRA NonGen / NLR **1025883075**
N/A

Relative:
Lower

Actual:
30 ft.

RCRA NonGen / NLR:
Date form received by agency: 2019-11-05 00:00:00.0
Facility name: JE EXPRESS
Facility address: 6 DONSON CT
ELK GROVE, CA 95758
EPA ID: CAR000301937
Mailing address: DONSON CT
ELK GROVE, CA 95758
Contact: JESSY ESLO
Contact address: DONSON CT
ELK GROVE, CA 95758
Contact country: US
Contact telephone: 916-833-2792
Contact email: JEEXPRESS411@YAHOO.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: ADVANCE CONCEPTS LLC DBA JE EXPRESS
Owner/operator address: DONSON CT
ELK GROVE, CA 95758
Owner/operator country: US
Owner/operator telephone: 916-833-2792
Owner/operator email: JEEXPRESS411@YAHOO.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JESSY ESLO
Owner/operator address: DONSON CT
ELK GROVE, CA 95758
Owner/operator country: US
Owner/operator telephone: 916-833-2792
Owner/operator email: JEEXPRESS411@YAHOO.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
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): Not reported
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

JE EXPRESS (Continued)

1025883075

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

E13
NNE
1/8-1/4
0.146 mi.
769 ft.

E & J MARKET (FORMER SS)
8706 STOCKTON
ELK GROVE, CA 95758
Site 1 of 2 in cluster E

HIST CORTESE **S104403304**
CERS **N/A**
LUST
Cortese

Relative:
Higher
Actual:
33 ft.

LUST REG 5:
 Name: E & J MARKET (FORMER SS)
 Address: 8706 STOCKTON BLVD
 City: ELK GROVE
 Region: 5
 Status: Case Closed
 Case Number: 340609
 Case Type: Soil only
 Substance: GASOLINE
 Staff Initials: VJF
 Lead Agency: Local
 Program: LUST
 MTBE Code: N/A

LUST:
 Name: E & J MARKET (FORMER SS)
 Address: 8706 STOCKTON BLVD
 City,State,Zip: ELK GROVE, CA 95624
 Lead Agency: SACRAMENTO COUNTY LOP
 Case Type: LUST Cleanup Site
 Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606700518
 Global Id: T0606700518
 Latitude: 38.440759
 Longitude: -121.405222
 Status: Completed - Case Closed
 Status Date: 03/19/1996
 Case Worker: Not reported
 RB Case Number: 340609
 Local Agency: Not reported
 File Location: Not reported
 Local Case Number: A561
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

LUST:
 Global Id: T0606700518
 Contact Type: Regional Board Caseworker
 Contact Name: VERA FISCHER
 Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
 Address: 11020 SUN CENTER DRIVE #200

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E & J MARKET (FORMER SS) (Continued)

S104403304

City: RANCHO CORDOVA
Email: vera.fischer@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0606700518
Action Type: Other
Date: 04/06/1990
Action: Leak Discovery

Global Id: T0606700518
Action Type: Other
Date: 06/04/1990
Action: Leak Reported

LUST:

Global Id: T0606700518
Status: Open - Case Begin Date
Status Date: 04/06/1990

Global Id: T0606700518
Status: Open - Site Assessment
Status Date: 10/25/1993

Global Id: T0606700518
Status: Completed - Case Closed
Status Date: 03/19/1996

CORTESE:

Name: E & J MARKET (FORMER SS)
Address: 8706 STOCKTON BLVD
City,State,Zip: ELK GROVE, CA 95624
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0606700518
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E & J MARKET (FORMER SS) (Continued)

S104403304

HIST CORTESE:

edr_fname: E & J MARKET (FORMER SS)
edr_fadd1: 8706 STOCKTON
City,State,Zip: ELK GROVE, CA 95758
Region: CORTESE
Facility County Code: 34
Reg By: LTNKA
Reg Id: 340609

CERS:

Name: E & J MARKET (FORMER SS)
Address: 8706 STOCKTON BLVD
City,State,Zip: ELK GROVE, CA 95624
Site ID: 250697
CERS ID: T0606700518
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VERA FISCHER - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not reported
Affiliation Address: 11020 SUN CENTER DRIVE #200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

E14
NNE
1/8-1/4
0.164 mi.
865 ft.

E & J'S MARKET
8700 STOCKTON BL
ELK GROVE, CA 95624
Site 2 of 2 in cluster E

Sacramento Co. ML S105808372
N/A

Relative:
Higher

Sacramento Co. ML:

Actual:
33 ft.

Name: E & J'S MARKET
Address: 8700 STOCKTON BL
City,State,Zip: ELK GROVE, CA 95624
Facility Id: Not reported
Facility Status: Inactive. Included on a listing no longer updated.
FD: G
Billing Codes BP: Out of Business
Billing Codes UST: No Tanks
WG Bill Code: Oil Changed by Outside Company-No Fee
Target Property Bill Cod: 51
Food Bill Code: 51
CUPA Permit Date: Not reported
HAZMAT Permit Date: Not reported
HAZMAT Inspection Date: Not reported
Hazmat Date BP Received: Not reported
UST Permit Dt: Not reported
UST Inspection Date: Not reported
UST Tank Test Date: Not reported
Number of Tanks: 0
UST Tank Test Date: Not reported
SIC Code: 5411

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

E & J'S MARKET (Continued)

S105808372

Tier Permitting: Not reported
 AST Bill Code: Not reported
 CALARP Bill Code: Not reported

F15
WSW
1/8-1/4
0.194 mi.
1022 ft.

SHELDON ROAD CHEVRON
8100 SHELDON ROAD
ELK GROVE, CA 95758
Site 1 of 6 in cluster F

UST U004263395
N/A

Relative:
Higher

UST:
 Name: SHELDON ROAD CHEVRON
 Address: 8100 SHELDON ROAD
 City,State,Zip: ELK GROVE, CA 95758
 Facility ID: FA0013787
 Permitting Agency: Sacramento County Environmental Management Department
 Latitude: 38.43765
 Longitude: -121.40815

Actual:
32 ft.

F16
WSW
1/8-1/4
0.194 mi.
1022 ft.

7-ELEVEN INC #41227
8100 SHELDON ROAD
ELK GROVE, CA 95758
Site 2 of 6 in cluster F

CERS TANKS S126106119
HWTS N/A

Relative:
Higher

CERS TANKS:
 Name: 7-ELEVEN INC #41227
 Address: 8100 SHELDON ROAD
 City,State,Zip: ELK GROVE, CA 95758
 Site ID: 152981
 CERS ID: 10587547
 CERS Description: Underground Storage Tank

Actual:
32 ft.

Violations:

Site ID: 152981
 Site Name: Sheldon Road Chevron
 Violation Date: 06-15-2016
 Citation: HSC 6.5 25123.3(h)(1)(c) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)(c)

Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal of acute/extremely hazardous waste after the first 1-kilogram threshold amount was accumulated within a 90 day period.

Violation Notes: Returned to compliance on 10/13/2016. OBSERVATION: 2 x 55 gallon flammable solid waste container located in the hazardous waste storage area observed with accumulation start dates of January 7, 2015 and a manifest/receipt demonstrating disposal within the 180 days was not available. CORRECTIVE ACTION: Dispose of described containers and submit a copy of the manifest/receipt to this department. ATTN: MCGINNESS OBSERVATION: 1 x 55 gallon flammable liquid waste container located in the hazardous waste storage area observed with accumulation start dates of January 7, 2015 and a manifest/receipt demonstrating disposal within the 180 days was not available. CORRECTIVE ACTION: Dispose of described container and submit a copy of the manifest/receipt to this department. ATTN: MCGINNESS

Violation Division: Sacramento County Env Management Department
 Violation Program: HW
 Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN INC #41227 (Continued)

S126106119

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2017
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 01/15/2019. OBSERVATION: Owner/Operator did not submit and/or maintain an accurate UST Tank information. The Tank forms for the premium and diesel tanks should identify the "Riser Pipe Secondary Containment" as Fiberglass. CORRECTIVE ACTION: Submit accurate UST Tank information to CERS. NOTE: This violation applies to the premium and diesel tank systems. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/13/2016. OBSERVATION: The Emergency Response Plan and procedures submitted to this department is for the wrong facility (Galleria 76 @ 1119 Galleria Blvd.). CORRECTIVE ACTION: Adequately complete the emergency response plan and procedures to include all required content and submit electronically in the California Environmental Reporting System. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.
Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 01/15/2019. OBSERVATION: The Monitoring Plans for all 3 tanks have incorrect statements. Monitoring Plans must be current, correct, and complete. REQUIRED ACTION: Correct the Monitoring Plan: 1. For all tanks, in the UDC Monitoring Section, please indicate NO for G Leaks trigger Alarms, Leaks trigger pump shutdown, and Disconnect trigger pump shutdown. 2. For all tanks, Please select YES for Mechanical Line Leak Detector then complete the information for Panel, make/model of Leak Detector (VMI / model# 99LD2000). Login to the website for CERS, revise/upload the forms electronically, save, and submit. NOTIFY D STEELE (Steeled@saccounty.net) WHEN THE SUBMITTAL OCCURS TO CLEAR THE VIOLATION. REPEAT VIOLATION G 14 DAY RESPONSE (due 6/28/2018).

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7-ELEVEN INC #41227 (Continued)

S126106119

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7,
Section(s) 25284.2

Violation Description: Failure to test the spill bucket annually.
Violation Notes: Returned to compliance on 10/12/2016. OBSERVATION: The 87 spill bucket failed the annual testing event. CORRECTIVE ACTION: Repair/ replace and retest failed spill bucket. Submit test results. NOTE: REPAIR/ REPLACEMENT WORK MAY REQUIRE A PERMIT FROM THIS DEPARTMENT. CONTACT EMD PRIOR TO COMMENCING ANY REPAIR/ REPLACEMENT WORK.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 22 CCR 12 66262.23(a) - California Code of Regulations, Title 22,
Chapter 12, Section(s) 66262.23(a)

Violation Description: Failure to properly complete the Uniform Hazardous Waste Manifest.
Violation Notes: Returned to compliance on 10/13/2016. OBSERVATION: The Uniform Hazardous Waste Manifest for 2013 and 2014 not available to verify accurate and complete. CORRECTIVE ACTION: Submit a copies of the 2013 and 2014 manifests to this department for review. ATTN: MCGINNESS

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2017
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter
16, Section(s) 2715(f)

Violation Description: Failure to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 01/15/2019. OBSERVATION: Owner/Operator did not provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system. DO records indicate that employee training is past due. DO records starting on July 27, 2016 to the current May 2017 DO record consistently identify employee training as past due. CORRECTIVE ACTION: Provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system. Submit verification to this department.
Violation Division: Sacramento County Env Management Department

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7-ELEVEN INC #41227 (Continued)

S126106119

Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-21-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: OBSERVATION: 1 X 55 gallon drum of waste liquid located in the outside storage area was observed without a hazardous waste label. CORRECTIVE ACTION: Submit photos to this department demonstrating that the containers listed above have been properly labeled. OBSERVATION: 1 X 55 gallon drum of absorbent, fuel filters and fuel hoses located in the outside storage area was observed with an accumulation start only, no other information was listed on the label. CORRECTIVE ACTION: Submit photos to this department demonstrating that the containers listed above have been properly labeled.

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)

Violation Description: Failure to submit or update a plot plan.

Violation Notes: Returned to compliance on 04/11/2018. OBSERVATION: A complete/accurate plot plan has not been submitted. The UST plot plan must include underground piping, the location of UST monitoring sensors and the location of the monitoring panel. CORRECTIVE ACTION: Submit an approved plot plan to CERS. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2017
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)

Violation Description: Failure to submit or update a plot plan.

Violation Notes: Returned to compliance on 04/11/2018. OBSERVATION: Owner/Operator did not submit a complete/accurate plot plan to CERS. The current plot plan in CERS is missing tank piping and tank monitoring sensors. CORRECTIVE ACTION: Submit a complete/accurate plot plan to CERS. NOTE: This violation applies to all three tank systems onsite. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation. NOTE: The Designated Operator inspection

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7-ELEVEN INC #41227 (Continued)

S126106119

booklet includes a detailed plot plan that includes all required information.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: 19 CCR 4 2729.2(a)(1) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(1)

Violation Description: Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violation Notes: Returned to compliance on 06/19/2013.

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)

Violation Description: Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.

Violation Notes: Returned to compliance on 06/25/2015.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to maintain on site an approved monitoring plan.

Violation Notes: Returned to compliance on 06/25/2015. OBSERVATION: Owner/Operator did not maintain an approved monitoring plan. UST monitoring plan for all tanks should identify the Tank Monitoring "Secondary Containment System" as dry not pressurized. CORRECTIVE ACTION: Maintain an approved monitoring plan. Submit monitoring plan for approval. NOTE: Please notify Brion McGinness at mcginnessb@sacounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)

Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial

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7-ELEVEN INC #41227 (Continued)

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transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violation Notes: Returned to compliance on 10/13/2016. OBSERVATION: Uniform Hazardous Waste Manifests for 2013 and 2014 were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all Uniform Hazardous Waste Manifests for 2013 and 2014 and submit copies to this department. ATTN: MCGINNESS

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

Violation Description: Failure to test the spill bucket annually.
Violation Notes: Returned to compliance on 06/23/2015. OBSERVATION: The diesel spill bucket failed the annual testing event. CORRECTIVE ACTION: Repair/replace and retest diesel spill bucket and submit test results.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286

Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 01/15/2019. OBSERVATION: UST Tank information pages for the 91 and diesel tanks should identify "Riser Pipe Secondary Containment" as Fiberglass and "Containment Sump" as Yes. CORRECTIVE ACTION: Submit and maintain an accurate UST Tank information. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 04/11/2018. OBSERVATION: Owner/Operator did not maintain an approved monitoring plan. Monitoring plans for all three tanks should identify "UDC Leak Sensor Manufacturer" as Beaudreau, the Model Number as DLS 01-24 and include in the notes section that only UDC 11/12 is monitored with a Veeder Root 001. CORRECTIVE ACTION: Submit an approved monitoring plans to CERS. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department

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Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: 23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)

Violation Description: Failure to submit statement of UST compliance and/or Designated Operator current certification.

Violation Notes: Returned to compliance on 06/28/2013.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-21-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)

Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, - 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: OBSERVATION: Owner/Operator did not maintain overfill prevention system to meet one of the following requirements:1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Both the regular and the premium overfill prevention devices exceeded the maximum overfill

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level of 95%. CORRECTIVE ACTION: Maintain overfill prevention system to meet one of the following [Truncated]
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)

Violation Description: Failure of pump shut down when a leak is detected or when line leak detector is disconnected.

Violation Notes: Returned to compliance on 06/23/2015.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-21-2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: OBSERVATION: Financial responsibility documents submitted to the California Electronic Reporting System (CERS) are not current and/or accurate. The Chief Financial Officer Letter submitted to CERS is not current. The Financial Responsibility document submitted to CERS should list N/A for Mechanism Number(s), should include the term per occurrence and annual aggregate in the Coverage Amount sections and the Coverage Period for the State UST Clean-up Fund should read Continuous. Current and complete financial responsibility documents are required to be submitted annually. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility documents to CERS. NOTE: This violation applies to all three tank systems onsite. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)

Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Violation Notes: Returned to compliance on 06/19/2013.
Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron

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7-ELEVEN INC #41227 (Continued)

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Violation Date: 06-15-2016
Citation: 23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)
Violation Description: Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 01/15/2019. OBSERVATION: Designated operator monthly inspection report(s) for June 2015 through December 2015 were not found on site. Designated operator monthly inspection reports for the previous twelve months shall be retained on site. CORRECTIVE ACTION: Locate and ensure that copies of the previous twelve months of designated operator monthly inspection reports are maintained on site. Submit copies to the CUPA. ATTN: MCGINNESS
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to obtain permit to install, replace, repair, or modify part of the UST system containment or leak detection equipment.
Violation Notes: Returned to compliance on 06/28/2013.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 01/15/2019. OBSERVATION: The Tank forms have incorrect/missing information. Tank forms must be current, correct, and complete. REQUIRED ACTION: 1. For 91 and diesel tanks, "Riser Pipe Secondary Containment" should be Fiberglass. 2. For the Diesel tank, mark 'None' for 'Vapor Recovery'. Login to the website for CERS, revise/upload the forms electronically, save, and submit. NOTIFY D STEELE (Steeled@saccounty.net) WHEN THE SUBMITTAL OCCURS TO CLEAR THE VIOLATION. REPEAT VIOLATION G 14 DAY RESPONSE (due 6/28/2018).
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/13/2016. OBSERVATION: The Hazardous

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7-ELEVEN INC #41227 (Continued)

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Materials Inventory Chemical Description pages for car wash presoak, car wash conditioner and water repellent should identify the maximum daily amount as 30 gallons not 5 gallons. CORRECTIVE ACTION: Adequately complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation. OBSERVATION: The Hazardous Materials Inventory Chemical Description pages for car wash cleaning product and car wash wax should identify the maximum daily amount as 20 gallons not 5 gallons. CORRECTIVE ACTION: Adequately complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net [Truncated]

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 10/24/2017. OBSERVATION: The Business Activities page submitted to this department does not identify facility as a hazardous waste generator. CORRECTIVE ACTION: Adequately complete the Business Activities page and submit electronically in the California Environmental Reporting System. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-21-2019
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)

Violation Description: Failure to submit the G Designated Underground Storage Tank Operator Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes: OBSERVATION: Facility has not submitted the UST Statement of Understanding and Compliance Form to the California Electronic Reporting System (CERS). CORRECTIVE ACTION: Submit a completed UST Statement of Understanding and Compliance Form to CERS. NOTE: This violation applies to all three tank systems onsite. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

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7-ELEVEN INC #41227 (Continued)

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Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure of service technician, designated operator, installer, and/or employee to obtain and maintain a proper and current International Code Council certification.
Violation Notes: Returned to compliance on 06/28/2013.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 06/30/2015. OBSERVATION: UST facility operating permit information and UST tank forms are not current in CERS. UST tank forms for all grades should identify the "Piping/Turbine Containment Sump" as single walled. Any change of information must be updated in CERS within 30 days of the change. CORRECTIVE ACTION: Immediately update the required information in CERS and submit for review by the CUPA. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 04/11/2018. OBSERVATION: Owner/Operator did not maintain an approved monitoring plan. The monitoring plans for all three tanks should identify the "UDC Leak Sensor Model as 406" and include a note that only UDC# 11/12 is monitored by a Veeder Root - Model Number 001. CORRECTIVE ACTION: Submit accurate monitoring plans to CERS. NOTE: This violation applies to all three tank systems onsite. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous

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7-ELEVEN INC #41227 (Continued)

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Violation Notes: Waste, and starting accumulation date.
Returned to compliance on 06/28/2013.
Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)

Violation Description: Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.

Violation Notes: Returned to compliance on 06/30/2015.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-17-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN INC #41227 (Continued)

S126106119

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations observed at the time of inspection.
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: No Violations observed at this time. Sensors are functional and in

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN INC #41227 (Continued)

S126106119

correct position. Sumps & buckets are clean and free of debris.
Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN INC #41227 (Continued)

S126106119

Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-17-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-19-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-19-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-19-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 09-21-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN INC #41227 (Continued)

S126106119

Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO Box 711: Attn: Gasoline Compliance
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75221
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Owner
Entity Name: 7-ELEVEN INC
Entity Title: Not reported
Affiliation Address: PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711

Affiliation Type Desc: CUPA District
Entity Name: Sacramento County Environmental Management Departm
Entity Title: Not reported
Affiliation Address: 10590 Armstrong Avenue, Suite A
Affiliation City: Sacramento
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95655
Affiliation Phone: (916) 875-8550

Affiliation Type Desc: Environmental Contact
Entity Name: ETHAN VALBURG
Entity Title: Not reported
Affiliation Address: PO Box 711: Attn: Gasoline Compliance
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75221
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN INC #41227 (Continued)

S126106119

Entity Name: STEPHEN BOYD
Entity Title: REGIONAL GAS ENVIRONMENTAL COMPLIANCE SPECIALIST
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: PO Box 711: Attn: Gasoline Compliance
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711

Affiliation Type Desc: UST Property Owner Name
Entity Name: 7-ELEVEN INC
Entity Title: Not reported
Affiliation Address: PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711

Affiliation Type Desc: Document Preparer
Entity Name: Steve Skanderson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: 7-ELEVEN INC. (Branded Chevron)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (800) 828-0711

Affiliation Type Desc: Property Owner
Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: P.O. BOX 711 ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN INC #41227 (Continued)

S126106119

Affiliation Phone: (800) 828-0711

Affiliation Type Desc: UST Tank Operator
Entity Name: 7-ELEVEN INC
Entity Title: Not reported
Affiliation Address: PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711

HWTS:

Name: 7 ELEVEN 41227
Address: 8100 SHELDON RD
Address 2: Not reported
City,State,Zip: ELK GROVE, CA 95758
EPA ID: CAL000451362
Inactive Date: Not reported
Create Date: 12/16/2019
Last Act Date: 12/16/2019
Mailing Name: Not reported
Mailing Address: PO BOX 711
Mailing Address 2: Not reported
Mailing City,State,Zip: DALLAS, TX 75221
Owner Name: 7-11 INC
Owner Address: PO BOX 711
Owner Address 2: Not reported
Owner City,State,Zip: DALLAS, TX 75221
Contact Name: JAMIL HERSHEWE
Contact Address: PO BOX 711
Contact Address 2: Not reported
City,State,Zip: DALLAS, TX 75221

F17
WSW
1/8-1/4
0.194 mi.
1022 ft.

7 ELEVEN 41227
8100 SHELDON RD
ELK GROVE, CA 95758

Site 3 of 6 in cluster F

RCRA NonGen / NLR 1026055182
N/A

Relative:
Higher
Actual:
32 ft.

RCRA NonGen / NLR:
Date form received by agency: 2019-12-16 00:00:00.0
Facility name: 7 ELEVEN 41227
Facility address: 8100 SHELDON RD
ELK GROVE, CA 95758
EPA ID: CAL000451362
Mailing address: PO BOX 711
DALLAS, TX 75221
Contact: JAMIL HERSHEWE
Contact address: PO BOX 711
DALLAS, TX 75221
Contact country: Not reported
Contact telephone: 714-264-6074
Contact email: JAMIL.HERSHEWE@7-11.COM
EPA Region: 09
Classification: Non-Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7 ELEVEN 41227 (Continued)

1026055182

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: 7-11 INC
Owner/operator address: PO BOX 711
DALLAS, TX 75221
Owner/operator country: Not reported
Owner/operator telephone: 714-264-6074
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JAMIL HERSHEWE
Owner/operator address: PO BOX 711
DALLAS, TX 75221
Owner/operator country: Not reported
Owner/operator telephone: 714-264-6074
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
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): Not reported
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

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

F18 **SHELDON ROAD CHEVRON**
WSW **8100 SHELDON RD**
1/8-1/4 **ELK GROVE, CA 95758**
0.194 mi.
1022 ft. **Site 4 of 6 in cluster F**

Sacramento Co. ML **S104655201**
N/A

Relative: Sacramento Co. ML:
Higher Name: SHELDON ROAD CHEVRON
Actual: Address: 8100 SHELDON RD
32 ft. City,State,Zip: ELK GROVE, CA 95758
 Facility Id: Not reported
 Facility Status: Not reported
 FD: Not reported
 Billing Codes BP: A
 Billing Codes UST: A
 WG Bill Code: A
 Target Property Bill Cod: Not reported
 Food Bill Code: Not reported
 CUPA Permit Date: Not reported
 HAZMAT Permit Date: Not reported
 HAZMAT Inspection Date: Not reported
 Hazmat Date BP Received: Not reported
 UST Permit Dt: Not reported
 UST Inspection Date: Not reported
 UST Tank Test Date: Not reported
 Number of Tanks: 3
 UST Tank Test Date: Not reported
 SIC Code: Not reported
 Tier Permitting: Not reported
 AST Bill Code: Not reported
 CALARP Bill Code: Not reported

F19 **SHELDON ROAD CHEVRON**
WSW **8100 SHELDON ROAD**
1/8-1/4 **ELK GROVE, CA 95758**
0.194 mi.
1022 ft. **Site 5 of 6 in cluster F**

CERS **S121746811**
CERS HAZ WASTE **N/A**

Relative: CERS HAZ WASTE:
Higher Name: SHELDON ROAD CHEVRON
Actual: Address: 8100 SHELDON ROAD
32 ft. City,State,Zip: ELK GROVE, CA 95758
 Site ID: 152981
 CERS ID: 10587547
 CERS Description: Hazardous Waste Generator

CERS:
Name: SHELDON ROAD CHEVRON
Address: 8100 SHELDON ROAD
City,State,Zip: ELK GROVE, CA 95758
Site ID: 152981
CERS ID: 10587547
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: HSC 6.5 25123.3(h)(1)(c) - California Health and Safety Code, Chapter
 6.5, Section(s) 25123.3(h)(1)(c)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELDON ROAD CHEVRON (Continued)

S121746811

Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal of acute/extremely hazardous waste after the first 1-kilogram threshold amount was accumulated within a 90 day period.

Violation Notes: Returned to compliance on 10/13/2016. OBSERVATION: 2 x 55 gallon flammable solid waste container located in the hazardous waste storage area observed with accumulation start dates of January 7, 2015 and a manifest/receipt demonstrating disposal within the 180 days was not available. CORRECTIVE ACTION: Dispose of described containers and submit a copy of the manifest/receipt to this department. ATTN: MCGINNESS OBSERVATION: 1 x 55 gallon flammable liquid waste container located in the hazardous waste storage area observed with accumulation start dates of January 7, 2015 and a manifest/receipt demonstrating disposal within the 180 days was not available. CORRECTIVE ACTION: Dispose of described container and submit a copy of the manifest/receipt to this department. ATTN: MCGINNESS

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2017
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286

Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violation Notes: Returned to compliance on 01/15/2019. OBSERVATION: Owner/Operator did not submit and/or maintain an accurate UST Tank information. The Tank forms for the premium and diesel tanks should identify the "Riser Pipe Secondary Containment" as Fiberglass. CORRECTIVE ACTION: Submit accurate UST Tank information to CERS. NOTE: This violation applies to the premium and diesel tank systems. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violation Notes: Returned to compliance on 10/13/2016. OBSERVATION: The Emergency Response Plan and procedures submitted to this department is for the wrong facility (Galleria 76 @ 1119 Galleria Blvd.). CORRECTIVE ACTION: Adequately complete the emergency response plan and procedures to include all required content and submit electronically in the California Environmental Reporting System. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELDON ROAD CHEVRON (Continued)

S121746811

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 01/15/2019. OBSERVATION: The Monitoring Plans for all 3 tanks have incorrect statements. Monitoring Plans must be current, correct, and complete. REQUIRED ACTION: Correct the Monitoring Plan: 1. For all tanks, in the UDC Monitoring Section, please indicate NO for G Leaks trigger Alarms, Leaks trigger pump shutdown, and Disconnect trigger pump shutdown. 2. For all tanks, Please select YES for Mechanical Line Leak Detector then complete the information for Panel, make/model of Leak Detector (VMI / model# 99LD2000). Login to the website for CERS, revise/upload the forms electronically, save, and submit. NOTIFY D STEELE (Steeled@saccounty.net) WHEN THE SUBMITTAL OCCURS TO CLEAR THE VIOLATION. REPEAT VIOLATION G 14 DAY RESPONSE (due 6/28/2018).
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: Failure to test the spill bucket annually.
Violation Notes: Returned to compliance on 10/12/2016. OBSERVATION: The 87 spill bucket failed the annual testing event. CORRECTIVE ACTION: Repair/ replace and retest failed spill bucket. Submit test results. NOTE: REPAIR/ REPLACEMENT WORK MAY REQUIRE A PERMIT FROM THIS DEPARTMENT. CONTACT EMD PRIOR TO COMMENCING ANY REPAIR/ REPLACEMENT WORK.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Description: Failure to properly complete the Uniform Hazardous Waste Manifest.
Violation Notes: Returned to compliance on 10/13/2016. OBSERVATION: The Uniform Hazardous Waste Manifest for 2013 and 2014 not available to verify accurate and complete. CORRECTIVE ACTION: Submit a copies of the 2013 and 2014 manifests to this department for review. ATTN: MCGINNESS
Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2017
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to have at least one employee present during operating hours

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELDON ROAD CHEVRON (Continued)

S121746811

Violation Notes: that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). Returned to compliance on 01/15/2019. OBSERVATION: Owner/Operator did not provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system. DO records indicate that employee training is past due. DO records starting on July 27, 2016 to the current May 2017 DO record consistently identify employee training as past due. CORRECTIVE ACTION: Provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system. Submit verification to this department.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-21-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: OBSERVATION: 1 X 55 gallon drum of waste liquid located in the outside storage area was observed without a hazardous waste label. CORRECTIVE ACTION: Submit photos to this department demonstrating that the containers listed above have been properly labeled. OBSERVATION: 1 X 55 gallon drum of absorbent, fuel filters and fuel hoses located in the outside storage area was observed with an accumulation start only, no other information was listed on the label. CORRECTIVE ACTION: Submit photos to this department demonstrating that the containers listed above have been properly labeled.

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)

Violation Description: Failure to submit or update a plot plan.

Violation Notes: Returned to compliance on 04/11/2018. OBSERVATION: A complete/accurate plot plan has not been submitted. The UST plot plan must include underground piping, the location of UST monitoring sensors and the location of the monitoring panel. CORRECTIVE ACTION: Submit an approved plot plan to CERS. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELDON ROAD CHEVRON (Continued)

S121746811

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2017
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)

Violation Description: Failure to submit or update a plot plan.
Violation Notes: Returned to compliance on 04/11/2018. OBSERVATION: Owner/Operator did not submit a complete/accurate plot plan to CERS. The current plot plan in CERS is missing tank piping and tank monitoring sensors. CORRECTIVE ACTION: Submit a complete/accurate plot plan to CERS. NOTE: This violation applies to all three tank systems onsite. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation. NOTE: The Designated Operator inspection booklet includes a detailed plot plan that includes all required information.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: 19 CCR 4 2729.2(a)(1) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(1)

Violation Description: Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 06/19/2013.

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)

Violation Description: Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.

Violation Notes: Returned to compliance on 06/25/2015.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to maintain on site an approved monitoring plan.

Map ID
Direction
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SHELDON ROAD CHEVRON (Continued)

S121746811

Violation Notes: Returned to compliance on 06/25/2015. OBSERVATION: Owner/Operator did not maintain an approved monitoring plan. UST monitoring plan for all tanks should identify the Tank Monitoring "Secondary Containment System" as dry not pressurized. CORRECTIVE ACTION: Maintain an approved monitoring plan. Submit monitoring plan for approval. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)

Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violation Notes: Returned to compliance on 10/13/2016. OBSERVATION: Uniform Hazardous Waste Manifests for 2013 and 2014 were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all Uniform Hazardous Waste Manifests for 2013 and 2014 and submit copies to this department. ATTN: MCGINNESS

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

Violation Description: Failure to test the spill bucket annually.

Violation Notes: Returned to compliance on 06/23/2015. OBSERVATION: The diesel spill bucket failed the annual testing event. CORRECTIVE ACTION: Repair/replace and retest diesel spill bucket and submit test results.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286

Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violation Notes: Returned to compliance on 01/15/2019. OBSERVATION: UST Tank information pages for the 91 and diesel tanks should identify "Riser Pipe Secondary Containment" as Fiberglass and "Containment Sump" as Yes. CORRECTIVE ACTION: Submit and maintain an accurate UST Tank information. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department

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SHELDON ROAD CHEVRON (Continued)

S121746811

Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 04/11/2018. OBSERVATION: Owner/Operator did not maintain an approved monitoring plan. Monitoring plans for all three tanks should identify "UDC Leak Sensor Manufacturer" as Beaudreau, the Model Number as DLS 01-24 and include in the notes section that only UDC 11/12 is monitored with a Veeder Root 001. CORRECTIVE ACTION: Submit an approved monitoring plans to CERS. NOTE: Please notify Brion McGinness at mcginnessb@sacounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: 23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)

Violation Description: Failure to submit statement of UST compliance and/or Designated Operator current certification.

Violation Notes: Returned to compliance on 06/28/2013.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-21-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)

Violation Description: Failure to comply with one or more of the following overflow prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overflow prevention equipment that does not use flow restrictors on vent piping to meet overflow prevention equipment requirements when the overflow prevention equipment is installed, repaired, or replaced on and after October 1, - 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30

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SHELDON ROAD CHEVRON (Continued)

S121746811

Violation Notes: days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months. OBSERVATION: Owner/Operator did not maintain overfill prevention system to meet one of the following requirements:1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Both the regular and the premium overfill prevention devices exceeded the maximum overfill level of 95%. CORRECTIVE ACTION: Maintain overfill prevention system to meet one of the following [Truncated]

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)

Violation Description: Failure of pump shut down when a leak is detected or when line leak detector is disconnected.

Violation Notes: Returned to compliance on 06/23/2015.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-21-2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: OBSERVATION: Financial responsibility documents submitted to the California Electronic Reporting System (CERS) are not current and/or accurate. The Chief Financial Officer Letter submitted to CERS is not current. The Financial Responsibility document submitted to CERS should list N/A for Mechanism Number(s), should include the term per occurrence and annual aggregate in the Coverage Amount sections and the Coverage Period for the State UST Clean-up Fund should read Continuous. Current and complete financial responsibility documents are required to be submitted annually. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility documents to CERS. NOTE: This violation applies to all three tank systems onsite. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department

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SHELDON ROAD CHEVRON (Continued)

S121746811

Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)

Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Violation Notes: Returned to compliance on 06/19/2013.
Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)

Violation Description: Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.

Violation Notes: Returned to compliance on 01/15/2019. OBSERVATION: Designated operator monthly inspection report(s) for June 2015 through December 2015 were not found on site. Designated operator monthly inspection reports for the previous twelve months shall be retained on site. CORRECTIVE ACTION: Locate and ensure that copies of the previous twelve months of designated operator monthly inspection reports are maintained on site. Submit copies to the CUPA. ATTN: MCGINNESS
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712

Violation Description: Failure to obtain permit to install, replace, repair, or modify part of the UST system containment or leak detection equipment.

Violation Notes: Returned to compliance on 06/28/2013.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286

Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violation Notes: Returned to compliance on 01/15/2019. OBSERVATION: The Tank forms have incorrect/missing information. Tank forms must be current, correct, and complete. REQUIRED ACTION: 1. For 91 and diesel tanks, "Riser Pipe

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SHELDON ROAD CHEVRON (Continued)

S121746811

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS
Secondary Containment" should be Fiberglass. 2. For the Diesel tank, mark 'None' for 'Vapor Recovery'. Login to the website for CERS, revise/upload the forms electronically, save, and submit. NOTIFY D STEELE (Steeled@saccounty.net) WHEN THE SUBMITTAL OCCURS TO CLEAR THE VIOLATION. REPEAT VIOLATION G 14 DAY RESPONSE (due 6/28/2018).

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: Returned to compliance on 10/13/2016. OBSERVATION: The Hazardous Materials Inventory Chemical Description pages for car wash presoak, car wash conditioner and water repellent should identify the maximum daily amount as 30 gallons not 5 gallons. CORRECTIVE ACTION: Adequately complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation. OBSERVATION: The Hazardous Materials Inventory Chemical Description pages for car wash cleaning product and car wash wax should identify the maximum daily amount as 20 gallons not 5 gallons. CORRECTIVE ACTION: Adequately complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net [Truncated]

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-15-2016
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violation Notes: Returned to compliance on 10/24/2017. OBSERVATION: The Business Activities page submitted to this department does not identify facility as a hazardous waste generator. CORRECTIVE ACTION: Adequately complete the Business Activities page and submit electronically in the California Environmental Reporting System. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron

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SHELDON ROAD CHEVRON (Continued)

S121746811

Violation Date: 06-21-2019
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description: Failure to submit the G Designated Underground Storage Tank Operator Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes: OBSERVATION: Facility has not submitted the UST Statement of Understanding and Compliance Form to the California Electronic Reporting System (CERS). CORRECTIVE ACTION: Submit a completed UST Statement of Understanding and Compliance Form to CERS. NOTE: This violation applies to all three tank systems onsite. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure of service technician, designated operator, installer, and/or employee to obtain and maintain a proper and current International Code Council certification.
Violation Notes: Returned to compliance on 06/28/2013.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 06/30/2015. OBSERVATION: UST facility operating permit information and UST tank forms are not current in CERS. UST tank forms for all grades should identify the "Piping/Turbine Containment Sump" as single walled. Any change of information must be updated in CERS within 30 days of the change. CORRECTIVE ACTION: Immediately update the required information in CERS and submit for review by the CUPA. NOTE: Please notify Brion McGinness at mcginnessb@saccounty.net following correction of this violation.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-12-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 04/11/2018. OBSERVATION: Owner/Operator did not maintain an approved monitoring plan. The monitoring plans for all

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SHELDON ROAD CHEVRON (Continued)

S121746811

three tanks should identify the "UDC Leak Sensor Model as 406" and include a note that only UDC# 11/12 is monitored by a Veeder Root - Model Number 001. CORRECTIVE ACTION: Submit accurate monitoring plans to CERS. NOTE: This violation applies to all three tank systems onsite. NOTE: Please notify Brion McGinness at mcginnessb@sacounty.net following correction of this violation.

Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-19-2013
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 06/28/2013.
Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Violation Date: 06-17-2015
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)

Violation Description: Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.

Violation Notes: Returned to compliance on 06/30/2015.
Violation Division: Sacramento County Env Management Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-17-2015

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SHELDON ROAD CHEVRON (Continued)

S121746811

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations observed at the time of inspection.
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

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SHELDON ROAD CHEVRON (Continued)

S121746811

Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: No Violations observed at this time. Sensors are functional and in correct position. Sumps & buckets are clean and free of debris.
Eval Division: Sacramento County Env Management Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HW

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SHELDON ROAD CHEVRON (Continued)

S121746811

Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-17-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-19-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-19-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD

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SHELDON ROAD CHEVRON (Continued)

S121746811

Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-19-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 152981
Site Name: Sheldon Road Chevron
Site Address: 8100 SHELDON ROAD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 09-21-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO Box 711: Attn: Gasoline Compliance
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75221
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Owner
Entity Name: 7-ELEVEN INC
Entity Title: Not reported
Affiliation Address: PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711

Affiliation Type Desc: CUPA District
Entity Name: Sacramento County Environmental Management Departm
Entity Title: Not reported

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SHELDON ROAD CHEVRON (Continued)

S121746811

Affiliation Address: 10590 Armstrong Avenue, Suite A
Affiliation City: Sacramento
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95655
Affiliation Phone: (916) 875-8550

Affiliation Type Desc: Environmental Contact
Entity Name: ETHAN VALBURG
Entity Title: Not reported
Affiliation Address: PO Box 711: Attn: Gasoline Compliance
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75221
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: STEPHEN BOYD
Entity Title: REGIONAL GAS ENVIRONMENTAL COMPLIANCE SPECIALIST
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: PO Box 711: Attn: Gasoline Compliance
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711

Affiliation Type Desc: UST Property Owner Name
Entity Name: 7-ELEVEN INC
Entity Title: Not reported
Affiliation Address: PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711

Affiliation Type Desc: Document Preparer
Entity Name: Steve Skanderson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELDON ROAD CHEVRON (Continued)

S121746811

Affiliation Type Desc: Operator
Entity Name: 7-ELEVEN INC. (Branded Chevron)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (800) 828-0711

Affiliation Type Desc: Property Owner
Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: P.O. BOX 711 ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711

Affiliation Type Desc: UST Tank Operator
Entity Name: 7-ELEVEN INC
Entity Title: Not reported
Affiliation Address: PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711

F20
WSW
1/8-1/4
0.194 mi.
1022 ft.

SHELDON RD CHEVRON
8100 SHELDON RD
ELK GROVE, CA 95758
Site 6 of 6 in cluster F

RCRA NonGen / NLR **1024805534**
N/A

Relative:
Higher

RCRA NonGen / NLR:

Actual:
32 ft.

Date form received by agency: 2002-12-30 00:00:00.0
Facility name: SHELDON RD CHEVRON
Facility address: 8100 SHELDON RD
ELK GROVE, CA 95758
EPA ID: CAL000264203
Mailing address: 2640 BABSON DR
ELK GROVE, CA 95758-7639
Contact: VIVIAN BLAZIC
Contact address: 2640 BABSON DRIVE
ELK GROVE, CA 95758-7639
Contact country: Not reported
Contact telephone: 916-684-0237
Contact email: VBLAZIC_YJK@COMCAST.NET
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: VIVIAN BLAZIC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELDON RD CHEVRON (Continued)

1024805534

Owner/operator address: 2640 BABSON DRIVE
ELK GROVE, CA 95758
Owner/operator country: Not reported
Owner/operator telephone: 916-684-0237
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: YJK ENTERPRISES INC
Owner/operator address: 2640 BABSON DR
ELK GROVE, CA 95758
Owner/operator country: Not reported
Owner/operator telephone: 916-684-0237
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
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

G21
SW
1/8-1/4
0.195 mi.
1032 ft.

DOLLAR TREE # 03447
8126 SHELDON RD
ELK GROVE, CA 95758
Site 1 of 4 in cluster G

Sacramento Co. ML S113738325
N/A

Relative:
Lower
Actual:
27 ft.

Sacramento Co. ML:
Name: DOLLAR TREE # 03447
Address: 8126 SHELDON RD
City,State,Zip: ELK GROVE, CA 95758
Facility Id: Not reported
Facility Status: Not reported
FD: Not reported
Billing Codes BP: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE # 03447 (Continued)

S113738325

Billing Codes UST: Not reported
WG Bill Code: A
Target Property Bill Cod: Not reported
Food Bill Code: Not reported
CUPA Permit Date: Not reported
HAZMAT Permit Date: Not reported
HAZMAT Inspection Date: Not reported
Hazmat Date BP Received: Not reported
UST Permit Dt: Not reported
UST Inspection Date: Not reported
UST Tank Test Date: Not reported
Number of Tanks: Not reported
UST Tank Test Date: Not reported
SIC Code: Not reported
Tier Permitting: Not reported
AST Bill Code: Not reported
CALARP Bill Code: Not reported

**G22
SW
1/8-1/4
0.195 mi.
1032 ft.**

**DOLLAR TREE #03447
8126 SHELDON RD
ELK GROVE, CA 95758
Site 2 of 4 in cluster G**

**CERS S118234286
CERS HAZ WASTE N/A
HAZNET
SWRCY
HWTS**

**Relative:
Lower
Actual:
27 ft.**

SWRCY:
Name: A ROBINSON RECYCLE CENTER
Address: 8126 SHELDON RD
City,State,Zip: ELK GROVE, CA 95758
Reg Id: 251573
Cert Id: RC251573.001
Mailing Address: 2075 Gold Nugget Dr
Mailing City: Plumas Lake
Mailing State: CA
Mailing Zip Code: 95961
Website: Not reported
Email: robinson.aliya@yahoo.com
Phone Number: (916) 233-7694
Rural: N
Operation Begin Date: 10/01/2016
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Hours of Operation: Mon - Sat 9:00 am - 4:00 pm, Closed 12:00 - 1:00; Sun Closed
Organization ID: 246831
Organization Name: A Robinson Recycling Center

CERS HAZ WASTE:
Name: DOLLAR TREE #03447
Address: 8126 SHELDON RD
City,State,Zip: ELK GROVE, CA 95758
Site ID: 25850
CERS ID: 10467889
CERS Description: Hazardous Waste Generator

HAZNET:
Name: DOLLAR TREE #03447

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Address: 8126 SHELDON RD
Address 2: Not reported
City,State,Zip: ELK GROVE, CA 233201604
Contact: ANGELA JONES
Telephone: 7573215761
Mailing Name: Not reported
Mailing Address: 500 VOLVO PKWY

Year: 2019
Gepaid: CAL000390933
TSD EPA ID: AZR000515924
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.26700

Year: 2019
Gepaid: CAL000390933
TSD EPA ID: CAD008364432
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00900

Year: 2019
Gepaid: CAL000390933
TSD EPA ID: NVD980895338
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01200

Year: 2019
Gepaid: CAL000390933
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01000

Year: 2019
Gepaid: CAL000390933
TSD EPA ID: NVD980895338
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H070 -
Tons: 0.02850

Year: 2018
Gepaid: CAL000390933
TSD EPA ID: NVD980895338
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00500

Year: 2018
Gepaid: CAL000390933

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02150

Year: 2018
Gepaid: CAL000390933
TSD EPA ID: NVD980895338
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.04600

Year: 2018
Gepaid: CAL000390933
TSD EPA ID: AZR000515924
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.20800

Year: 2018
Gepaid: CAL000390933
TSD EPA ID: NVD980895338
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H121 - Neutralization Only
Tons: 0.04850

Additional Info:

Year: 2015
Gen EPA ID: CAL000390933

Shipment Date: 20151221
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Disposal Method: - Not reported
Quantity Tons: 0.0325
Waste Quantity: 65
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Shipment Date: 20151221
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Disposal Method: - Not reported
Quantity Tons: 0.0115
Waste Quantity: 23
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151221
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Disposal Method: - Not reported
Quantity Tons: 0.045
Waste Quantity: 90
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151221
Creation Date: 3/22/2016 22:15:44
Receipt Date: 20151223
Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: - Not reported
Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151221
Creation Date: 3/22/2016 22:15:44
Receipt Date: 20151223
Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D035
Disposal Method: - Not reported
Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151221
Creation Date: 3/22/2016 22:15:44
Receipt Date: 20151223
Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5)
RCRA Code: D002
Disposal Method: - Not reported
Quantity Tons: 0.0055
Waste Quantity: 11
Quantity Unit: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151221
Creation Date: 3/22/2016 22:15:44
Receipt Date: 20151223
Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

RCRA Code: D001
Disposal Method: - Not reported
Quantity Tons: 0.006
Waste Quantity: 12
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151006
Creation Date: 12/16/2015 22:15:07
Receipt Date: 20151007
Manifest ID: 008464630FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.007
Waste Quantity: 14
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Shipment Date: 20151006
Creation Date: 12/16/2015 22:15:07
Receipt Date: 20151007
Manifest ID: 008464630FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.003
Waste Quantity: 6
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151006
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008464630FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.043
Waste Quantity: 86
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000390933

Shipment Date: 20151221
Creation Date: 3/22/2016 22:15:44
Receipt Date: 20151223

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: - Not reported
Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151221
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Disposal Method: - Not reported
Quantity Tons: 0.0115
Waste Quantity: 23
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151221
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

CA Waste Code: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Disposal Method: - Not reported
Quantity Tons: 0.045
Waste Quantity: 90
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151221
Creation Date: 3/22/2016 22:15:44
Receipt Date: 20151223
Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

RCRA Code: D001
Disposal Method: - Not reported
Quantity Tons: 0.006
Waste Quantity: 12
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151221
Creation Date: 3/22/2016 22:15:44
Receipt Date: 20151223
Manifest ID: 008464825FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5)
RCRA Code: D002
Disposal Method: - Not reported
Quantity Tons: 0.0055
Waste Quantity: 11
Quantity Unit: P
Additional Code 1: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151221
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008464825FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151221
Creation Date:	3/22/2016 22:15:44
Receipt Date:	20151223
Manifest ID:	008464825FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D035
Disposal Method:	- Not reported
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151006
Creation Date:	12/16/2015 22:15:07
Receipt Date:	20151007
Manifest ID:	008464630FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0795
Waste Quantity: 159
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151006
Creation Date: 12/16/2015 22:15:07
Receipt Date: 20151007
Manifest ID: 008464630FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.003
Waste Quantity: 6
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151006
Creation Date: 12/16/2015 22:15:07
Receipt Date: 20151007
Manifest ID: 008464630FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0045
Waste Quantity: 9
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2017
Gen EPA ID: CAL000390933

Shipment Date: 20171218
Creation Date: 10/16/2018 18:30:53
Receipt Date: 20180105
Manifest ID: 010788904FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000175422
Trans 2 Name: WORLD WIDE RECOVERY SYSTEMS
TSDF EPA ID: AZR000515924
Trans Name: YUMA YES LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.074
Waste Quantity: 148
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171218
Creation Date: 10/24/2018 18:30:33
Receipt Date: 20180115
Manifest ID: 010788903FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Disposal Method: H121 - Neutralization Only
Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171218
Creation Date: 10/24/2018 18:30:33
Receipt Date: 20180115
Manifest ID: 010788903FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0105
Waste Quantity: 21
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171218
Creation Date: 10/24/2018 18:30:33
Receipt Date: 20180115
Manifest ID: 010788903FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.013
Waste Quantity: 26
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171218
Creation Date:	10/16/2018 18:30:53
Receipt Date:	20180105
Manifest ID:	010788904FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLD WIDE RECOVERY SYSTEMS
TSDf EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0495
Waste Quantity:	99
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170818
Creation Date:	8/1/2018 18:31:20
Receipt Date:	20170907
Manifest ID:	010076597FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1525
Waste Quantity:	305
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170818
Creation Date:	8/1/2018 18:31:20
Receipt Date:	20170907
Manifest ID:	010076597FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.072
Waste Quantity: 144
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170508
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 009156050FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.051
Waste Quantity: 102
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170508
Creation Date: 5/9/2018 18:31:26
Receipt Date: 20170511
Manifest ID: 009156050FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0075
Waste Quantity: 15
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170508
Creation Date: 5/9/2018 18:31:26
Receipt Date: 20170511
Manifest ID: 009156050FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.008
Waste Quantity: 16
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2014
Gen EPA ID: CAL000390933

Shipment Date: 20141208
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 007228170FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0385
Waste Quantity: 77
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141208
Creation Date: 2/24/2015 22:15:05
Receipt Date: 20141212
Manifest ID: 007228170FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.009
Waste Quantity: 18
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141208
Creation Date: 2/24/2015 22:15:05
Receipt Date: 20141212
Manifest ID: 007228170FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0125
Waste Quantity: 25
Quantity Unit: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141208
Creation Date: 2/24/2015 22:15:05
Receipt Date: 20141212
Manifest ID: 007228170FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0055
Waste Quantity: 11
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141208
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 007228170FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0265
Waste Quantity: 53
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141208

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Creation Date: 2/24/2015 22:15:05
Receipt Date: 20141212
Manifest ID: 007228170FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0045
Waste Quantity: 9
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141020
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 007196563FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: CAD982523433
TSDf EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.003
Waste Quantity: 6
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141020
Creation Date: 12/26/2014 22:14:59
Receipt Date: 20141022
Manifest ID: 007196563FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0305
Waste Quantity: 61
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141020
Creation Date: 12/26/2014 22:14:59
Receipt Date: 20141022
Manifest ID: 007196563FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0585
Waste Quantity: 117
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141020
Creation Date: 12/26/2014 22:14:59
Receipt Date: 20141022
Manifest ID: 007196563FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0085
Waste Quantity: 17
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: DOLLAR TREE #03447
Address: 8126 SHELDON RD
City,State,Zip: ELK GROVE, CA 95758
Site ID: 25850
CERS ID: 10467889
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: 22 CCR 12 66262.40(c) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(c)

Violation Description: Failure to determine if the waste generated is a hazardous waste and to maintain analysis results for three years.
Violation Notes: Returned to compliance on 04/23/2014. OBSERVATION: Before November 2013, the facility failed to do a proper waste determination and hazardous waste was disposed of in the trash and sewer (unauthorized locations). During the inspection, several waste items were mis-characterized and placed in the incorrect hazardous waste accumulation container (ex. Ajax with bleach placed in hazardous waste corrosives base container. The Dollar Tree hazardous materials handling and processing training guide states that bathroom cleaners with bleach should be placed in the 'Oxidizer-Ox' container).
CORRECTIVE ACTION: Submit employee training documentation demonstrating that the employees responsible for the hazardous waste accumulation area are familiar with proper hazardous waste determination.

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: 40 CFR 1 265.172 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.172

Violation Description: Failure to accumulate or store hazardous waste in a lined/compatible container.
Violation Notes: Returned to compliance on 04/23/2014. OBSERVATION: Six cardboard boxes containing hazardous waste (liquid wastes observed in the the boxes) are being used as overflow containers for hazardous waste because the facility does not have enough suitable hazardous waste containers.
CORRECTIVE ACTION: Submit photos to this department demonstrating the hazardous wastes have been transferred into suitable containers.
Violation Division: Sacramento County Env Management Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Violation Program: HW
Violation Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)

Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Violation Notes: Returned to compliance on 04/10/2014. OBSERVATION: An incomplete HMBP (see violations Q354 & Q355) was submitted November 21, 2013. CORRECTIVE ACTION: Revise and submit an HMBP electronically in this department's e-Reporting Portal or in the California Environmental Reporting System and implement immediately. Notify me when the revised HMBP is submitted.

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31

Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..

Violation Notes: Returned to compliance on 04/23/2014. OBSERVATION: Free standing liquid was observed in the hazardous waste 'State Regulated, Toxics, OTC Pharmaceuticals & Universal Waste' container. CORRECTIVE ACTION: Submit photos/documentation to this department demonstrating the spill has been properly removed and managed.

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 02-24-2017
Citation: 22 CCR 12 66262.42(a), (b), (d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.42(a), (b), (d)

Violation Description: Failure to determine the status of any hazardous waste if a signed copy of the manifest isnG t received within 35 days of the date the waste was accepted by the initial transporter and/or to submit an Exception Report to DTSC if a signed copy of the manifest isnG t received within 45 days of the date the waste was accepted by the initial transporter.

Violation Notes: Returned to compliance on 03/06/2017. OBSERVATION: The final signed copy of manifest 008664564FLE dated 12/7/2016 was not available for review. An Exception Report was not submitted to the California Department of Toxic Substances Control for 008664564FLE dated 12/7/2016. CORRECTIVE ACTION: Either locate a copy of the missing manifests or prepare and submit an exception report to DTSC. Submit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

copies to this department.
Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)
Violation Description: Failure to properly dispose of hazardous waste at an authorized location.
Violation Notes: Returned to compliance on 04/23/2014. OBSERVATION: Before November 2013, facility failed to do a proper waste determination and hazardous waste was disposed of to the trash and sewer (unauthorized locations). CORRECTIVE ACTION: Submit a copy of the hazardous waste manifest after your first pickup demonstrating your hazardous wastes are being properly disposed of.

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: HSC 6.5 25163(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25163(a)
Violation Description: Failure to use a registered hazardous waste hauler to transport hazardous waste.
Violation Notes: Returned to compliance on 04/23/2014. OBSERVATION: Before November 2013, facility failed to do a proper waste determination and hazardous waste was disposed of to the trash and sewer (unauthorized locations). CORRECTIVE ACTION: Submit a copy of the hazardous waste manifest after your first pickup demonstrating your hazardous wastes are being transported by a registered hazardous waste transporter.

Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 06/10/2014. OBSERVATION: The training program for safe handling of hazardous materials has not been adequately implemented as demonstrated by the facility being unaware and not having access to Safety Data Sheets (SDS) for the hazardous materials that are handled in the store. CORRECTIVE ACTION: Submit a statement to this department demonstrating the facility has access to SDS for hazardous materials handled in the store.

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/21/2014. OBSERVATION: The HMBP is not accessible. CORRECTIVE ACTION: A copy was provided to Jeff Lawley at the time of the inspection. No further action is required.
Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: 22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Description: Failure to prepare a hazardous waste manifest for the transport of a hazardous waste for off-site transfer, treatment, storage, or disposal.
Violation Notes: Returned to compliance on 04/23/2014. OBSERVATION: Before November 2013, facility failed to do a proper waste determination and hazardous waste was disposed of to the trash and sewer (unauthorized locations). CORRECTIVE ACTION: Submit a copy of the hazardous waste manifest after your first pickup demonstrating your hazardous wastes are being properly documented on a Uniform Hazardous Waste Manifest.
Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Returned to compliance on 04/22/2014. OBSERVATION: Employees are not thoroughly familiar with proper waste handling and emergency procedures as demonstrated by the number and type of hazardous waste violations observed at the time of inspection. CORRECTIVE ACTION: Submit documentation to this department demonstrating that employees have been properly trained.
Violation Division: Sacramento County Env Management Department
Violation Program: HW
Violation Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 04/10/2014. OBSERVATION: The annotated site map submitted to this department does not include the hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

storage area, north facing arrow, adjacent streets, storm or sewer drains (if applicable), emergency shutoffs, evacuation staging area, and locations of emergency response equipment. **CORRECTIVE ACTION:** Revise the annotated Site Map to include all required content and submit electronically in this department's e-Reporting Portal or in the California Environmental Reporting System. Notify me when the revised HMBP is submitted.

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Violation Date: 03-21-2014
Citation: HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)

Violation Description: Failure to include adequate emergency response procedures in the business plan for a release or threatened release.

Violation Notes: Returned to compliance on 04/10/2014. **OBSERVATION:** The emergency response plan and procedures submitted to this department did not indicate a location for the Hazardous Materials/Waste Storage Area in the 'Earthquake Vulnerability' section. **CORRECTIVE ACTION:** Revise the emergency response plan and procedures to include all required content and submit electronically in this department's e-Reporting Portal or in the California Environmental Reporting System. Notify me when the revised HMBP is submitted.

Violation Division: Sacramento County Env Management Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations observed today.
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations observed today
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sacramento County Env Management Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 25850
Site Name: Dollar Tree #03447
Site Address: 8126 SHELDON RD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 03-21-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Enf Action Source: CERS

Site ID: 25850
Site Name: Dollar Tree #03447
Site Address: 8126 SHELDON RD
Site City: ELK GROVE
Site Zip: 95758
Enf Action Date: 06-30-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Sacramento County Env Management Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 25850
Facility Name: Dollar Tree #03447
Env Int Type Code: HWG
Program ID: 10467889
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.436510
Longitude: -121.407700

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Dollar Tree Stores, Inc
Entity Title: Not reported
Affiliation Address: 500 Volvo Pkwy
Affiliation City: Chesapeake
Affiliation State: VA
Affiliation Country: United States
Affiliation Zip: 23320
Affiliation Phone: (757) 321-5000

Affiliation Type Desc: Environmental Contact
Entity Name: Stephanie Caiati
Entity Title: Not reported
Affiliation Address: 500 Volvo Pkwy
Affiliation City: Chesapeake
Affiliation State: VA
Affiliation Country: Not reported
Affiliation Zip: 23320
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 500 Volvo Pkwy
Affiliation City: Chesapeake
Affiliation State: VA
Affiliation Country: Not reported
Affiliation Zip: 23320
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Affiliation Type Desc: CUPA District
Entity Name: Sacramento County Environmental Management Departm
Entity Title: Not reported
Affiliation Address: 10590 Armstrong Avenue, Suite A
Affiliation City: Sacramento
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95655
Affiliation Phone: (916) 875-8550

Affiliation Type Desc: Identification Signer
Entity Name: Angela Jones
Entity Title: EH&S Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Laguna French, LLC c/o Fairway Management
Entity Title: Not reported
Affiliation Address: 20085 Fairway Court
Affiliation City: Woodbridge
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95258
Affiliation Phone: (209) 334-3113

Affiliation Type Desc: Document Preparer
Entity Name: Angela Jones
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Dollar Tree Stores, Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (757) 321-5000

Affiliation Type Desc: Parent Corporation
Entity Name: Dollar Tree Stores, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

S118234286

Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:

Name: DOLLAR TREE #03447
Address: 8126 SHELDON RD
Address 2: Not reported
City,State,Zip: ELK GROVE, CA 957585928
EPA ID: CAL000390933
Inactive Date: Not reported
Create Date: 11/06/2013
Last Act Date: 09/10/2019
Mailing Name: Not reported
Mailing Address: 500 VOLVO PKWY
Mailing Address 2: Not reported
Mailing City,State,Zip: CHESAPEAKE, VA 233201604
Owner Name: DOLLAR TREE STORES, INC.
Owner Address: 500 VOLVO PKWY
Owner Address 2: Not reported
Owner City,State,Zip: CHESAPEAKE, VA 233201604
Contact Name: ANGELA JONES
Contact Address: 500 VOLVO PKWY
Contact Address 2: Not reported
City,State,Zip: CHESAPEAKE, VA 233201604

NAICS:

EPA ID: CAL000390933
Create Date: 2013-11-06 11:22:14
NAICS Code: 45299
NAICS Description: All Other General Merchandise Stores
Issued EPA ID Date: 2013-11-06 11:22:14
Inactive Date: Not reported
Facility Name: DOLLAR TREE #03447
Facility Address: 8126 SHELDON RD
Facility Address 2: Not reported
Facility City: ELK GROVE
Facility County: 34
Facility State: CA
Facility Zip: 957585928

G23
SW
1/8-1/4
0.195 mi.
1032 ft.

DOLLAR TREE #03447
8126 SHELDON RD
ELK GROVE, CA 95758

RCRA NonGen / NLR 1024841301
N/A

Site 3 of 4 in cluster G

Relative:
Lower
Actual:
27 ft.

RCRA NonGen / NLR:
Date form received by agency: 2013-11-06 00:00:00.0
Facility name: DOLLAR TREE #03447
Facility address: 8126 SHELDON RD
ELK GROVE, CA 95758-5928
EPA ID: CAL000390933
Mailing address: 500 VOLVO PKWY
CHESAPEAKE, VA 23320-1604
Contact: ANGELA JONES
Contact address: 500 VOLVO PKWY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #03447 (Continued)

1024841301

CHESAPEAKE, VA 23320-1604
Contact country: Not reported
Contact telephone: 757-321-5761
Contact email: AJONES@DOLLARTREE.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: DOLLAR TREE STORES, INC.
Owner/operator address: 500 VOLVO PKWY
CHESAPEAKE, VA 23320
Owner/operator country: Not reported
Owner/operator telephone: 757-321-5000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ANGELA JONES
Owner/operator address: 500 VOLVO PKWY
CHESAPEAKE, VA 23320
Owner/operator country: Not reported
Owner/operator telephone: 757-321-5761
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G24
SW
1/8-1/4
0.235 mi.
1242 ft.

FRESH CLEANERS SHELDON
8112 SHELDON RD STE 800
ELK GROVE, CA 95758

Site 4 of 4 in cluster G

HWTS
Sacramento Co. ML
DRYCLEANERS

S108276956
N/A

Relative:
Lower
Actual:
27 ft.

DRYCLEANERS:

Name: FRESH CLEANERS SHELDON
Address: 8112 SHELDON RD STE 800
City,State,Zip: ELK GROVE, CA 957585914
EPA Id: CAL000317867
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 03/23/2007
Facility Active: No
Inactive Date: 06/30/2008
Facility Addr2: Not reported
Owner Name: JOHN KIM
Owner Address: 5036 BREESE CIR
Owner Address 2: Not reported
Owner Telephone: 9166916760
Contact Name: JOHN KIM
Contact Address: 8112 SHELDON RD STE 800
Contact Address 2: Not reported
Contact Telephone: 9166916760
Mailing Name: Not reported
Mailing Address 1: 8112 SHELDON RD STE 800
Mailing Address 2: Not reported
Mailing City: ELK GROVE
Mailing State: CA
Mailing Zip: 957585914
Owner Fax: Not reported
Region Code: 1

Name: FRESH & SAVE CLEANERS
Address: 8112 SHELDON RD STE 800
City,State,Zip: ELK GROVE, CA 957585914
EPA Id: CAL000355847
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 08/16/2010
Facility Active: No
Inactive Date: 06/30/2011
Facility Addr2: Not reported
Owner Name: MANDEEP BHANDAL
Owner Address: 8112 SHELDON RD STE 800
Owner Address 2: Not reported
Owner Telephone: 9166836800
Contact Name: MANDEEP BHANDAL
Contact Address: 8112 SHELDON RD STE 800
Contact Address 2: Not reported
Contact Telephone: 9166836800
Mailing Name: Not reported
Mailing Address 1: 8112 SHELDON RD STE 800
Mailing Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRESH CLEANERS SHELDON (Continued)

S108276956

Mailing City: ELK GROVE
Mailing State: CA
Mailing Zip: 957585914
Owner Fax: 9166835800
Region Code: 1

Sacramento Co. ML:

Name: FRESH & SAVE CLEANERS
Address: 8112 SHELDON RD STE 800
City,State,Zip: ELK GROVE, CA 95758
Facility Id: Not reported
Facility Status: Not reported
FD: Not reported
Billing Codes BP: I
Billing Codes UST: Not reported
WG Bill Code: I
Target Property Bill Cod: Not reported
Food Bill Code: Not reported
CUPA Permit Date: Not reported
HAZMAT Permit Date: Not reported
HAZMAT Inspection Date: Not reported
Hazmat Date BP Received: Not reported
UST Permit Dt: Not reported
UST Inspection Date: Not reported
UST Tank Test Date: Not reported
Number of Tanks: Not reported
UST Tank Test Date: Not reported
SIC Code: Not reported
Tier Permitting: Not reported
AST Bill Code: Not reported
CALARP Bill Code: Not reported

HWTS:

Name: FRESH CLEANERS SHELDON
Address: 8112 SHELDON RD STE 800
Address 2: Not reported
City,State,Zip: ELK GROVE, CA 957585914
EPA ID: CAL000317867
Inactive Date: 06/30/2008
Create Date: 03/23/2007
Last Act Date: 04/23/2009
Mailing Name: Not reported
Mailing Address: 8112 SHELDON RD STE 800
Mailing Address 2: Not reported
Mailing City,State,Zip: ELK GROVE, CA 957585914
Owner Name: JOHN KIM
Owner Address: 5036 BREESE CIR
Owner Address 2: Not reported
Owner City,State,Zip: EL DORADO HILLS, CA 957627706
Contact Name: JOHN KIM
Contact Address: 8112 SHELDON RD STE 800
Contact Address 2: Not reported
City,State,Zip: ELK GROVE, CA 957580000

NAICS:

EPA ID: CAL000317867
Create Date: 2007-03-23 14:18:06

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRESH CLEANERS SHELDON (Continued)

S108276956

NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date: 2007-03-23 14:18:06
Inactive Date: 2008-06-30 00:00:00
Facility Name: FRESH CLEANERS SHELDON
Facility Address: 8112 SHELDON RD STE 800
Facility Address 2: Not reported
Facility City: ELK GROVE
Facility County: 34
Facility State: CA
Facility Zip: 957585914

Name: FRESH & SAVE CLEANERS
Address: 8112 SHELDON RD STE 800
Address 2: Not reported
City,State,Zip: ELK GROVE, CA 957585914
EPA ID: CAL000355847
Inactive Date: 06/30/2011
Create Date: 08/16/2010
Last Act Date: 03/22/2012
Mailing Name: Not reported
Mailing Address: 8112 SHELDON RD STE 800
Mailing Address 2: Not reported
Mailing City,State,Zip: ELK GROVE, CA 957585914
Owner Name: MANDEEP BHANDAL
Owner Address: 8112 SHELDON RD STE 800
Owner Address 2: Not reported
Owner City,State,Zip: ELK GROVE, CA 957585914
Contact Name: MANDEEP BHANDAL
Contact Address: 8112 SHELDON RD STE 800
Contact Address 2: Not reported
City,State,Zip: ELK GROVE, CA 957585914

NAICS:

EPA ID: CAL000355847
Create Date: 2010-08-16 13:28:40
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date: 2010-08-16 13:28:40
Inactive Date: 2011-06-30 00:00:00
Facility Name: FRESH & SAVE CLEANERS
Facility Address: 8112 SHELDON RD STE 800
Facility Address 2: Not reported
Facility City: ELK GROVE
Facility County: 34
Facility State: CA
Facility Zip: 957585914

MAP FINDINGS

Map ID
 Direction
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 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

H25 **CENTURY EQUIPMENT**
East **8821 STOCKTON**
1/4-1/2 **ELK GROVE, CA 95624**
0.353 mi.
1865 ft. **Site 1 of 2 in cluster H**

HIST CORTESE **S103708239**
 CERS **N/A**
 LUST
 Cortese
Sacramento Co. ML

Relative:
Higher
Actual:
35 ft.

LUST REG 5:
 Name: CENTURY EQUIPMENT
 Address: 8821 STOCKTON BLVD E
 City: ELK GROVE
 Region: 5
 Status: Case Closed
 Case Number: 341147
 Case Type: Undefined
 Substance: GASOLINE
 Staff Initials: VJF
 Lead Agency: Local
 Program: LUST
 MTBE Code: N/A

LUST:
 Name: CENTURY EQUIPMENT
 Address: 8821 STOCKTON BLVD E
 City,State,Zip: ELK GROVE, CA 95624
 Lead Agency: SACRAMENTO COUNTY LOP
 Case Type: LUST Cleanup Site
 Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606700972
 Global Id: T0606700972
 Latitude: 38.4371409
 Longitude: -121.399887
 Status: Completed - Case Closed
 Status Date: 07/26/2000
 Case Worker: Not reported
 RB Case Number: 341147
 Local Agency: Not reported
 File Location: Not reported
 Local Case Number: C594
 Potential Media Affect: Under Investigation
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

LUST:
 Global Id: T0606700972
 Contact Type: Regional Board Caseworker
 Contact Name: VERA FISCHER
 Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
 Address: 11020 SUN CENTER DRIVE #200
 City: RANCHO CORDOVA
 Email: vera.fischer@waterboards.ca.gov
 Phone Number: Not reported

LUST:
 Global Id: T0606700972
 Action Type: Other
 Date: 09/18/1997
 Action: Leak Discovery

Global Id: T0606700972
 Action Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY EQUIPMENT (Continued)

S103708239

Date: 01/02/1965
Action: Leak Reported

LUST:

Global Id: T0606700972
Status: Open - Case Begin Date
Status Date: 09/18/1997

Global Id: T0606700972
Status: Open - Site Assessment
Status Date: 09/18/1997

Global Id: T0606700972
Status: Completed - Case Closed
Status Date: 07/26/2000

CORTESE:

Name: CENTURY EQUIPMENT
Address: 8821 STOCKTON BLVD E
City,State,Zip: ELK GROVE, CA 95624
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0606700972
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: CENTURY EQUIPMENT
edr_fadd1: 8821 STOCKTON
City,State,Zip: ELK GROVE, CA 95624
Region: CORTESE
Facility County Code: 34
Reg By: LTNKA
Reg Id: 341147

Sacramento Co. ML:

Name: MOSIER IMPLEMENT
Address: 8821 STOCKTON BL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTURY EQUIPMENT (Continued)

S103708239

City,State,Zip: ELK GROVE, CA 95624
Facility Id: G0151587
Facility Status: Inactive. Included on a listing no longer updated.
FD: G
Billing Codes BP: Out of Business
Billing Codes UST: No Tanks
WG Bill Code: Oil Changed by Outside Company-No Fee
Target Property Bill Cod: 51
Food Bill Code: 51
CUPA Permit Date: Not reported
HAZMAT Permit Date: 02/01/1989
HAZMAT Inspection Date: 01/06/1997
Hazmat Date BP Received: Not reported
UST Permit Dt: 01/27/1988
UST Inspection Date: 11/05/1991
UST Tank Test Date: 07/12/1993
Number of Tanks: 2
UST Tank Test Date: 01/06/1997
SIC Code: 5083
Tier Permitting: Not reported
AST Bill Code: Not reported
CALARP Bill Code: Not reported

CERS:

Name: CENTURY EQUIPMENT
Address: 8821 STOCKTON BLVD E
City,State,Zip: ELK GROVE, CA 95624
Site ID: 246700
CERS ID: T0606700972
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VERA FISCHER - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not reported
Affiliation Address: 11020 SUN CENTER DRIVE #200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

H26
East
1/4-1/2
0.353 mi.
1865 ft.

STOCKMEN SUPPLY CO
8821 E STOCKTON BLVD
ELK GROVE, CA 95624
Site 2 of 2 in cluster H

Sacramento Co. CS S103959844
Sacramento Co. ML N/A

Relative:
Higher
Actual:
35 ft.

Sacramento Co. CS:
Name: CENTURY EQUIPMENT
Address: 8821 E STOCKTON BLVD
City,State,Zip: ELK GROVE, CA
State Site Number: C594
Lead Staff: Marcus, B.
Lead Agency: HM
Remedial Action Taken: NO
Substance: Automotive(motor gasoline and additives)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STOCKMEN SUPPLY CO (Continued)

S103959844

Date Reported: 10/09/1997
Facility Id: RO0001087
Case Type: Soil only
Case Closed: Y
Date Closed: 07/26/2000
Case Type: Soil only affected
Substance: Automotive(motor gasoline and additives)

Sacramento Co. ML:

Name: STOCKMEN SUPPLY CO
Address: 8821 E STOCKTON BLVD
City,State,Zip: ELK GROVE, CA 95624
Facility Id: Not reported
Facility Status: Not reported
FD: Not reported
Billing Codes BP: I
Billing Codes UST: Not reported
WG Bill Code: I
Target Property Bill Cod: Not reported
Food Bill Code: Not reported
CUPA Permit Date: Not reported
HAZMAT Permit Date: Not reported
HAZMAT Inspection Date: Not reported
Hazmat Date BP Received: Not reported
UST Permit Dt: Not reported
UST Inspection Date: Not reported
UST Tank Test Date: Not reported
Number of Tanks: Not reported
UST Tank Test Date: Not reported
SIC Code: Not reported
Tier Permitting: Not reported
AST Bill Code: Not reported
CALARP Bill Code: Not reported

27
East
1/2-1
0.543 mi.
2868 ft.

OBIE'S DUMP
8437 SHELDON ROAD
ELK GROVE, CA 95624

ENVIROSTOR S106707862
CPS-SLIC N/A
VCP
LIENS

Relative:
Higher
Actual:
35 ft.

ENVIROSTOR:

Name: OBIE'S DUMP
Address: 8437 SHELDON ROAD
City,State,Zip: ELK GROVE, CA 95624
Facility ID: 60001365
Status: Inactive - Needs Evaluation
Status Date: 11/24/2014
Site Code: 101726
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1.5
NPL: NO
Regulatory Agencies: SMBRP, IWMB, SACRAMENTO COUNTY
Lead Agency: SMBRP
Program Manager: Mckinley Lewis Jr.
Supervisor: William Beckman
Division Branch: Cleanup Sacramento

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OBIE'S DUMP (Continued)

S106707862

Assembly: 09
Senate: 06
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 38.44098
Longitude: -121.3960
APN: NONE SPECIFIED
Past Use: LDF, LANDFILL - CONSTRUCTION
Potential COC: Lead
Confirmed COC: Lead
Potential Description: OTH, SOIL
Alias Name: SL0606728284
Alias Type: GeoTracker Global ID
Alias Name: 101726
Alias Type: Project Code (Site Code)
Alias Name: 60001365
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 08/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/28/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 02/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 01/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/01/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 04/08/2004
Comments: Completed application.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OBIE'S DUMP (Continued)

S106707862

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/09/2012
Comments: Report received. No response letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/16/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/13/2004
Comments: Agreement signed by property owner.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 10/09/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 05/30/2012
Comments: Third and final demand letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/04/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Form 1479 - Site and Collections Summary
Completed Date: 12/13/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 11/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/18/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OBIE'S DUMP (Continued)

S106707862

Comments: Signed Pre-HARP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/04/2014
Comments: Mr. Pino is notified of our decision to update the property's status to "Inactive-Action Required".

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 05/17/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 09/12/2018
Comments: 2nd demand letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/06/2018
Comments: 2018 Collection letter #1

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OBIE'S DUMP (Continued)

S106707862

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC REG 5:

Name: Obie's Dump**
Address: 8437 Sheldon Rd
City: Elk Grove
Region: 5
Facility Status: Preliminary Assessment
Unit: Facility is a Spill or site
Pollutant: Pb, Zn
Lead Agency: DTSC
Date Filed: 08/24/04
Report Date: / /
Date Added: 10/13/2004
Date Closed: Not reported

CPS-SLIC:

Name: OBIE'S DUMP
Address: 8437 SHELDON ROAD
City,State,Zip: ELK GROVE, CA
Region: STATE
Facility Status: Open - Inactive
Status Date: 09/02/2004
Global Id: SL0606728284
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 60001365
Latitude: 38.438102
Longitude: -121.393418
Case Type: Cleanup Program Site
Case Worker: JLT
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number: Not reported
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Lead
Site History: DTSC is lead agency. Trenching and sampling was conducted and reported in 2003. The results show lead is above screening levels in soil.

[Click here to access the California GeoTracker records for this facility:](#)

VCP:

Name: OBIE'S DUMP
Address: 8437 SHELDON ROAD
City,State,Zip: ELK GROVE, CA 95624
Facility ID: 60001365
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, IWMB, SACRAMENTO COUNTY
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OBIE'S DUMP (Continued)

S106707862

Project Manager: Mckinley Lewis Jr.
Supervisor: William Beckman
Division Branch: Cleanup Sacramento
Site Code: 101726
Assembly: 09
Senate: 06
Special Programs Code: Voluntary Cleanup Program
Status: Inactive - Needs Evaluation
Status Date: 11/24/2014
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 38.44098 / -121.3960
APN: NONE SPECIFIED
Past Use: LDF, LANDFILL - CONSTRUCTION
Potential COC: 30013
Confirmed COC: 30013
Potential Description: OTH, SOIL
Alias Name: SL0606728284
Alias Type: GeoTracker Global ID
Alias Name: 101726
Alias Type: Project Code (Site Code)
Alias Name: 60001365
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 08/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/28/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 02/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 01/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/01/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OBIE'S DUMP (Continued)

S106707862

Completed Date: 04/08/2004
Comments: Completed application.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/09/2012
Comments: Report received. No response letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/16/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/13/2004
Comments: Agreement signed by property owner.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 10/09/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 05/30/2012
Comments: Third and final demand letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/04/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Form 1479 - Site and Collections Summary
Completed Date: 12/13/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 11/18/2014
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OBIE'S DUMP (Continued)

S106707862

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/18/2014
Comments: Signed Pre-HARP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/04/2014
Comments: Mr. Pino is notified of our decision to update the property's status to "Inactive-Action Required".

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 05/17/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 09/12/2018
Comments: 2nd demand letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/06/2018
Comments: 2018 Collection letter #1

Future Area Name: Not reported
Future Sub Area Name: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

OBIE'S DUMP (Continued)

S106707862

Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

LIENS:

Name: OBIE'S DUMP
 City,State,Zip: ELK GROVE, CA 95624
 Envirostor Id: 60001365
 Latitude: 38.440985
 Longitude: -121.39609
 Project Mgr: MCKINLEY LEWIS JR.
 Project Code: 101726
 If Satisfied: NO
 Date Satisfied: Not reported
 Site Status: INACTIVE - NEEDS EVALUATION
 Site Type: VOLUNTARY CLEANUP
 Completed: 10/09/2013
 Lien Amount: \$21,887.54
 Amount Remaining: Not reported
 APNS: Not reported
 Description:

The Obie's Dump (Site) includes a portion of the property located at Sheldon Road, Elk Grove, Sacramento County, California 95624. The approximate 1.5 acre portion of the property was once an excavated area used as a "borrow site", landfill and burn dump known as Obie's Dump. The area is now a crescent shaped depression along the east boundary of the property. In a letter dated March 21, 1992, the SCEHD identified that the site was in noncompliance of the Mitigation Monitoring and Reporting Program. The SCEHD as the Local Enforcement Agency (LEA) is responsible for solid waste permitting, inspection, enforcement and the regulation of closed disposal sites. In subsequent complaints of illegal dumping of debris and household waste, the LEA inspected and issued a Notice of Violation to the property owner. At the request of the property owner and in anticipation of future development of the property, LEA staff agreed to provide regulatory oversight and guidance of the proposed Site investigation. With this oversight, the property owner completed an investigation work plan and conducted soil trenching and sampling. The results of the Site investigation are reported in the May 12, 2003, Landfill Characterization and Environmental Sampling Report. The results show that there is lead in soils above the California Code of Regulations Total Threshold Limit Concentration which defines a toxic characteristic hazardous waste.

28
 ENE
 1/2-1
 0.557 mi.
 2942 ft.

ARCADIAN VILLAGE ELEMENTARY SCHOOL SITE
SHELDON ROAD/POWER INN ROAD
ELK GROVE, CA 95624

ENVIROSTOR S118756770
SCH N/A

Relative:
Higher
Actual:
33 ft.

ENVIROSTOR:
 Name: ARCADIAN VILLAGE ELEMENTARY SCHOOL SITE
 Address: SHELDON ROAD/POWER INN ROAD
 City,State,Zip: ELK GROVE, CA 95624

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCADIAN VILLAGE ELEMENTARY SCHOOL SITE (Continued)

S118756770

Facility ID: 34010012
Status: No Action Required
Status Date: 11/16/2001
Site Code: 104239
Site Type: School Investigation
Site Type Detailed: School
Acres: 11
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Jose Salcedo
Division Branch: Northern California Schools & Santa Susana
Assembly: 09
Senate: 06
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 38.44226
Longitude: -121.3938
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: ARCADIAN VILLAGE ELEMENTARY SCHOOL SITE
Alias Type: Alternate Name
Alias Name: ELK GROVE UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: ELK GROVE USD-ARCADIAN VILLAGE ELEM
Alias Type: Alternate Name
Alias Name: 104239
Alias Type: Project Code (Site Code)
Alias Name: 34010012
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/16/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/16/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/16/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCADIAN VILLAGE ELEMENTARY SCHOOL SITE (Continued)

S118756770

Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 05/02/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: ARCADIAN VILLAGE ELEMENTARY SCHOOL SITE
Address: SHELDON ROAD/POWER INN ROAD
City,State,Zip: ELK GROVE, CA 95624
Facility ID: 34010012
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 11
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Jose Salcedo
Division Branch: Northern California Schools & Santa Susana
Site Code: 104239
Assembly: 09
Senate: 06
Special Program Status: Not reported
Status: No Action Required
Status Date: 11/16/2001
Restricted Use: NO
Funding: School District
Latitude: 38.44226
Longitude: -121.3938
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: ARCADIAN VILLAGE ELEMENTARY SCHOOL SITE
Alias Type: Alternate Name
Alias Name: ELK GROVE UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: ELK GROVE USD-ARCADIAN VILLAGE ELEM
Alias Type: Alternate Name
Alias Name: 104239
Alias Type: Project Code (Site Code)
Alias Name: 34010012
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCADIAN VILLAGE ELEMENTARY SCHOOL SITE (Continued)

S118756770

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/16/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/16/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/16/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 05/02/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 0 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
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 known 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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/27/2020
	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: 03/23/2020	Source: EPA
Date Data Arrived at EDR: 03/25/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

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: 05/15/2020	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2020	Telephone: 843-820-7326
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 05/14/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/24/2020
	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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/22/2020

Date Data Arrived at EDR: 03/24/2020

Date Made Active in Reports: 06/18/2020

Number of Days to Update: 86

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/22/2020

Next Scheduled EDR Contact: 10/05/2020

Data Release Frequency: Quarterly

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: 01/27/2020

Date Data Arrived at EDR: 01/28/2020

Date Made Active in Reports: 04/09/2020

Number of Days to Update: 72

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/28/2020

Next Scheduled EDR Contact: 08/10/2020

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 identifies 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: 01/27/2020

Date Data Arrived at EDR: 01/28/2020

Date Made Active in Reports: 04/09/2020

Number of Days to Update: 72

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/28/2020

Next Scheduled EDR Contact: 08/10/2020

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 inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/10/2020

Date Data Arrived at EDR: 02/11/2020

Date Made Active in Reports: 04/20/2020

Number of Days to Update: 69

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 05/12/2020

Next Scheduled EDR Contact: 08/24/2020

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

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: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: see region list
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/21/2020
	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	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

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	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	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	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 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 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 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

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: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/01/2019	Source: EPA, Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-7439
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/17/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/03/2020
	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: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-8677
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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: 10/04/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3372
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/03/2020
	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: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6271
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

CPS-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: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: No Update Planned

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: No Update Planned

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: 02/01/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 71

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/09/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/11/2020	Telephone: 916-327-7844
Date Made Active in Reports: 05/26/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 06/10/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/28/2020
	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: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6137
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/03/2020
	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: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-7591
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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: 10/11/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/04/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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: 10/01/2019	Source: EPA Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-6136
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	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: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-9424
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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: 10/04/2019	Source: EPA Region 9
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3368
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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: 10/01/2019	Source: EPA, Region 1
Date Data Arrived at EDR: 12/04/2019	Telephone: 617-918-1313
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/27/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

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: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields 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: 03/23/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/05/2020
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

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: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/28/2020
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/15/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 69

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/24/2020
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: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

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: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

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

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 Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/01/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/18/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/07/2020
	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	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	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: 01/27/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/28/2020	Telephone: 916-323-3400
Date Made Active in Reports: 04/09/2020	Last EDR Contact: 04/28/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/10/2020
	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: 12/31/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/05/2020	Telephone: 916-255-6504
Date Made Active in Reports: 04/15/2020	Last EDR Contact: 07/09/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/19/2020
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

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: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

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: 12/19/2019
Date Data Arrived at EDR: 12/23/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 60

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/11/2019
Number of Days to Update: 70

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/09/2020
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

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: 03/03/2020
Date Data Arrived at EDR: 03/05/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/02/2020	Source: DTSC and SWRCB
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-323-3400
Date Made Active in Reports: 05/13/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/14/2020
	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: 02/27/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/24/2020	Telephone: 202-366-4555
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/23/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

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: 03/31/2020	Source: Office of Emergency Services
Date Data Arrived at EDR: 04/21/2020	Telephone: 916-845-8400
Date Made Active in Reports: 07/09/2020	Last EDR Contact: 04/21/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Semi-Annually

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: 05/13/2020	Source: State Water Quality Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/21/2020
	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: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

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: 01/28/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/19/2020	Telephone: 202-528-4285
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/31/2020
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/09/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/19/2020
	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: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 07/06/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 10/19/2020
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/15/2020
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/24/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/24/2020	Telephone: 202-566-1917
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 05/04/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/17/2020
	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: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/08/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 08/17/2020
	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: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 06/17/2020
Number of Days to Update: 198	Next Scheduled EDR Contact: 09/28/2020
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 08/31/2020
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: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 09/14/2020
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: 11/05/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 149

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 08/03/2020
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/17/2020
	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: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 04/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/20/2020
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/19/2020
	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

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: 10/25/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/25/2019	Telephone: 301-415-7169
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 04/10/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 06/05/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/14/2020
	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: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 06/01/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/14/2020
	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: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/08/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 08/17/2020
	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: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 06/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/12/2020
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

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: 12/31/2019
Date Data Arrived at EDR: 01/17/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/17/2020
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
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 1931 and 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: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
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: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/31/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 50

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/11/2020
Date Data Arrived at EDR: 02/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 86

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
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: 01/16/2018
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/22/2020
Number of Days to Update: 84

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/07/2020
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: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
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: 03/05/2020
Date Data Arrived at EDR: 03/06/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/19/2020
Next Scheduled EDR Contact: 09/21/2020
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: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/07/2020	Telephone: 202-564-2280
Date Made Active in Reports: 06/26/2020	Last EDR Contact: 07/02/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 07/09/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 10/26/2020
	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: 02/18/2020	Source: EPA
Date Data Arrived at EDR: 02/19/2020	Telephone: 800-385-6164
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 05/19/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/31/2020
	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	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	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: 03/23/2020	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/24/2020	Telephone: 916-323-3400
Date Made Active in Reports: 06/05/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/03/2020	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 02/04/2020	Telephone: 415-252-3896
Date Made Active in Reports: 04/09/2020	Last EDR Contact: 04/23/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

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: 12/04/2019
Date Data Arrived at EDR: 01/29/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 71

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/27/2020
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 69

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/25/2020
Date Data Arrived at EDR: 03/26/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/16/2020
Next Scheduled EDR Contact: 09/28/2020
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: 04/03/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/19/2020	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 02/20/2020	Telephone: 916-341-6066
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 04/29/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 08/24/2020
	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: 12/31/2019	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 04/15/2020	Telephone: 916-255-1136
Date Made Active in Reports: 07/02/2020	Last EDR Contact: 07/06/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/19/2020	Telephone: 877-786-9427
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/31/2020
	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	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: 02/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/19/2020	Telephone: 916-323-3400
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/31/2020
	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: 04/06/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/08/2020	Telephone: 916-440-7145
Date Made Active in Reports: 06/26/2020	Last EDR Contact: 07/07/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-322-1080
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

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: 02/12/2020	Source: Department of Public Health
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-558-1784
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/10/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/11/2020	Telephone: 916-445-9379
Date Made Active in Reports: 04/20/2020	Last EDR Contact: 05/12/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 08/24/2020
	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: 03/02/2020	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-445-4038
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-323-3836
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/21/2020
	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: 03/12/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/13/2020	Telephone: 916-445-3846
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/10/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/28/2020
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-445-2408
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 05/13/2020	Source: State Water Resource Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/21/2020
	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 boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 01/07/2020	Telephone: 559-445-5577
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 07/09/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 05/07/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: No Update Planned

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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 06/17/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 04/09/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/29/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 07/01/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/08/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

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 Historical Auto 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 Historical 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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:

CS ALAMEDA: 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: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/06/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/01/2020
Number of Days to Update: 13

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 03/27/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/01/2020
Date Data Arrived at EDR: 04/20/2020
Date Made Active in Reports: 07/06/2020
Number of Days to Update: 77

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 04/16/2020
Date Data Arrived at EDR: 04/20/2020
Date Made Active in Reports: 07/08/2020
Number of Days to Update: 79

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/03/2020
Date Made Active in Reports: 03/05/2020
Number of Days to Update: 62

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: 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: 01/10/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 05/19/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 26

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: 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: 02/13/2020
Date Data Arrived at EDR: 02/14/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 70

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 01/15/2020
Date Data Arrived at EDR: 01/16/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 76

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

LASSEN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 69

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

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: N/A
Telephone: N/A
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/26/2020
Date Data Arrived at EDR: 03/26/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 81

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/13/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/14/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 04/17/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/25/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/25/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/25/2020	Source: Community Health Services
Date Data Arrived at EDR: 04/14/2020	Telephone: 323-890-7806
Date Made Active in Reports: 07/01/2020	Last EDR Contact: 04/14/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 07/08/2020
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 04/09/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/30/2019	Telephone: 310-618-2973
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 04/09/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: 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: 02/24/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 02/25/2020	Telephone: 559-675-7823
Date Made Active in Reports: 05/07/2020	Last EDR Contact: 05/07/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 06/24/2020
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/18/2019	Source: Merced County Environmental Health
Date Data Arrived at EDR: 11/20/2019	Telephone: 209-381-1094
Date Made Active in Reports: 01/03/2020	Last EDR Contact: 05/06/2020
Number of Days to Update: 44	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/21/2020	Source: Mono County Health Department
Date Data Arrived at EDR: 03/05/2020	Telephone: 760-932-5580
Date Made Active in Reports: 05/13/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 62

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: 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: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 02/05/2020
Date Data Arrived at EDR: 02/06/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 69

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST ORANGE: List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/04/2020
Date Made Active in Reports: 04/10/2020
Number of Days to Update: 66

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/05/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/10/2020
Date Data Arrived at EDR: 03/11/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 70

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 03/10/2020
Date Data Arrived at EDR: 03/11/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 70

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

ML SACRAMENTO: 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: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 02/12/2020
Date Data Arrived at EDR: 02/13/2020
Date Made Active in Reports: 04/23/2020
Number of Days to Update: 70

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: 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: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 71

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: 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: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

SAN DIEGO CO SAM: 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: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversight 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: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 01/08/2020
Date Data Arrived at EDR: 01/09/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 57

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/12/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: 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: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 02/14/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 65

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

HIST LUST SANTA CLARA: 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST SANTA CLARA: 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: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 04/22/2020
Date Data Arrived at EDR: 04/24/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 13

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: 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: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/26/2020
Next Scheduled EDR Contact: 09/13/2020
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/04/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 71

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/23/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

SONOMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 03/11/2020
Number of Days to Update: 14

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 04/08/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 79

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/04/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/23/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/08/2020
Number of Days to Update: 66

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 03/16/2020
Date Data Arrived at EDR: 03/17/2020
Date Made Active in Reports: 05/26/2020
Number of Days to Update: 70

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 02/10/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/20/2020
Number of Days to Update: 69

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: 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: 03/26/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/09/2020
Number of Days to Update: 77

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

LF VENTURA: 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: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: No Update Planned

LUST VENTURA: 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: 04/29/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MED WASTE VENTURA: 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: 03/26/2020	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 04/23/2020	Telephone: 805-654-2813
Date Made Active in Reports: 07/09/2020	Last EDR Contact: 04/20/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 01/27/2020	Source: Environmental Health Division
Date Data Arrived at EDR: 03/10/2020	Telephone: 805-654-2813
Date Made Active in Reports: 05/20/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/23/2020	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/01/2020	Telephone: 530-666-8646
Date Made Active in Reports: 06/17/2020	Last EDR Contact: 06/24/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 01/27/2020	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 02/12/2020	Telephone: 530-749-7523
Date Made Active in Reports: 04/23/2020	Last EDR Contact: 04/16/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 08/10/2020
	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: 01/30/2020	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 01/30/2020	Telephone: 860-424-3375
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 05/12/2020
Number of Days to Update: 39	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
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: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/04/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

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 Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 and Wildlife

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

MAVERIK - ELK GROVE, CA
NWC OF SHELDON RD & W STOCKTON BLVD
ELK GROVE, CA 95758

TARGET PROPERTY COORDINATES

Latitude (North):	38.439113 - 38° 26' 20.81"
Longitude (West):	121.404238 - 121° 24' 15.26"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	639271.8
UTM Y (Meters):	4255536.5
Elevation:	31 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5619710 FLORIN, 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 principle 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).

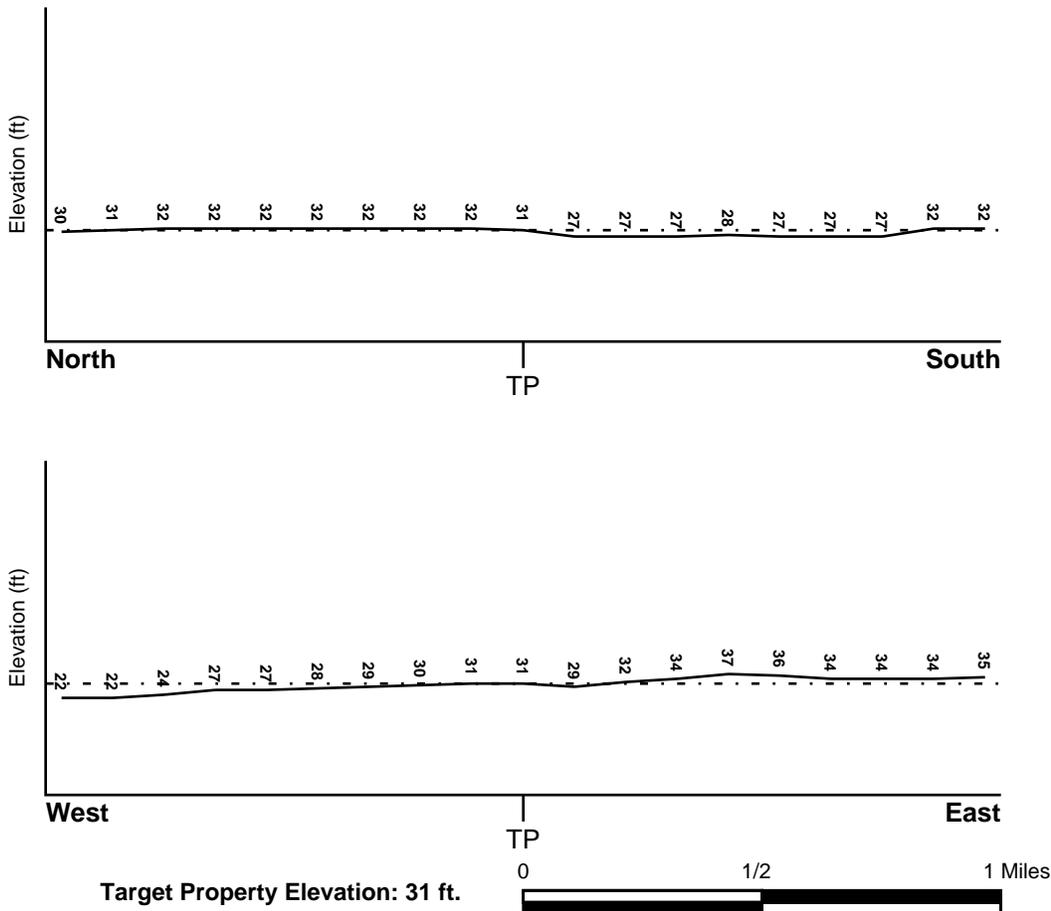
TOPOGRAPHIC INFORMATION

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 SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06067C0309H	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06067C0308H	FEMA FIRM Flood data
06067C0316H	FEMA FIRM Flood data
06067C0317H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
FLORIN	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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

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

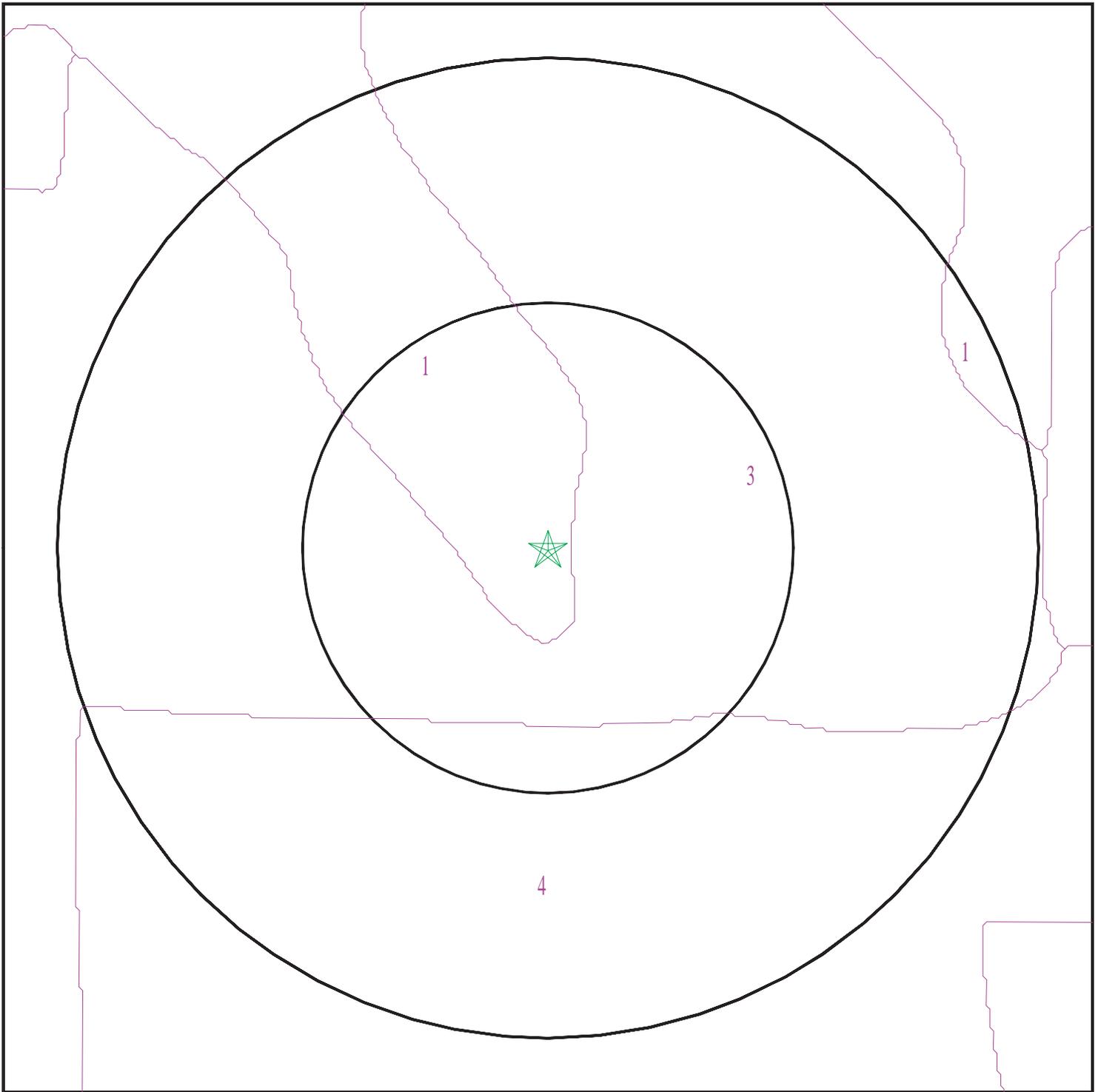
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

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 - 6119619.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Maverik - Elk Grove, CA
ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
Elk Grove CA 95758
LAT/LONG: 38.439113 / 121.404238

CLIENT: Cardno, Inc.
CONTACT: Alisha Strong
INQUIRY #: 6119619.2s
DATE: July 14, 2020 11:41 pm

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: SAN JOAQUIN

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	22 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1
2	22 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1
3	27 inches	53 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	53 inches	59 inches	stratified sandy loam to loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

Soil Map ID: 2

Soil Component Name: SAN JOAQUIN

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	22 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1
2	22 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	27 inches	53 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1
4	53 inches	59 inches	stratified sandy loam to loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

Soil Map ID: 3

Soil Component Name: SAN JOAQUIN

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	22 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	22 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1
3	27 inches	53 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1
4	53 inches	59 inches	stratified sandy loam to loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

Soil Map ID: 4

Soil Component Name: SAN JOAQUIN

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	22 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1
2	22 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1
3	27 inches	53 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1
4	53 inches	59 inches	stratified sandy loam to loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	USGS40000188318	1/4 - 1/2 Mile ESE
3	USGS40000188342	1/4 - 1/2 Mile NE
4	USGS40000188327	1/4 - 1/2 Mile West
5	USGS40000188373	1/2 - 1 Mile NW
8	USGS40000188266	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

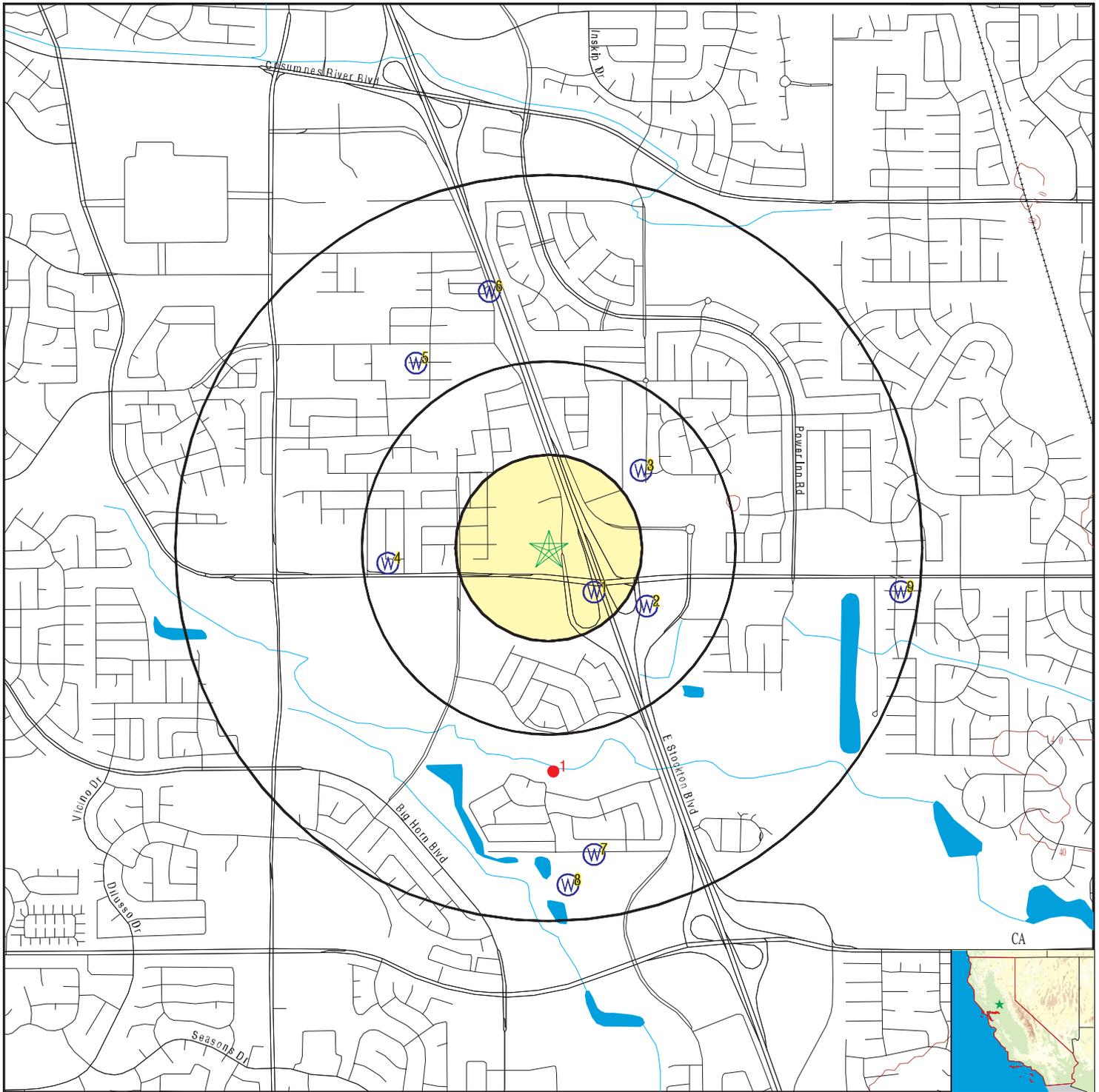
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CADWR8000037994	1/8 - 1/4 Mile SE
6	7336	1/2 - 1 Mile NNW
7	CADWR8000037970	1/2 - 1 Mile South
9	18579	1/2 - 1 Mile East

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

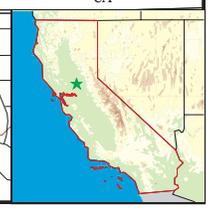
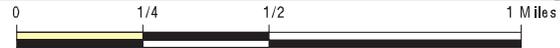
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG13000007980	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 6119619.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Maverik - Elk Grove, CA
 ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
 Elk Grove CA 95758
 LAT/LONG: 38.439113 / 121.404238

CLIENT: Cardno, Inc.
 CONTACT: Alisha Strong
 INQUIRY #: 6119619.2s
 DATE: July 14, 2020 11:41 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SE
1/8 - 1/4 Mile
Higher

CA WELLS CADWR8000037994

State Well #:	07N05E26C001M	Station ID:	6719
Well Name:	Not Reported	Well Use:	Irrigation
Well Type:	Unknown	Well Depth:	519
Basin Name:	South American	Well Completion Rpt #:	61393

2
ESE
1/4 - 1/2 Mile
Higher

FED USGS USGS40000188318

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N005E26C003M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19780220	Well Depth:	155
Well Depth Units:	ft	Well Hole Depth:	210
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	1982-08-03
Feet below surface:	102.73	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1978-02-20	Feet below surface:	98.00
Feet to sea level:	Not Reported	Note:	Not Reported

3
NE
1/4 - 1/2 Mile
Higher

FED USGS USGS40000188342

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N005E23L001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	155
Well Depth Units:	ft	Well Hole Depth:	210
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1982-08-02
Feet below surface:	102.70	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

4
West
1/4 - 1/2 Mile
Lower

FED USGS USGS40000188327

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N005E22R001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19770101	Well Depth:	155
Well Depth Units:	ft	Well Hole Depth:	180
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1982-08-02
Feet below surface:	95.70	Feet to sea level:	Not Reported
Note:	The site had been pumped recently.		

5
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000188373

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N005E22H001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	180
Well Depth Units:	ft	Well Hole Depth:	240
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1982-07-28
Feet below surface:	90.32	Feet to sea level:	Not Reported
Note:	Not Reported		

6
NNW
1/2 - 1 Mile
Higher

CA WELLS 7336

Seq:	7336	Prim sta c:	07N/05E-23D01 M
Frds no:	3400331001	County:	34
District:	64	User id:	34C
System no:	3400331	Water type:	G
Source nam:	WELL A	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	382657.0	Longitude:	1212422.0
Precision:	3	Status:	AR
Comment 1:	8476 STOCKTON BLVD ELK GROVE CA 95624		
Comment 2:	Not Reported	Comment 3:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported
System no:	3400331	System nam:	Westener Mhp
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		
Sample date:	12-MAY-17	Finding:	3.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	12-MAY-17	Finding:	1.
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dir:	0.		
Sample date:	22-JUN-16	Finding:	5.
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	22-JUN-16	Finding:	8.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	22-JUN-16	Finding:	25.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	22-JUN-16	Finding:	0.9
Chemical:	SODIUM ABSORPTION RATIO	Report units:	Not Reported
Dir:	0.		
Sample date:	22-JUN-16	Finding:	22.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	22-JUN-16	Finding:	14.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	22-JUN-16	Finding:	26.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	22-JUN-16	Finding:	122.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	22-JUN-16	Finding:	3.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	22-JUN-16	Finding:	140.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	22-JUN-16	Finding:	110.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	22-JUN-16	Finding:	7.5
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	22-JUN-16	Finding:	390.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	22-JUN-16	Finding:	260.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	22-JUN-16	Finding:	11.4
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	22-JUN-16	Finding:	3.8
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	22-JUN-16	Finding:	2.
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	19-MAY-15	Finding:	2.17
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	19-MAY-15	Finding:	1.61
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	01-OCT-14	Finding:	7.4
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	19-JUN-13	Finding:	4.7
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	19-JUN-13	Finding:	0.12
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	19-JUN-13	Finding:	7.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	19-JUN-13	Finding:	21.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	19-JUN-13	Finding:	2.4
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	19-JUN-13	Finding:	24.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	19-JUN-13	Finding:	15.
Chemical:	MAGNESIUM	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	19-JUN-13	Finding:	25.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	19-JUN-13	Finding:	120.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	19-JUN-13	Finding:	159.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	19-JUN-13	Finding:	130.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	19-JUN-13	Finding:	7.52
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	19-JUN-13	Finding:	350.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	19-JUN-13	Finding:	240.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	07-JUN-12	Finding:	5.
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		

7
South
1/2 - 1 Mile
Lower

CA WELLS CADWR8000037970

State Well #:	07N05E26P002M	Station ID:	27204
Well Name:	SCGA #2	Well Use:	Residential
Well Type:	Single Well	Well Depth:	0
Basin Name:	South American	Well Completion Rpt #:	Not Reported

8
South
1/2 - 1 Mile
Higher

FED USGS USGS40000188266

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N005E26P003M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19770101	Well Depth:	185
Well Depth Units:	ft	Well Hole Depth:	196

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Hole Depth Units: ft

Ground water levels, Number of Measurements:	2	Level reading date:	1982-08-04
Feet below surface:	105.94	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1977-01-01	Feet below surface:	110.00
Feet to sea level:	Not Reported	Note:	Not Reported

**9
East
1/2 - 1 Mile
Higher**

CA WELLS 18579

Seq: 18579
 Frds no: 3410029019
 District: 09
 System no: 3410029
 Source nam: WELL 65 - SHELDON
 Latitude: 382615.0
 Precision: 3
 Comment 1: Not Reported
 Comment 3: Not Reported
 Comment 5: Not Reported
 Comment 7: Not Reported

Prim sta c: 3410029-019
 County: 34
 User id: TEN
 Water type: G
 Station ty: WELL/AMBNT
 Longitude: 1212309.0
 Status: AR
 Comment 2: Not Reported
 Comment 4: Not Reported
 Comment 6: Not Reported

System no: 3410029
 Hqname: Not Reported
 City: Sacramento
 Zip: 95814
 Pop serv: 20259
 Area serve: LAGUNA VINEYARD

System nam: Scwmd Laguna/Vineyard
 Address: 827 7th Street, Room 301
 State: Ca
 Zip ext: Not Reported
 Connection: 13272

Sample date: 15-FEB-18
 Chemical: CHROMIUM, HEXAVALENT
 Dir: 1.

Finding: 9.3
 Report units: UG/L

Sample date: 15-NOV-17
 Chemical: CHROMIUM, HEXAVALENT
 Dir: 1.

Finding: 10.
 Report units: UG/L

Sample date: 23-AUG-17
 Chemical: HARDNESS (TOTAL) AS CaCO3
 Dir: 0.

Finding: 91.
 Report units: MG/L

Sample date: 23-AUG-17
 Chemical: BICARBONATE ALKALINITY
 Dir: 0.

Finding: 140.
 Report units: MG/L

Sample date: 23-AUG-17
 Chemical: ALKALINITY (TOTAL) AS CaCO3
 Dir: 0.

Finding: 110.
 Report units: MG/L

Sample date: 23-AUG-17
 Chemical: PH, LABORATORY
 Dir: 0.

Finding: 8.
 Report units: Not Reported

Sample date: 23-AUG-17
 Chemical: SPECIFIC CONDUCTANCE
 Dir: 0.

Finding: 280.
 Report units: US

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	23-AUG-17	Finding:	11.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	23-AUG-17	Finding:	21.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	23-AUG-17	Finding:	11.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	23-AUG-17	Finding:	18.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	09-MAY-17	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	09-MAY-17	Finding:	1.1
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-MAY-17	Finding:	0.8
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	09-MAY-17	Finding:	180.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	09-MAY-17	Finding:	160.
Chemical:	IRON	Report units:	UG/L
Dir:	100.		
Sample date:	09-MAY-17	Finding:	4.9
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	09-MAY-17	Finding:	1.7
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	09-MAY-17	Finding:	9.3
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	09-MAY-17	Finding:	20.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	09-MAY-17	Finding:	10.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	09-MAY-17	Finding:	16.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	09-MAY-17	Finding:	81.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	09-MAY-17	Finding:	1.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-MAY-17	Finding:	130.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	09-MAY-17	Finding:	110.
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃	Report units:	MG/L
Dir:	0.		
Sample date:	09-MAY-17	Finding:	250.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	16-MAY-16	Finding:	0.93
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	13-MAY-15	Finding:	4.7
Chemical:	NITRATE (AS NO ₃)	Report units:	MG/L
Dir:	2.		
Sample date:	13-MAY-15	Finding:	1.07
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	13-MAY-15	Finding:	0.156
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	20-AUG-14	Finding:	250.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	22-MAY-14	Finding:	8.2
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	22-MAY-14	Finding:	8.9
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	22-MAY-14	Finding:	240.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	22-MAY-14	Finding:	110.
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃	Report units:	MG/L
Dir:	0.		
Sample date:	22-MAY-14	Finding:	130.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	22-MAY-14	Finding:	87.
Chemical:	HARDNESS (TOTAL) AS CaCO ₃	Report units:	MG/L
Dir:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	22-MAY-14	Finding:	18.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	22-MAY-14	Finding:	10.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	22-MAY-14	Finding:	20.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	22-MAY-14	Finding:	6.3
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	22-MAY-14	Finding:	2.8
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	22-MAY-14	Finding:	11.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dir:	10.		
Sample date:	22-MAY-14	Finding:	1200.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	22-MAY-14	Finding:	5.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	22-MAY-14	Finding:	180.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	18-FEB-14	Finding:	210.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	15-MAY-13	Finding:	4.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	15-MAY-12	Finding:	4.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
South
1/2 - 1 Mile

OIL_GAS CAOG13000007980

API #: 0406700311
Well Status: Plugged
Operator Name: E. A. Bender
Field Name: Any Field
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: DH
Lease Name: J.P. Kramer
Area Name: Any Area
Confidential Well: N
SPUD Date: 04/05/1953

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95758	21	1

Federal EPA Radon Zone for SACRAMENTO County: 3

- 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 SACRAMENTO COUNTY, CA

Number of sites tested: 52

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.665 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.200 pCi/L	100%	0%	0%
Basement	8.350 pCi/L	50%	50%	0%

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 and Wildlife

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: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

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.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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.

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Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California

Appendix

F

Aerial Photographs



Maverik - Elk Grove, CA

NWC of Sheldon Rd & W Stockton Blvd

Elk Grove, CA 95758

Inquiry Number: 6119619.8

July 13, 2020

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

07/13/20

Site Name:

Maverik - Elk Grove, CA
NWC of Sheldon Rd & W Stock
Elk Grove, CA 95758
EDR Inquiry # 6119619.8

Client Name:

Cardno, Inc.
1142 West 2320 South
Salt Lake City, UT 84119
Contact: Alisha Strong



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:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1998	1"=500'	Acquisition Date: August 18, 1998	USGS/DOQQ
1993	1"=500'	Flight Date: May 23, 1993	USDA
1984	1"=500'	Flight Date: June 08, 1984	USDA
1972	1"=500'	Flight Date: June 28, 1972	USDA
1966	1"=500'	Flight Date: August 05, 1966	USGS
1964	1"=500'	Flight Date: May 19, 1964	USDA
1957	1"=500'	Flight Date: September 09, 1957	USDA
1947	1"=500'	Flight Date: July 28, 1947	USGS
1937	1"=500'	Flight Date: August 17, 1937	USDA

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INQUIRY #: 6119619.8

YEAR: 2016

— = 500'





INQUIRY #: 6119619.8

YEAR: 2012

— = 500'





INQUIRY #: 6119619.8

YEAR: 2009

— = 500'





INQUIRY #: 6119619.8

YEAR: 2006

— = 500'





INQUIRY #: 6119619.8

YEAR: 1998

— = 500'





INQUIRY #: 6119619.8

YEAR: 1993

— = 500'



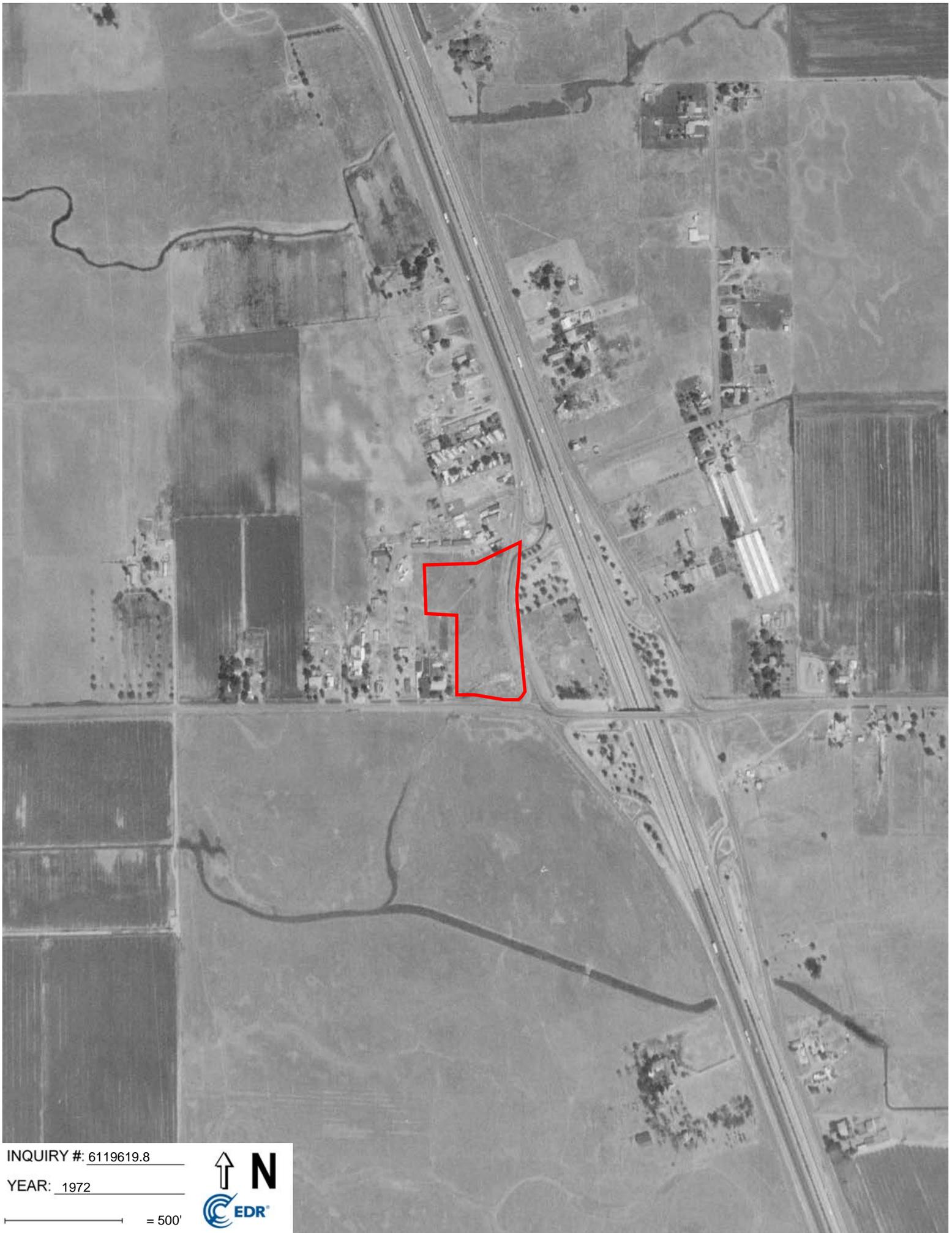


INQUIRY #: 6119619.8

YEAR: 1984

— = 500'





INQUIRY #: 6119619.8

YEAR: 1972

— = 500'





INQUIRY #: 6119619.8

YEAR: 1966

— = 500'



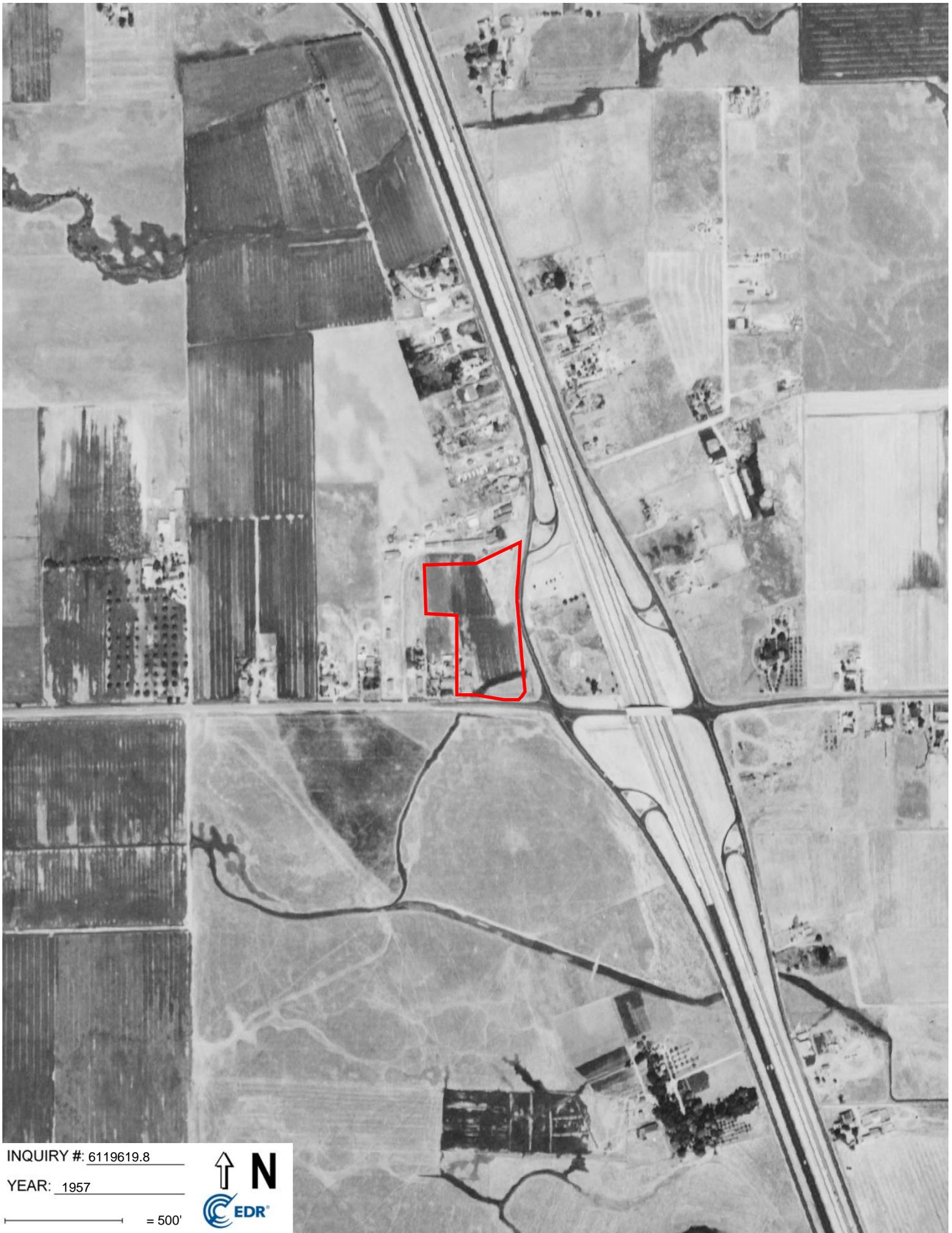


INQUIRY #: 6119619.8

YEAR: 1964

— = 500'



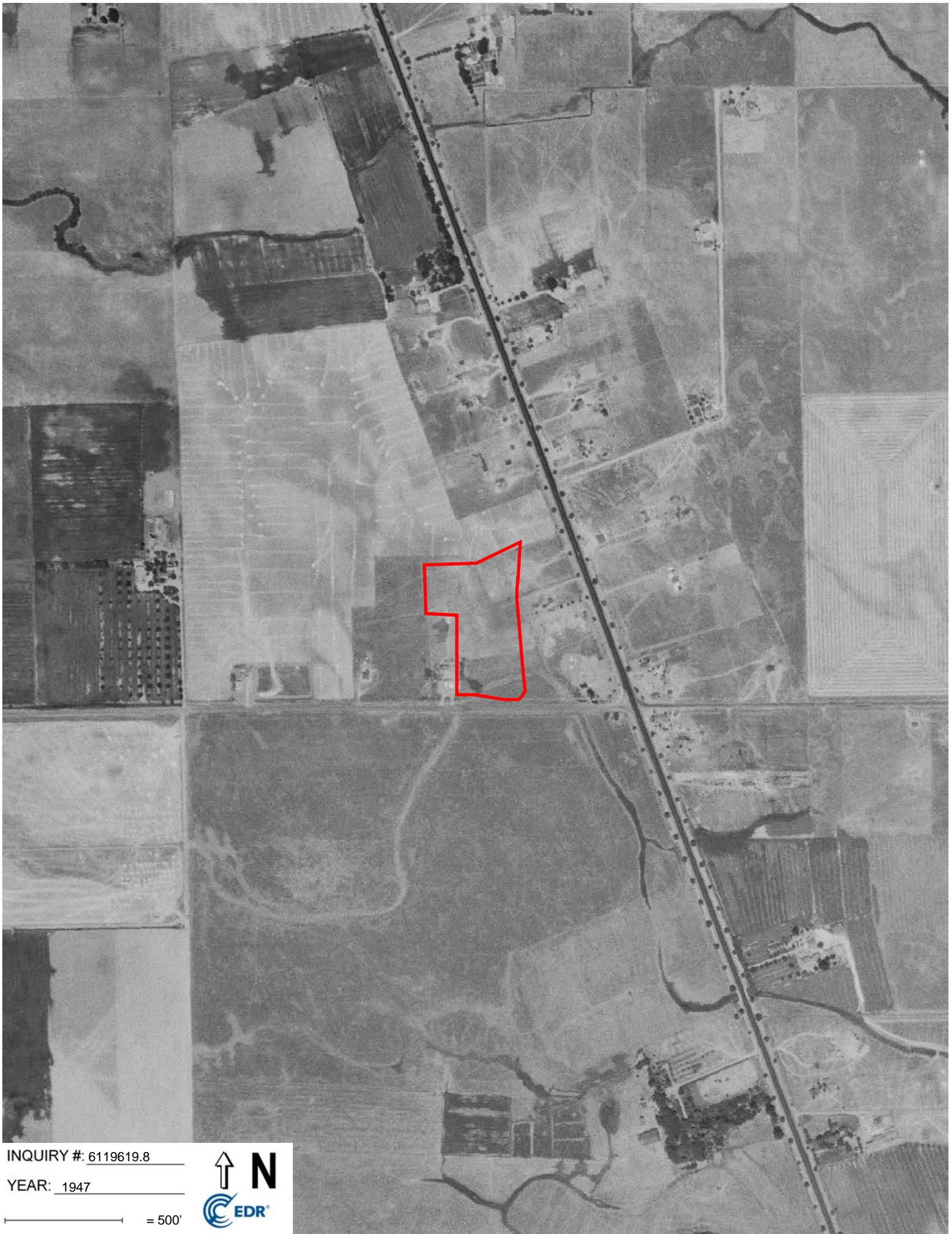


INQUIRY #: 6119619.8

YEAR: 1957

— = 500'



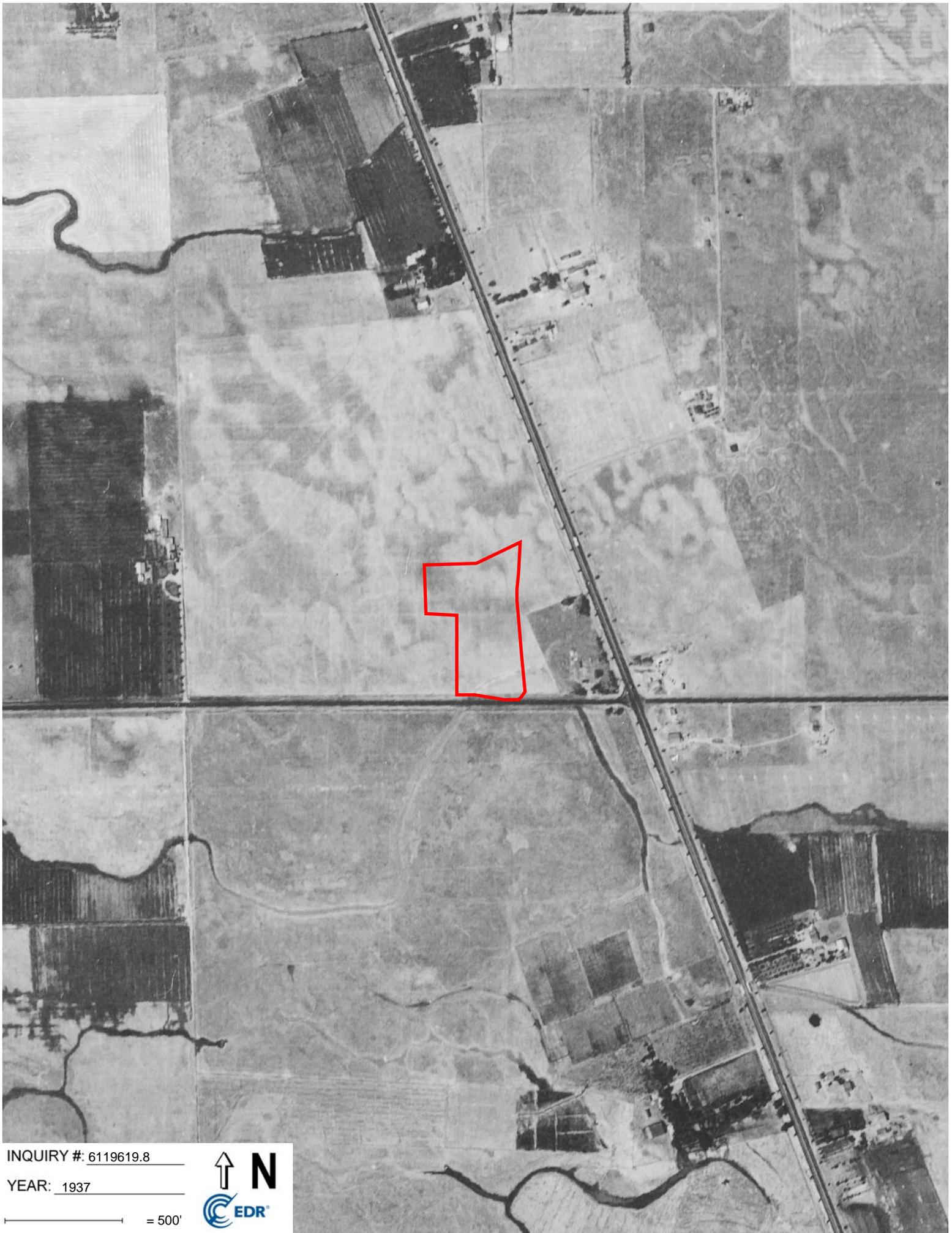


INQUIRY #: 6119619.8

YEAR: 1947

— = 500'





INQUIRY #: 6119619.8

YEAR: 1937

— = 500'



Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California

Appendix

G

Historical Research Documentation

National Flood Hazard Layer FIRMette



121°24'36"W 38°26'36"N



Legend

SEE THIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS	<ul style="list-style-type: none"> Without Base Flood Elevation (BFE) Zone A, V, A99 With BFE or Depth Zone AE, AO, AH, VE, AR Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	<ul style="list-style-type: none"> 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile, Zone X Future Conditions 1% Annual Chance Flood Hazard, Zone X Area with Reduced Flood Risk due to Levee. See Notes, Zone X Area with Flood Risk due to Levee, Zone D
OTHER AREAS	<ul style="list-style-type: none"> NO SCREEN Area of Minimal Flood Hazard, Zone X Effective LOMRs Area of Undetermined Flood Hazard, Zone D
GENERAL STRUCTURES	<ul style="list-style-type: none"> Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall
OTHER FEATURES	<ul style="list-style-type: none"> 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation 17.8 Coastal Transect Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary Coastal Transect Baseline Profile Baseline Hydrographic Feature
MAP PANELS	<ul style="list-style-type: none"> Digital Data Available No Digital Data Available Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/14/2020 at 2:40 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmapped areas cannot be used for regulatory purposes.

G-1

Latitude: 38° 26' 21" N
Longitude: -121° 24' 15" W

Project No. 820AR00790.0001

This map and all data contained within are supplied as is with no warranty. Cardno, Inc. expressly disclaims responsibility for damages or liability from any claims that may arise out of the use or misuse of this map. It is the sole responsibility of the user to determine if the data on this map meets the user's needs. This map was not created as survey data, nor should it be used as such. It is the user's responsibility to obtain proper survey data, prepared by a licensed surveyor, where required by law.

Appendix G-1: Flood Plain Map

Maverik - Elk Grove, CA
Potential Maverik Location
Sheldon Rd & W Stockton Blvd
Elk Grove, Sacramento County, California



1142 WEST 2320 SOUTH, SUITE A
WEST VALLEY, UTAH 84119
P: 801-256-3800 F: 801-973-1095



July 14, 2020

Wetlands

- | | | | | | |
|--|--------------------------------|--|-----------------------------------|--|----------|
| | Estuarine and Marine Deepwater | | Freshwater Emergent Wetland | | Lake |
| | Estuarine and Marine Wetland | | Freshwater Forested/Shrub Wetland | | Other |
| | | | Freshwater Pond | | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

G-2

Latitude: 38° 26' 21" N
Longitude: -121° 24' 15" W

Project No. 820AR00790.0001

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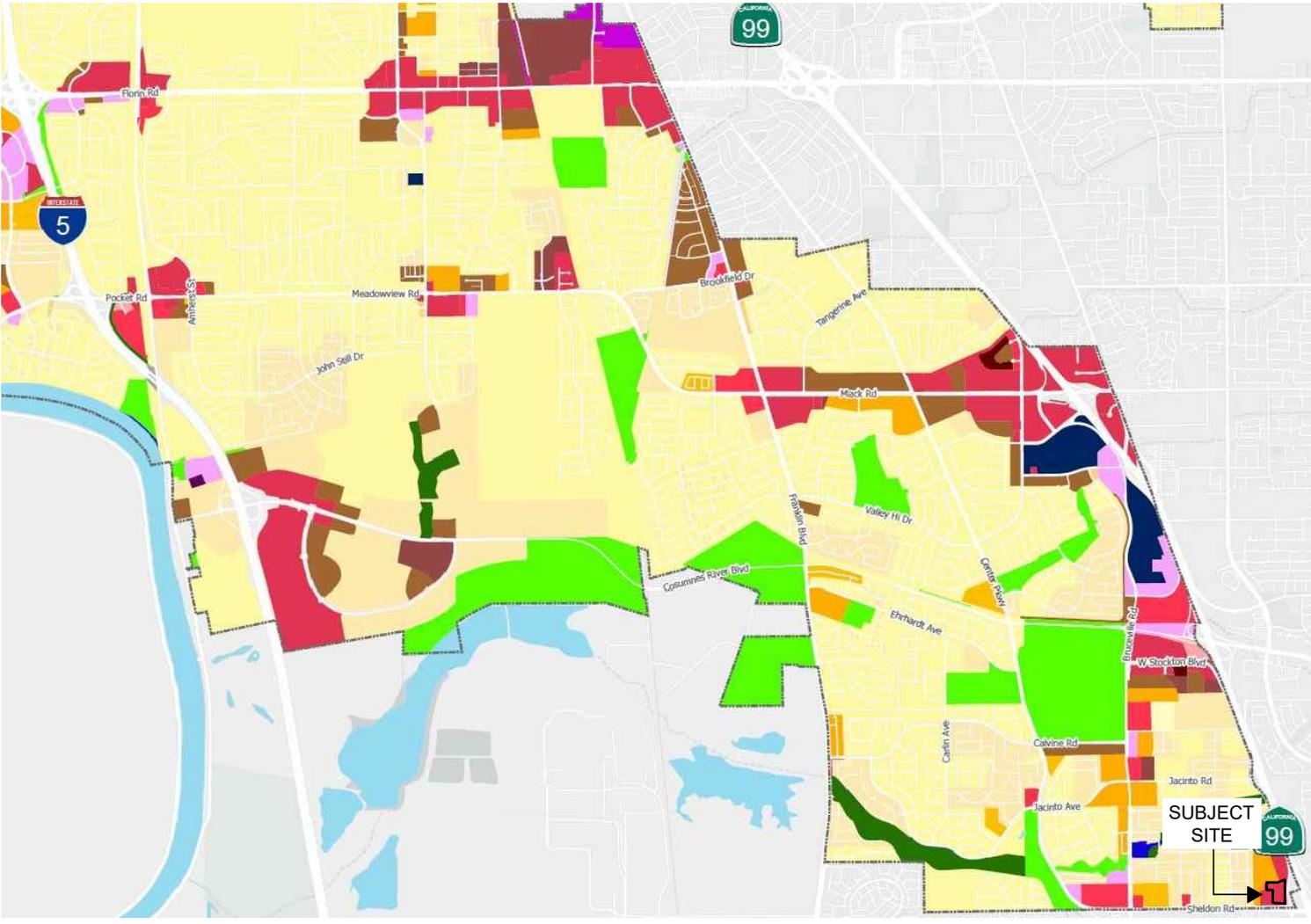
Appendix G-2: Wetlands Map

Maverik - Elk Grove, CA
Potential Maverik Location
Sheldon Rd & W Stockton Blvd
Elk Grove, Sacramento County, California



1142 WEST 2320 SOUTH, SUITE A
WEST VALLEY, UTAH 84119
P: 801-256-3800 F: 801-973-1095

- Zoning**
- Residential Zones**
- RE - Rural Estates
 - R-1 - Standard Single Family
 - R-1A - Single Family Alternative
 - R-1B - Single or Two Family
 - R-2 - Two-Family
 - R-2A - Multi-Family (up to 17 units/acre)
 - R-2B - Multi-Family (21)
 - R-3 - Multi-Family (29)
 - R-3A - Multi-Family (36)
 - R-4 - Multi-Family (58)
 - R-4A - Multi-Family (110)
 - R-5 - Multi-Family (174)
 - RCMU - Residential/Commercial Mixed Use
 - RMU - Residential Mixed Use
 - RO - Residential-Office
 - RMX - Residential Mixed Use
- Commercial and Office Zones**
- C-1 - Limited Commercial
 - C-2 - General Commercial
 - C-3 - Central Business District
 - C-4 - Heavy Commercial
 - EC - Employment Center
 - HC - Highway Commercial
 - OB - Office Building
 - ORMU - Office/Residential Mixed Use
 - SC - Shopping Center
- Industrial and Manufacturing Zones**
- M-1 - Industrial
 - M-2 - Heavy Industrial
 - MIP - Manufacturing - Industrial Park
 - MRD - Manufacturing, R & D
- Other Zones**
- A - Agricultural
 - A-OS - Agriculture-Open Space
 - F - Flood
 - ARPF - American River Parkway
 - H - Hospital
 - SPX - Sports Complex
 - TC - Transportation Corridor



G-3

Latitude: 38° 26' 21" N
 Longitude: -121° 24' 15" W

Project No. 820AR00790.0001

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Appendix G3: Zoning Map
 Maverik - Elk Grove, CA
 Potential Maverik Location
 Sheldon Rd & W Stockton Blvd
 Elk Grove, Sacramento County, California



1142 WEST 2320 SOUTH, SUITE A
 WEST VALLEY, UTAH 84119
 P: 801-256-3800 F: 801-973-1095

Maverik - Elk Grove, CA
NWC of Sheldon Rd & W Stockton Blvd
Elk Grove, CA 95758

Inquiry Number: 6119619.4

July 13, 2020

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

07/13/20

Site Name:

Maverik - Elk Grove, CA
NWC of Sheldon Rd & W Stock
Elk Grove, CA 95758
EDR Inquiry # 6119619.4

Client Name:

Cardno, Inc.
1142 West 2320 South
Salt Lake City, UT 84119
Contact: Alisha Strong



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Cardno, Inc. 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. EDR's 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:**Coordinates:**

P.O.#	820AR00790.0001	Latitude:	38.439113 38° 26' 21" North
Project:	Maverik - Sheldon Elk Grove C	Longitude:	-121.404238 -121° 24' 15" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	639268.24
		UTM Y Meters:	4255743.21
		Elevation:	30.58' above sea level

Maps Provided:

2012
1980
1975
1968
1947
1941
1909
1894

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Topo Sheet Key

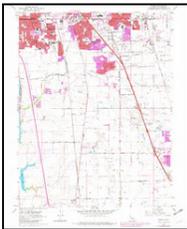
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Florin
2012
7.5-minute, 24000

1980 Source Sheets



Florin
1980
7.5-minute, 24000
Aerial Photo Revised 1978

1975 Source Sheets



Florin
1975
7.5-minute, 24000
Aerial Photo Revised 1975

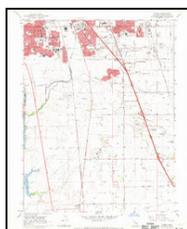


Elk Grove
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1968 Source Sheets



Elk Grove
1968
7.5-minute, 24000
Aerial Photo Revised 1966



Florin
1968
7.5-minute, 24000
Aerial Photo Revised 1966

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1947 Source Sheets



GALT
1947
15-minute, 50000

1941 Source Sheets



Franklin
1941
15-minute, 62500
Aerial Photo Revised 1939

1909 Source Sheets



Florin
1909
7.5-minute, 31680

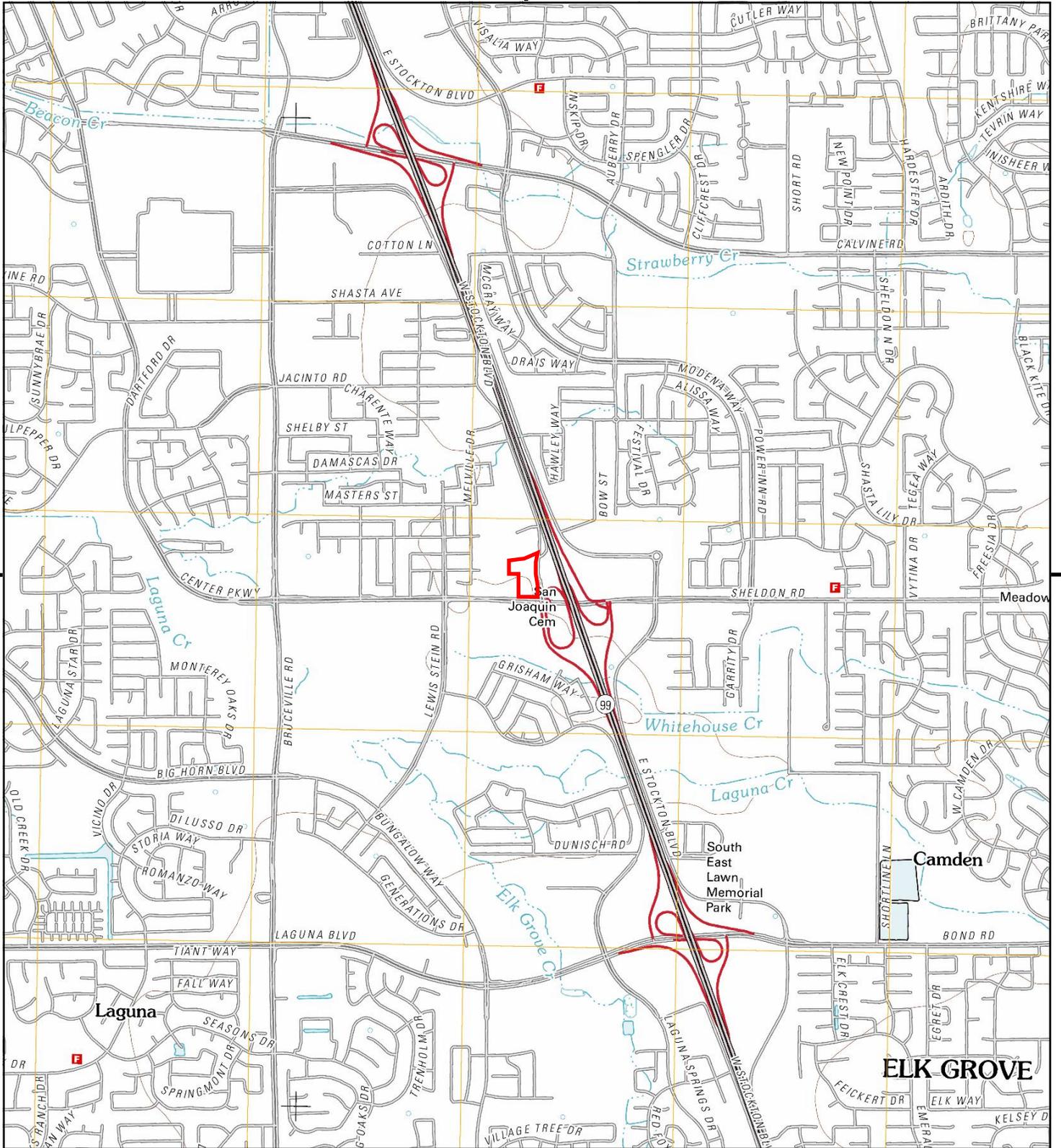


Elk Grove
1909
7.5-minute, 31680

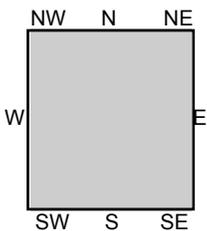
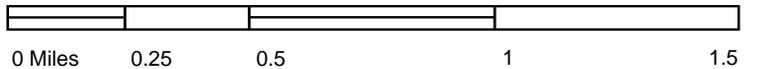
1894 Source Sheets



Lodi
1894
30-minute, 125000



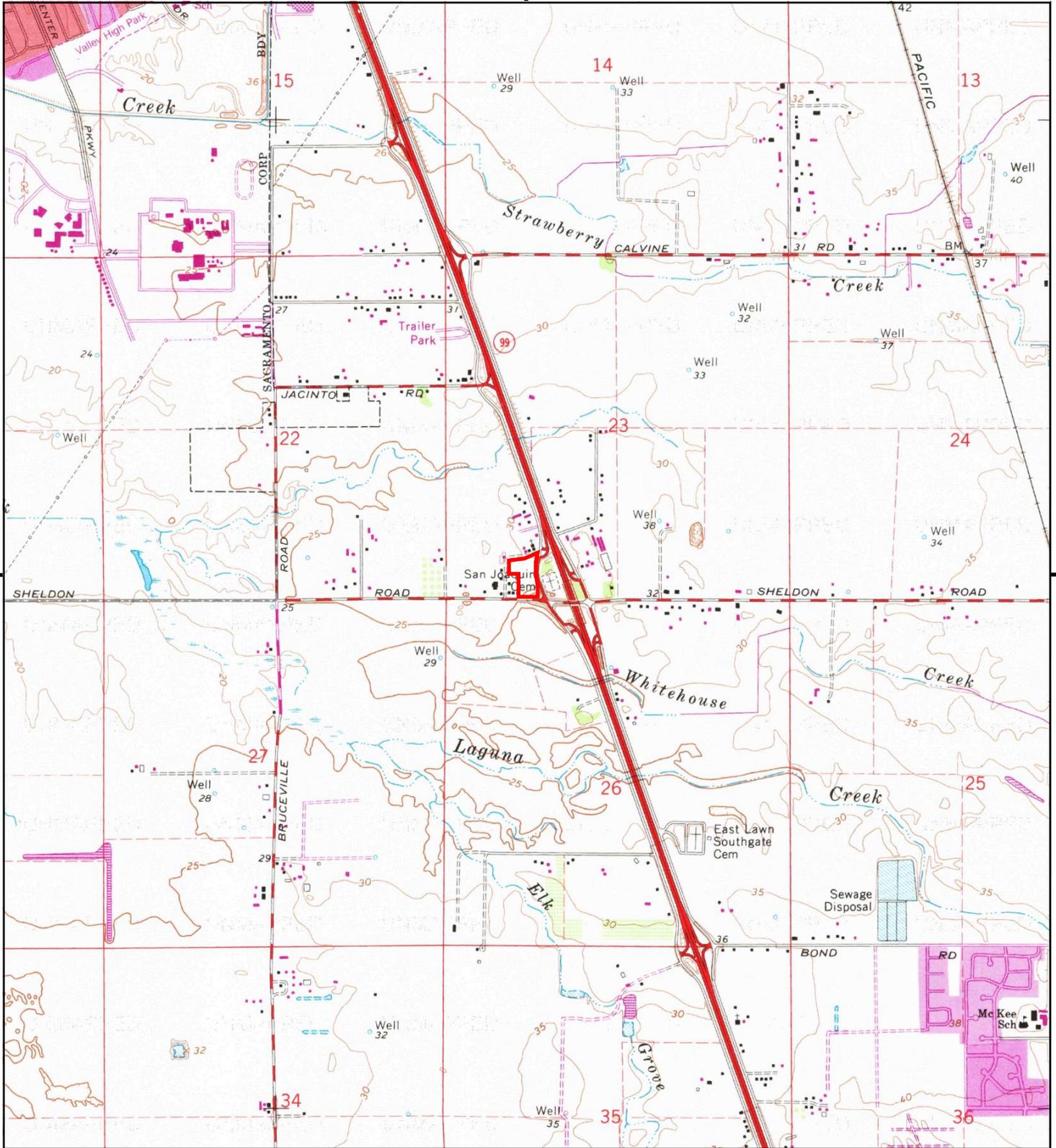
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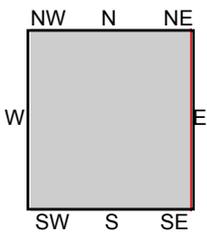
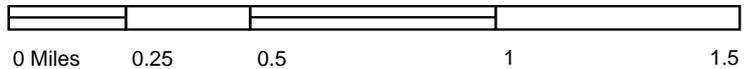
TP, Florin, 2012, 7.5-minute

SITE NAME: Maverik - Elk Grove, CA
 ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
 Elk Grove, CA 95758
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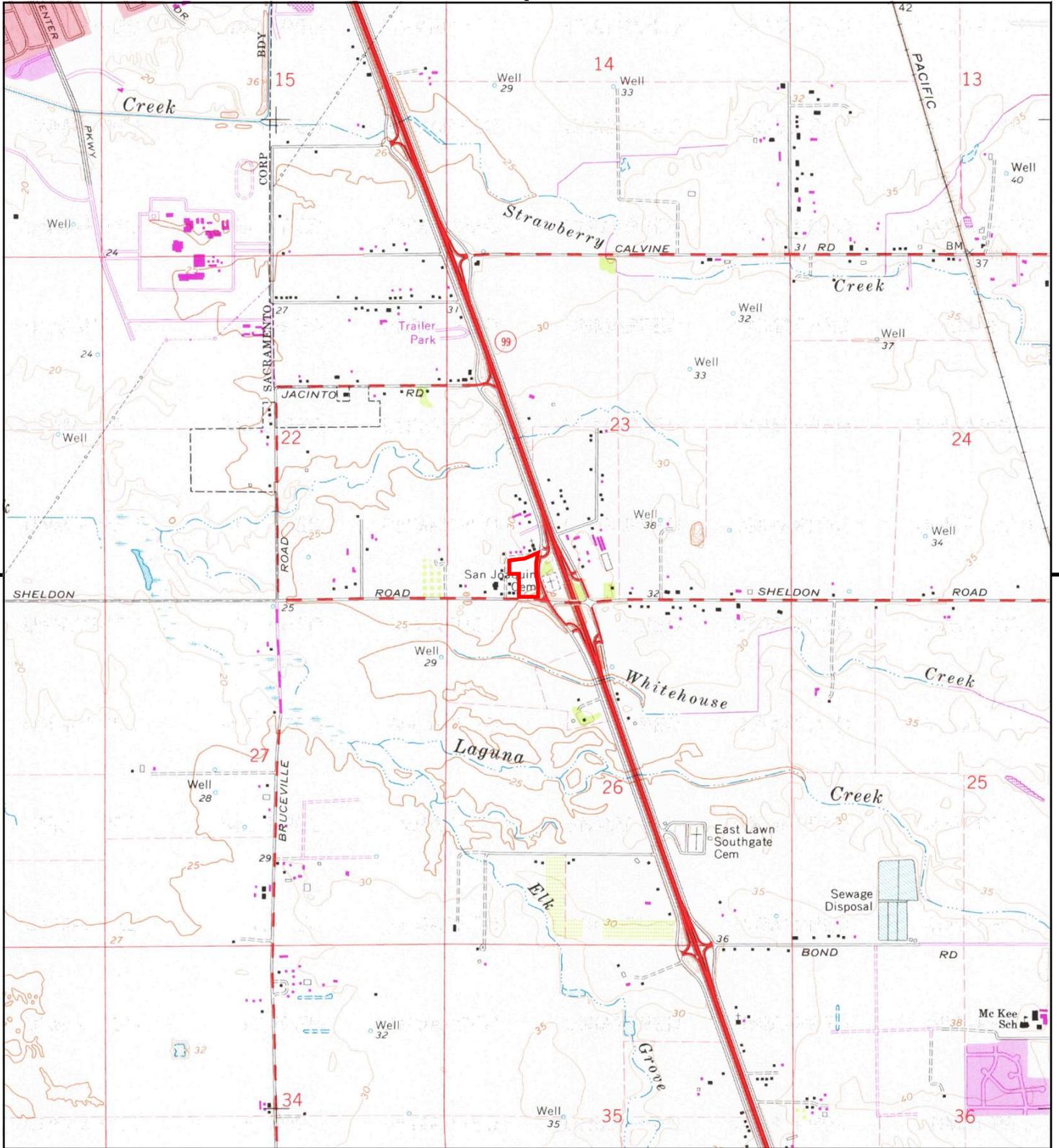
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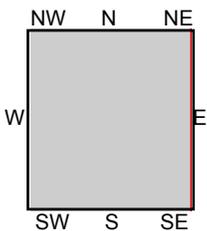
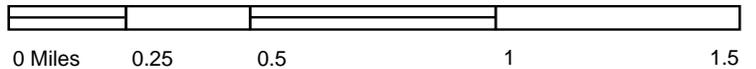
TP, Florin, 1980, 7.5-minute

SITE NAME: Maverik - Elk Grove, CA
ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
 Elk Grove, CA 95758
CLIENT: Cardno, Inc.





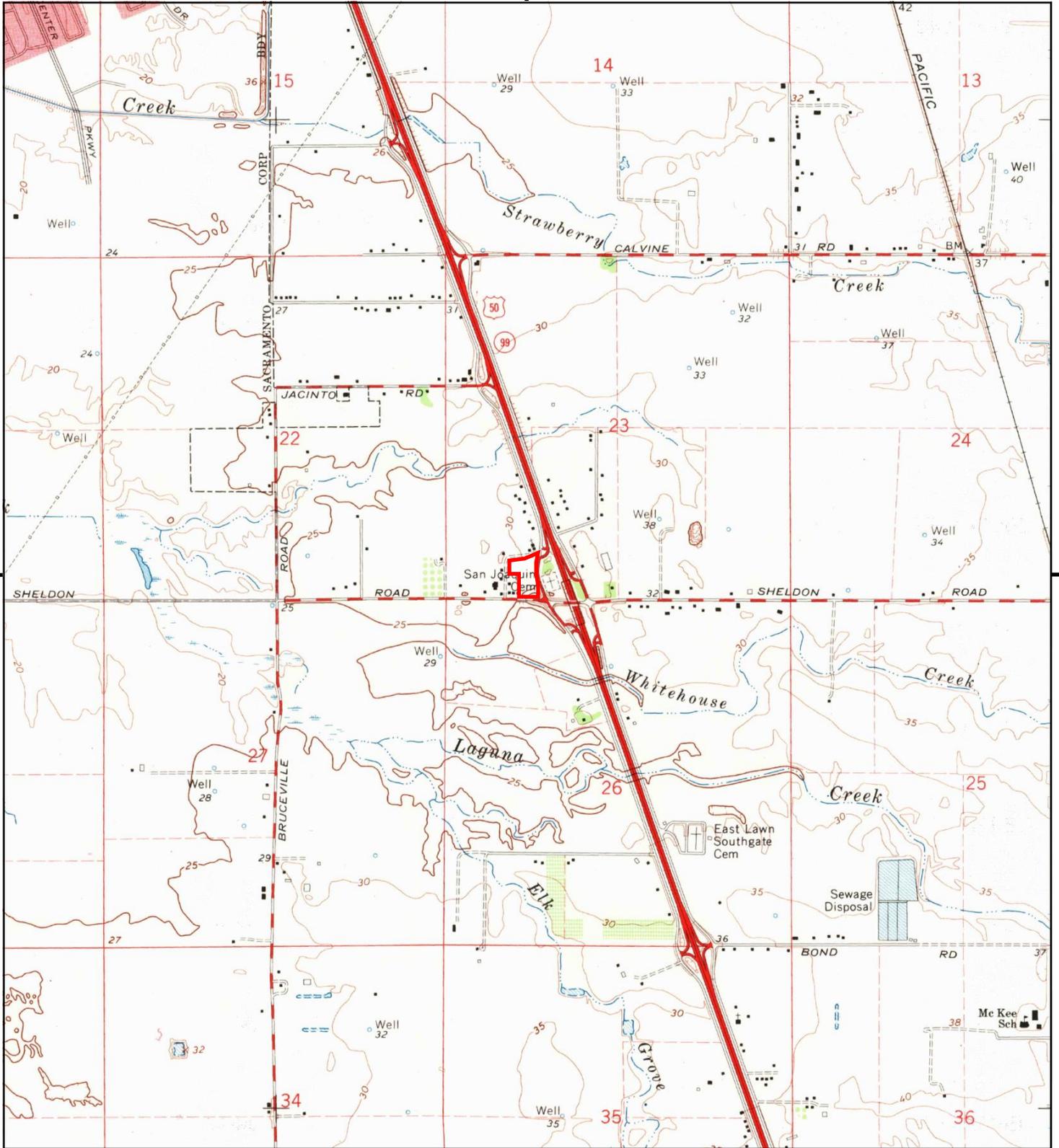
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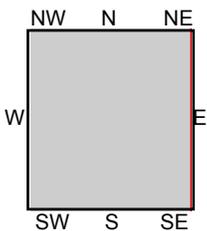
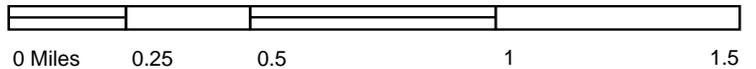
TP, Florin, 1975, 7.5-minute
E, Elk Grove, 1975, 7.5-minute

SITE NAME: Maverik - Elk Grove, CA
ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
Elk Grove, CA 95758
CLIENT: Cardno, Inc.





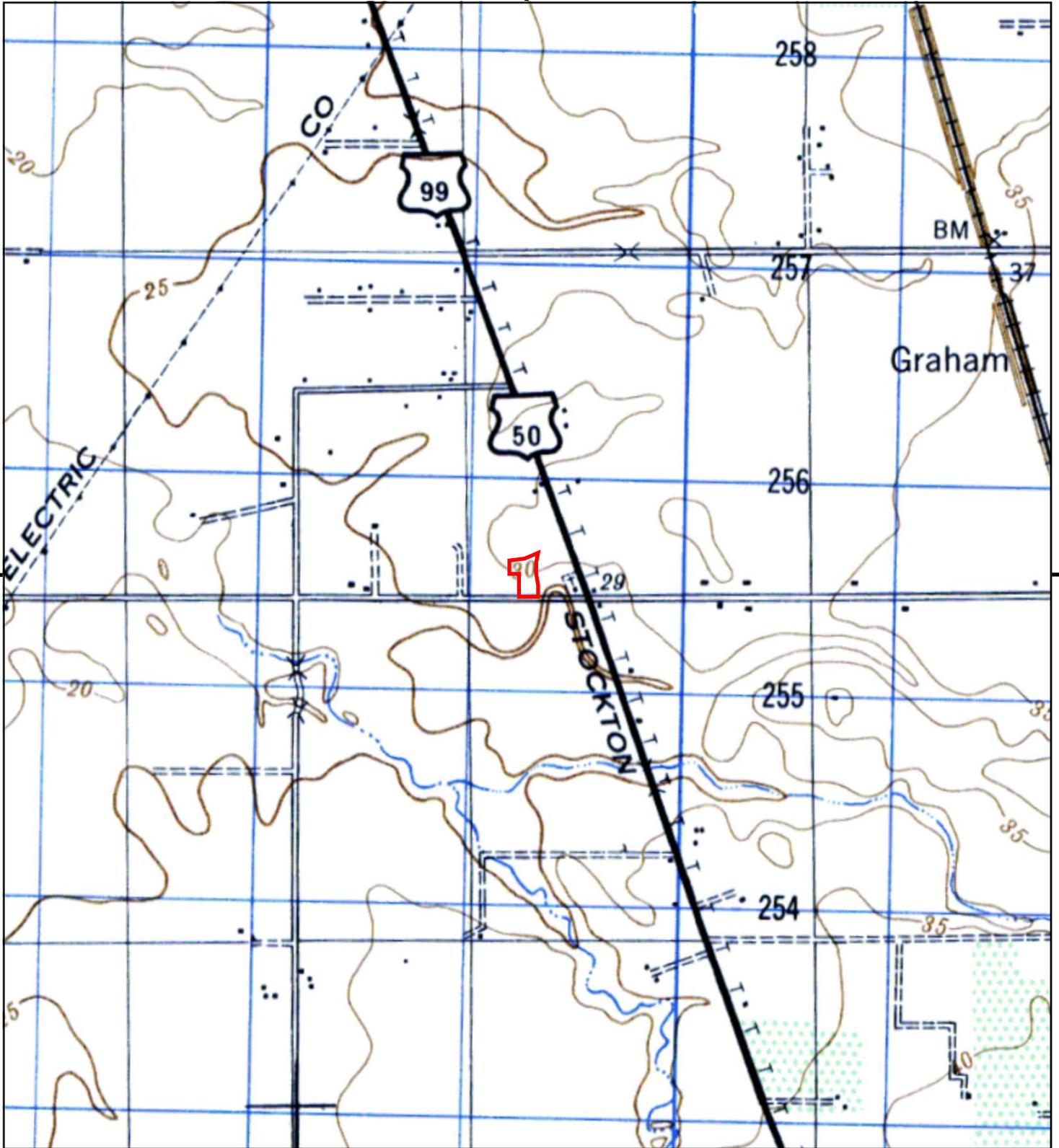
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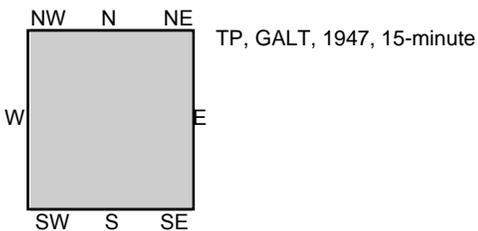
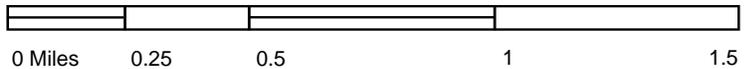
TP, Florin, 1968, 7.5-minute
E, Elk Grove, 1968, 7.5-minute

SITE NAME: Maverik - Elk Grove, CA
ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
Elk Grove, CA 95758
CLIENT: Cardno, Inc.



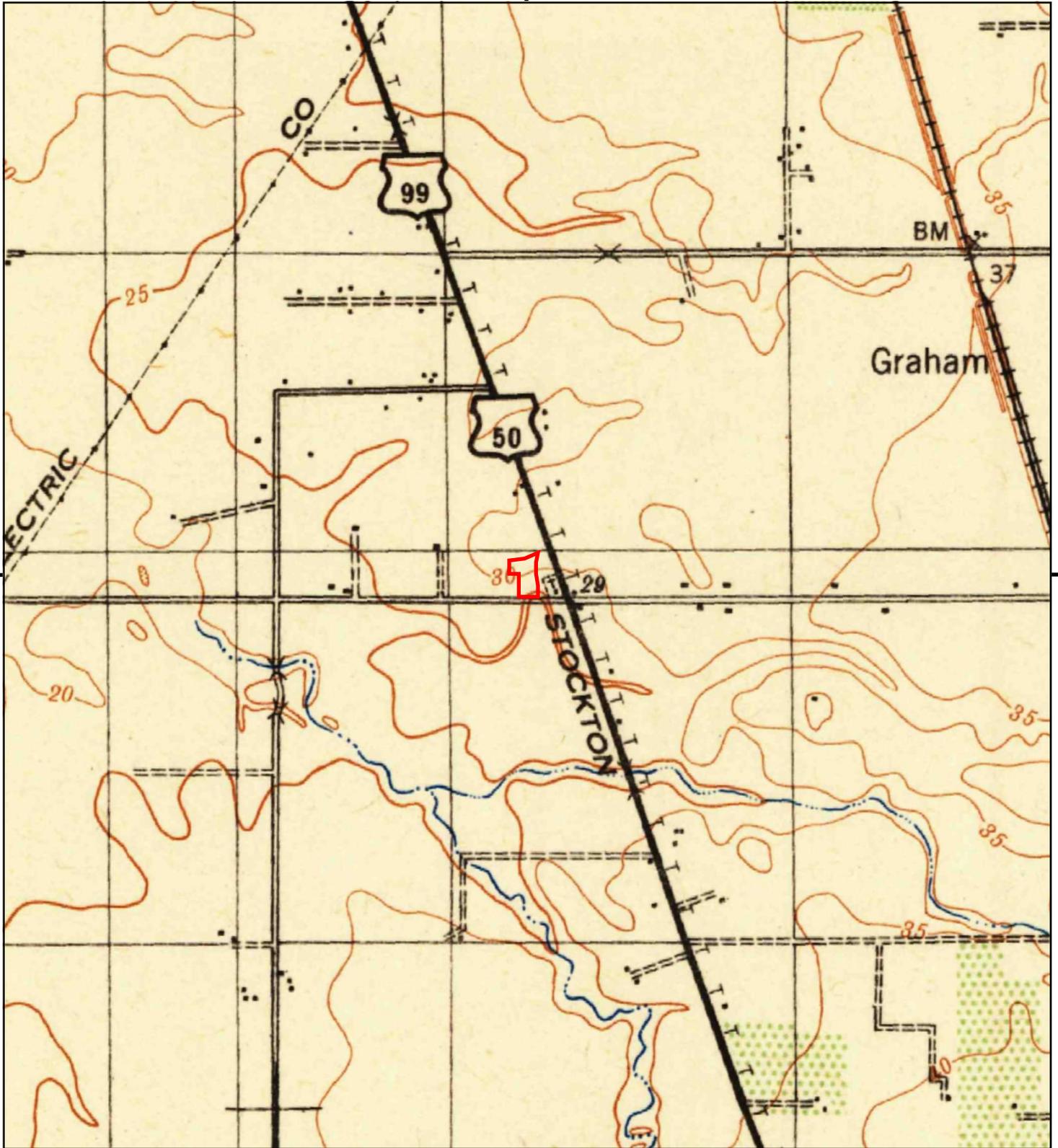


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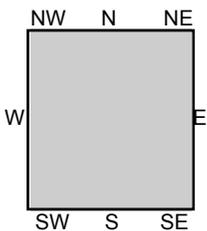
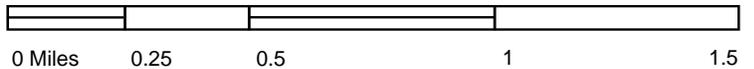


SITE NAME: Maverik - Elk Grove, CA
 ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
 Elk Grove, CA 95758
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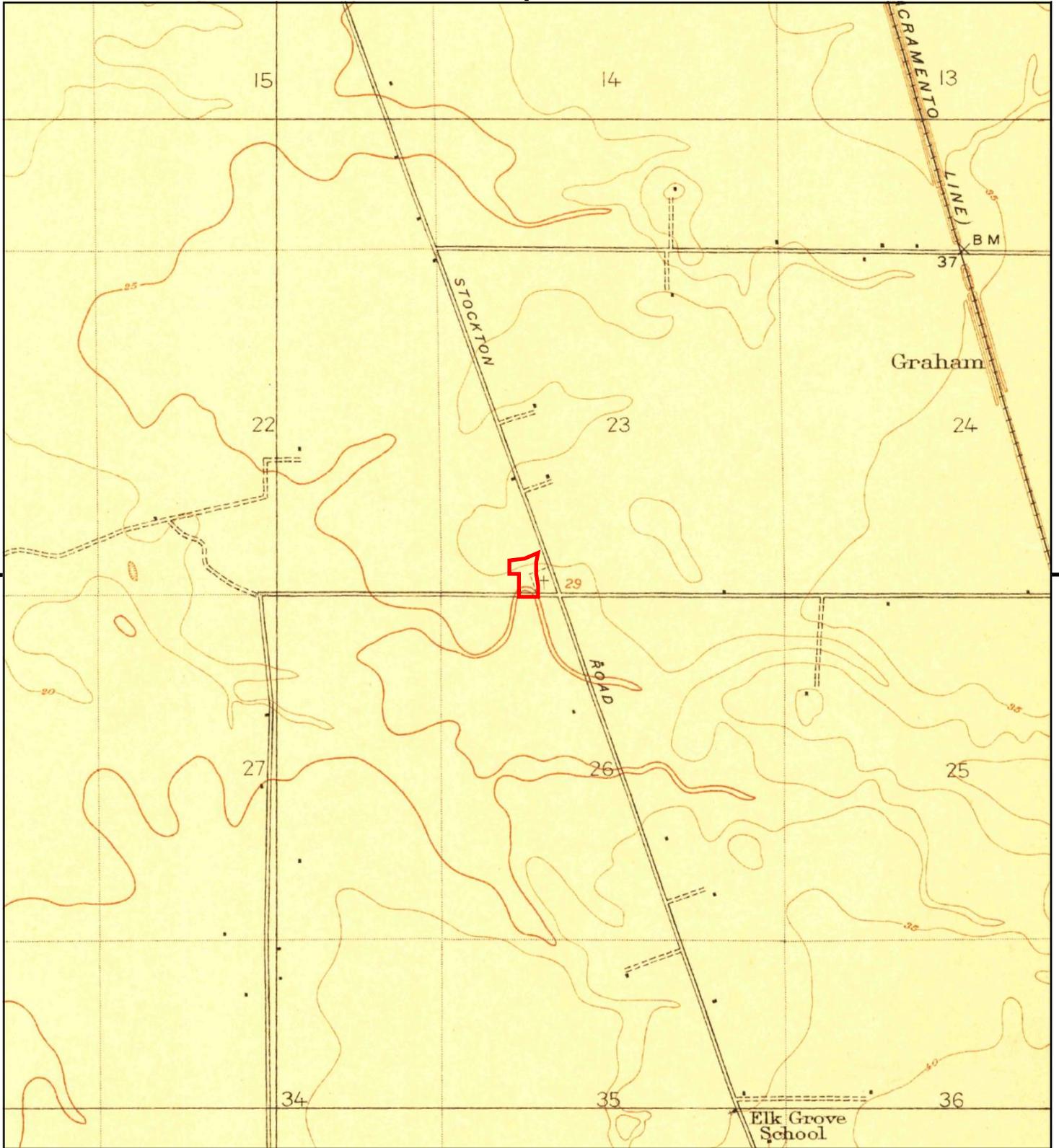
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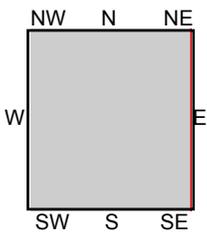
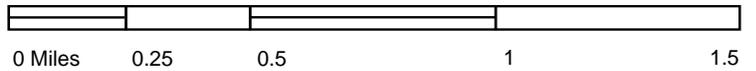
TP, Franklin, 1941, 15-minute

SITE NAME: Maverik - Elk Grove, CA
 ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
 Elk Grove, CA 95758
 CLIENT: Cardno, Inc.





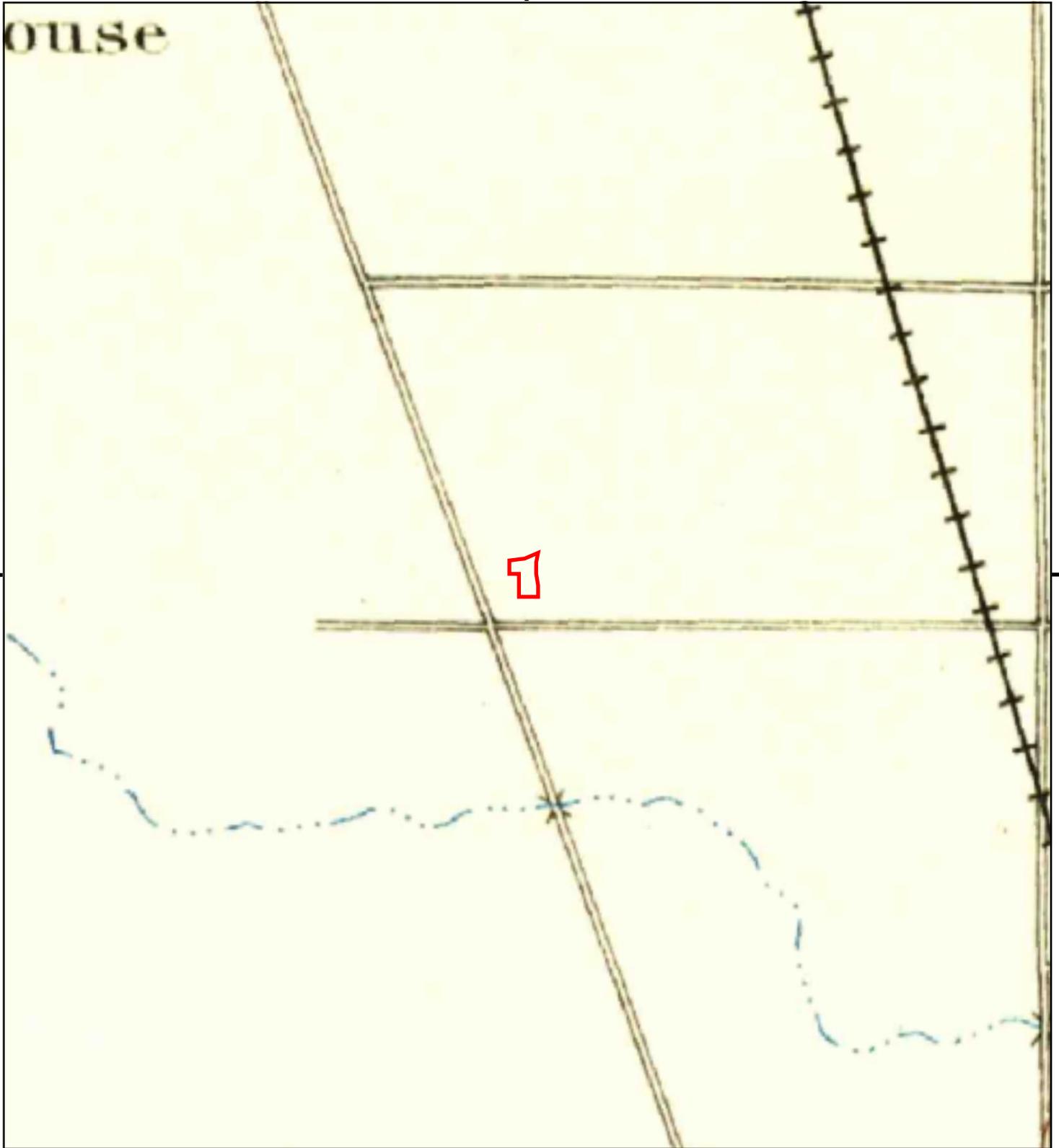
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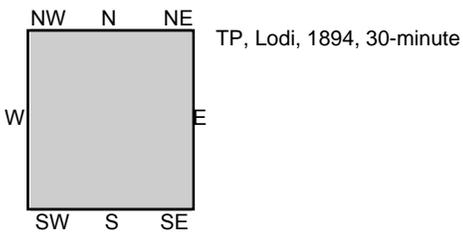
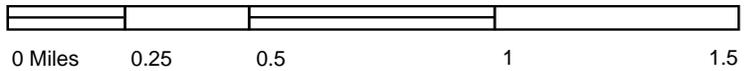
TP, Florin, 1909, 7.5-minute
E, Elk Grove, 1909, 7.5-minute

SITE NAME: Maverik - Elk Grove, CA
ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
Elk Grove, CA 95758
CLIENT: Cardno, Inc.





This report includes information from the following map sheet(s).



SITE NAME: Maverik - Elk Grove, CA
 ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
 Elk Grove, CA 95758
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Maverik - Elk Grove, CA

NWC of Sheldon Rd & W Stockton Blvd
Elk Grove, CA 95758

Inquiry Number: 6119619.5
July 16, 2020

The EDR-City Directory Image Report

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report 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 Report includes a search of available city directory data at 5 year intervals.

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. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1985	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1981	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1971	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

NWC of Sheldon Rd & W Stockton Blvd
Elk Grove, CA 95758

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
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SHELDON RD

2017	pg A2	EDR Digital Archive
2014	pg A10	EDR Digital Archive
2010	pg A17	EDR Digital Archive
2005	pg A25	EDR Digital Archive
2000	pg A29	EDR Digital Archive
1995	pg A32	EDR Digital Archive
1992	pg A35	EDR Digital Archive
1985	pg A37	Haines Criss-Cross Directory
1981	pg A40	Haines Criss-Cross Directory
1975	pg A43	Haines Criss-Cross Directory
1975	pg A44	Haines Criss-Cross Directory
1971	pg A46	Haines Criss-Cross Directory

W STOCKTON BLVD

2017	pg A6	EDR Digital Archive
2014	pg A13	EDR Digital Archive
2010	pg A21	EDR Digital Archive
2005	pg A26	EDR Digital Archive
2000	pg A30	EDR Digital Archive
1995	pg A33	EDR Digital Archive
1992	pg A36	EDR Digital Archive
1985	pg A38	Haines Criss-Cross Directory
1985	pg A39	Haines Criss-Cross Directory
1981	pg A41	Haines Criss-Cross Directory
1981	pg A42	Haines Criss-Cross Directory
1975	pg A45	Haines Criss-Cross Directory
1971	pg A47	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

SHELDON RD 2017

7401 LOS PRIMOS MEXICAN FOOD ELK GROVE
7405 JIFFY LUBE
7515 ABARA, ANDREA
ADAMS, SEAN
AMAN, REAHNNA R
ANAND, JOHN R
ANDERSON, RUBILENE V
AUJLA, GAGANDEEP
AVILLA, RENEE C
BAKHSHI, MORTAZA
BALANI, CHRISTINE
BARAJAS, HECTOR M
BARRINGER, LYNN H
BEDNARZ, LARRY J
BENJAMIN, DANNY
CALDERON, MISTY M
CARROLL, AUBREY
CHEN, PHILLIP S
CHONG, CONNIE
CHU, HAIGUANG A
CONKLIN, MARY L
COOPER, LUGENE M
CORNEJO, RUTH M
COSGAYA, LINDSAY
COX, RUSSELL H
CROWDER, SIANNA
CURRIE, KRISTINA R
DAMPER, S
DAVIS, LOVE D
DINH, TIEN A
DUNCAN, KERRY
DUONG, QUANG
EADDY, TAKISHA
ESCALA, RONALD
FANT, NICOLE L
FARHANG, TORPEKAY
FERGUSON, LAREN D
FOLKES, ROBBIE A
FORD, LEEANN A
FOUTZ, KARINA L
FULCHER, RASHAWN L
GACUTAN, NAPOLEON D
GAGE, KRISTIN A
GALLEGOS, CHRISTOPHER L
GARCIA, GABRIELLA
GARRIGAN, AFAMASAGA C
GEORGE, NYENBEKU C
GHOSH, KUNAL K
GILPATRICK, STEPHEN J
GONZALES, JASON M

SHELDON RD 2017 (Cont'd)

7515 GOODMAN, BRITTANY E
GRANT, ROSLYN M
GUIDRY, LEARENCE J
HA, PHUONG D
HAMDALLAH, ISLAM K
HAMMON, LAWRENCE C
HASKINS, THERESA
HEISE, HEATHER M
HELMAND, HERMAN
HENDERSON, LATAISHA R
HO, LYNN
HOPKINS, DAVID L
JACKSON, NYREE D
JOHNSON BILLING SERVICE
JOHNSON, LEROY D
JOHNSON, ROBERT C
JONES, CATRINA M
JUAREZ, MIGUEL
KLOVER, EMILY J
KUMAR, ANIL
LAM, SAMANTHA S
LINETTE, BUENROSTRO T
LOZANO, MARIA
MARONEY, ALYNN
MCCREARY, GENELLE M
MCINTYRE, DAVID B
MEKATA, LEANDRA K
MENTON, KATHLEEN E
MUTHONI, JUDY
NATIVIDAD, MICHELLE
NELSON, MICHAEL R
NGO, KRISTEN T
NGUYEN, LINDA
NGUYEN, THANH D
NNAMATA, JACQUELINE S
NOTT, MONTY L
OCHOA, OSCAR
OUCHMAME, FOUAD
OUK, SOKHANNA
OWENS, QUITHA M
PAMAL, CHRISTINA
PENNINGTON, ASTRID M
PEREIRA, ERIK A
PIERCE, TYISHA
PINO, TYLER
PRO, R C
PUN, JONATHAN
RAMIREZ, MIREYA
RAMIREZ, PATRICIA
RAMIREZ, SOFIA

SHELDON RD 2017 (Cont'd)

7515 RAY, ADINA
 REID, TIMOTHY J
 ROBB, PETRA J
 ROBERTSON, LYDIA J
 SAINI, SHITAL K
 SANTOS, ROLAND R
 SOLAIMAN, KHALID M
 SOTELO, MARIA R
 SSIEMANTEL, RYAN D
 STALLINGS, MATTHEW R
 STEPHENS, MARY A
 THOMAS, ANDREA L
 THOMPSON, WINONA Y
 TIQUI, RACHEL
 TORRES, JOHN A
 TOUART, JACIE C
 TRAN-SENGMANY, TUOI
 TRITT, JERRY R
 UAYAN, ARMANDO P
 WASHINGTON, NATHANIEL
 WATKINS, ANTHONY P
 WEIDENBACH, JOSHUA A
 WESTERN, SELWYN L
 WILLIAMS, DANIELLE R
 WILSON, LORRAINE D
 XIE, WEI L
 XUAN, YAN X
 ZARIF, TAWFIG
 ZHANG, YU H
 7615 GLORIA KU DVM
 HATTON VETERINARY HOSPITAL
 LAURA TAKATA DVM
 PETER L HATTON DVM
 8100 CHEVRON
 8106 KADI COMPUTERS
 MANA BEENA INC
 PAPERCLIPS TAX
 8112 IMAGE 81
 KINGS CHINESE RESTAURANT
 KWIK N SAVE INC
 LYNNS NAILS
 8126 DOLLAR TREE
 8140 A EMERGENCY LOCKSMITH
 CARLS JR
 8142 REDBOX
 WINCO FOODS
 8160 TUTOR TIME
 8170 PANDA EXPRESS
 TACO BELL
 8180 CLIP DOCTORS LLC

Target Street
✓

Cross Street
-

Source
EDR Digital Archive

SHELDON RD 2017 (Cont'd)

8180 PANDA EXPRESS

W STOCKTON BLVD 2017

8450 THE SECRET GARDEN
 8476 BENSON, JOAN M
 BURREN, CHERISH
 FOSTER, LEON
 GAGLIARDI, AMELIA L
 GONZALEZ, CONCEPCION M
 HAMMONDS, TYRONE
 KEIN, MELODY L
 KIMBERLY, MUNOZ
 KIRTLEY, PATRICIA R
 LEDYARD, JACK C
 LEWIS, WESLEY G
 LOPEZ, CINDY M
 MALLOY, TOM C
 NEWTON, MATTHEW E
 NEWTON, SAMANTHA R
 PARDINI, PATRICIA
 SAGEN, LARRY
 SAGEN, LARRY A
 SANTIAGO, CORINA C
 SCHMELTZ, BRIAN
 SCHMELTZ, OHARA
 SHELTON, ROBERTA A
 SHEPARD, JAMIE
 SMITH, ELAINIE
 STANLEY, ROBERT S
 STEPHENS, CARL L
 THE WESTERNER MOBILE HOME PARK
 WEIHS, MARCIE R
 WHISENANT, JONATHAN
 WISTOS, CHARLA M
 WRIGHT, ARTHUR O
 ZAMLICH, ROBERT
 ZHEN, JING
 8666 SENTRY STORAGE
 8680 UHAUL
 8686 BILBREY, CHRISTINE A
 CONRAD, TERRY
 FRANCIS, STUART
 HAGEN, GERALD D
 LOGAN, TINA
 MALMGREN, RANDY R
 READ, LAWRENCE
 RYNO, CHRIS
 SCANAVINO, MATT E
 VINCENT, KIM D
 ZENG, HUI
 8706 HOPE, VILLALUNA
 9105 LOGANS ROADHOUSE
 9131 ADT SECURITY SERVICES

W STOCKTON BLVD 2017 (Cont'd)

9135 SPRING VILLA CHINESE CUISINE
 STEVES PIZZA INC
 9139 EUROPEAN WAX CENTER
 MASSAGE ENVY
 MCDONALD HEARING AIDS
 9141 ULTA
 ULTRA SALON
 9150 HOME SERVICES AT THE HOME DEPOT
 THE HOME DEPOT
 9154 TJ MAXX
 9155 OLD NAVY
 9158 AMAZING LASH STUDIO ELK GROVE
 SLEEP NUMBER BY SELECT COMFORT
 9160 BEVMO
 BEVMO 32
 JAMBA JUICE
 JAMBA JUICE 507
 9170 AT&T
 ATHLETIC SHOES
 CLAIRES
 COLD STONE CREAMERY
 VEGA, DEBI L
 VENUS NAILS
 WELLS FARGO BANK
 9175 HOLIDAY INN EXPRESS & SUITES ELK GRO
 9195 MIMIS CAFE
 9280 ADT SECURITY SERVICES
 CORNERSTONE TITLE COMPANY
 JUDY & SAMANTHA TEAM
 RE MAX
 RMR FINANCIAL LLC
 SUTTER MEDICAL FOUNDATION
 THINK TOGETHER
 VALENZUELA, LOURDES
 9290 COMMUNITY PSYCHIATRISTS
 MEDICAL WEIGHT MANAGEMENT SERVICES
 THE ROSA LAW GROUP
 THOMAS GILLIS ATTORNEYS
 9300 HARTER & ASSOCIATES
 ISSE SERVICES
 9324 REDDY MEDICAL SERVICES
 9340 JOHN A OSHETSKI DDS MSD
 9360 LYON & ASSOCIATES
 9370 COUNTRY HOME CARE
 ECA EDUCATION CENTER
 LYON REAL ESTATE
 NORTH AMERICAN TITLE GUARANTEE
 ROCKY MOUNTAIN HOME CARE
 THOMAS GILLIS ATTORNEYS
 9392 GARCIA, MAURICIO D

W STOCKTON BLVD 2017 (Cont'd)

9428 JOHNSTON, JUDY T
 9440 ALLEN, JOSEPH A
 ALVAREZ, PEDRO
 ARAGON, ARTURO S
 ATTAI, KHAN M
 BATTON, GERALD W
 BELTRAN, JESUS
 BHATIA, DAVINDER K
 BLEAK, KRISTEN
 BOYKIN, TINA M
 BROWN, JILLIANNE
 BROWN, MICHELLE R
 BUCKNER, DORIAN E
 CARTER, MELVIN
 CHILDS, IVETTE R
 COX, MICHAEL
 CROSS, MEKA
 CUNO, KEVIN M
 DINATALE, CHRISTINA
 DOBLE, JACKIE A
 EDDINGS, ANTHONY
 ELENA, CIRSTE A
 ESSA, ALI A
 FLORES, RAQUEL
 FONTENOT, JACQUELINE N
 FRAZIER, TYRESHIA R
 GALLEGOS, LEON L
 GARDNER, AVA
 GARRETT, KENDALL
 GOMEZ, SELENA
 GONZALES, VALERIA D
 GONZALEZ, MARIA
 GRANT, GENEVA L
 GRAY, BRITTNEY
 HAMMOND, ANGIE L
 HARDIE, ANDREW
 HASEQ, AHMAD S
 HASSAN, MUDASSAR
 HERRING, CHARLOTTE D
 HOFFMAN, TRACY
 HOLMES, ANNETTE
 HUDSON, GARY L
 JENNINGS, TYESE K
 JIMENEZ, ALMA
 JOHNSON, ERNEST
 KHAN, NAZISH
 KNIGHT, DONNA J
 MACHADO, FRANK F
 MANNING, SHANIQUE L
 MATHENIA, LACHELLE R

W STOCKTON BLVD 2017 (Cont'd)

9440 MCMORRIS, ANTHONY
MORADI, MORSAL
MOSLEY, DONTE
NOORI, FARIDA
OLMSTEAD, JEROME D
ORONA, CARLOS A
PIERSON, JEAN B
POLLS, KATHY A
RANJBAR, ABDULHAKIM
SAECHOW, TOM
SAWYER, COURTNEY
SCOTT, MATTHEW R
SMITH, HELEN R
SOTO, ANGIE
THOMAS, APRIL J
THORNBURG, MARLENE
VILLANUEVA, MARK U
WATTS, VALENTINE
WILLIAMS, DEJA
WILLIAMS, JOHNATHAN
WOODARD, NAILAH
YAQOOBI, KHALID
ZABIHULLAH, KHWAJA
9450 ROSALES, TONY C
9480 EXTRA SPACE STORAGE

SHELDON RD 2014

7401 RAFAS MEXICAN FOOD
7405 JIFFY LUBE
7515 ABARA, ANDREA
ACCETTOLA, GABRIELA M
AFAMASAGA, BOB A
ANAND, JOHN R
ANDERSON, RUBILENE V
ANDRADE, EDUARDO J
AVILLA, RENEE C
BAKER, KASEY G
BARRINGER, LYNN H
BENJAMIN, DANNY
BISHOP, HALIMAN B
CALDERON, MISTY M
CAMARENA, JEREMIAH
CARROLL, JAMIE N
CHAVEZ, ALFIO
CHEN, PHILLIP S
CHONG, CONNIE
CHU, HAIGUANG C
CONKLIN, MARY L
CORNEJO, RUTH M
CRAWFORD, FRANK L
DANG, CUONG
DANIELS, MARCUS
DAVIS, LOVE D
DENHALTER, TODD A
DINH, KIMHOAN
DINH, TIEN A
DWELLE, DANIEL D
DYKES, JASON W
EADDY, TAKISHA
EARLS, TIARRA J
ESCALA, RONALD
FANT, NICOLE L
FARHANG, TORPEKAY
FELTON, LINDA L
FERGUSON, LAREN D
FOLKES, ROBBIE A
FOUTZ, KARINA L
FRANKLIN, GENEANNE M
FULCHER, VANESSA L
GACUTAN, NAPOLEON D
GALLEGOS, CHRISTOPHER L
GARCIA, GABRIELLA
GEORGE, NYENBEKU C
GERVAIS, GARY S
GONZALES, JASON M
HA, PHUONG D
HALL, ANTHONY

SHELDON RD 2014 (Cont'd)

7515 HALL, JOSHUA S
HAMMON, LAWRENCE C
HARVEY, CAROLYN E
HEINSEN, TRACY D
HELMAND, AMAD U
HENDERSON, LATAISHA R
HO, LYNN
HOANG, STACY T
HOPKINS, DAVID
JACKSON, KENNETH S
JACKSON, NYREE D
JAOJOCO, NORMAN L
JOHNSON, JERI D
JONES, JESSICA E
KIRSTEN, KELLY L
KLOVER, EMILY J
KUMAR, ANIL
LAWSON, SHERRI L
LEMONS, TROY D
LINETTE, BUENROSTRO T
LOZANO, MARIA
MALLATT, JIM L
MALLOY, ANNE A
MANONGDO, JOHN B
MAY, COLE L
MCCREARY, GENELLE
MCDUFFIE, HEATHER M
MCINTYRE, DAVID B
MCINTYRE, JOANN R
MCPROUTY, ERIC W
MEKATA, LEANDRA K
MENTON, KATHLEEN E
NGO, KRISTEN T
NGUYEN, LINDA
NGUYEN, NINA
NIKAKIS, SEAN P
NOTT, MONTY L
OUCHMAME, FOUAD
OWENS, QUITHA M
PAMAL, CHRISTINA
PECKHAM, NICHOLE M
PEREIRA, ERIK A
PHAM, VU N
PHAN, MERRILL T
RAMIREZ, PATRICIA
RAY, LYLE
REDANIEL, MOISES R
RIVERA, DANIEL
ROBB, PETRA J
SAECHAO, MEY Y

SHELDON RD 2014 (Cont'd)

7515	SAINI, SHITAL K SAKO, MINAO SALBER, DIANE M SENGMANY, VICTOR V SOTELO, MARIA R SSIEMANTEL, RYAN D STEPHENS, MARY A STEVENS, FRANCINE TAM, SARAH THOMAS, DWAYNE M THOMPSON, RICHARD THURMAN, TRAVIS R TIQUI, RACHEL TORRES, JOHN A TOUART, JACIE C TRITT, JERRY R VAN, CAM A WASHINGTON, SANDRA K WATKINS, ANTHONY P WATTS, TRACEE R WEBB, RANDALL WELLS, LESLIE J WESTERN, SELWYN L WILSON, LORRAINE B XIE, WEI L YIP, CARMEN ZARICK, MICHELLE P ZHANG, YU H
7615	GELDERMAN KELLEY DVM HATTON PETER L DVM HATTON VETERINARY HOSPITAL KU GLORIA DVM TAKATA LAURA DVM
8100	CHEVRON STATION ELK GROVE SHELDON ROAD CHEVRON
8106	KADI COMPUTERS MANA BEENA INC
8112	KITCHEN INC HUADU KWIK N SAVE INC LA BEAUTY SALON MOHAMED HASSAN DDS INC SHELDON DENTAL TOBACCO MAN
8140	CKE RESTAURANTS INC
8142	WINCO FOODS
8160	TUTOR TIME
8170	TACO BELL

W STOCKTON BLVD 2014

8408 OCCUPANT UNKNOWN,
 8416 DIAS, FRANK A
 8450 SECRET GARDEN THE
 8476 AKRIDGE, CLIFFORD
 BURRES, CHARLES M
 DIGESTI, STELLA J
 ESTRADA, CORINA
 GAGLIARDI, AMELIA L
 HAMMONDS, TYRONE
 JONES, SHIRLEY
 KEIN, MELODY L
 LEDYARD, JACK C
 MCHUGH, KEVIN J
 METCALF, SUZANNA M
 MUNOZ, MAURICE M
 NEWTON, MARC E
 ORR, JOAN M
 SAGEN, LARRY
 SCHMELTZ, BRIAN
 SHELTON, ROBERTA A
 SHEPARD, JAMIE
 STANLEY, ROBERT S
 STEPHENS, CARL L
 VOLKER, MARVIN R
 WEIHS, KEITH
 WESTERNER MOBILE HOME PARK THE
 WHISENANT, JONATHAN
 WRIGHT, ARTHUR O
 8510 OCCUPANT UNKNOWN,
 8520 PRATTON, DARRELL G
 8650 A ONE USED STORE
 8666 SENTRY STORAGE
 8668 DODSON, WILLIAM G
 8672 ELK GROVE CYCLE CENTER
 8680 ALL STORAGE
 UHAUL
 8686 DEHERRERA, EDWARD L
 PULLIAM, CAROL
 THOMPSON, VICTOR J
 TINARI, ROBERT
 8712 OCCUPANT UNKNOWN,
 8714 OCCUPANT UNKNOWN,
 9105 LOGANS ROADHOUSE
 9131 ADT SECURITY SERVICES
 BEST BUY
 9135 SPRING VILLA CHINESE CUISINE
 STEVES PIZZA INC
 9139 EUROPEAN WAX CENTER
 MASSAGE ENVY
 MCDONALD HEARING AIDS

W STOCKTON BLVD 2014 (Cont'd)

9141	ULTA ULTRA SALON
9145	BED BATH & BEYOND
9150	THE HOME DEPOT
9154	T J MAXX
9155	OLD NAVY
9158	SHOE DACA SLEEP NUMBER BY SELECT COMFORT
9160	BEVMO 032 JAMBA JUICE SAGE POOLS
9170	AT&T AT&T MOBILITY ATHLETIC SHOES CLAIRES COLD STONE CREAMERY VENUS NAILS INC WELLS FARGO WELLS FARGO BANK
9195	MIMIS CAFE
9198	ROMANOS MACARONI GRILL
9280	RE MAX SUTTER REHABILITATION CENTERLAGUNA WITKIN GABRIEL REMAX FAX
9290	COMMUNITY PSYCHIATRISTS MEDICAL WEIGHT MANAGEMENT SERVICES NATIONWIDE INSURANCE BPH INSURANCE ROSA LAW GROUP THE
9300	HENRY UNG REAL ESTATE GRP OWENS FINANCIAL GROUP
9324	FRONTIER SAC RIVER REDDY MEDICAL SERVICES
9340	LAGUNA CHILDRENS DENTAL CARE LE DAI DDS OSHETSKI JOHN A DDS MSD
9370	COUNTRY HOME CARE ECA EDUCATION CENTER NORTH AMERICAN TITLE GUARANTEE ROCKY MOUNTAIN HOME THOMAS GILLIS ATTORNEY THOMAS, GILLIS
9392	NESLEY, WALTER G
9428	JOHNSTON, JUDY T
9440	ALLEN, JOSEPH A AMRINE, KYLE W ARAGON, ARTURO S ARCHIE, KEVIN ARENAS, DIANA BARRIS, ED BELTRAN, JESUS

W STOCKTON BLVD 2014 (Cont'd)

9440 BHATIA, DAVINDER K
 BRYSON, DIANE
 CARMINE, LINDSEY J
 CARTER, MELVIN
 CASAS, JESUS
 CIFUENTES, MARIA
 CISNEROS, RAUL R
 CLAY, CHRISTINA
 CROSS, SEMEAKIA
 CUNO, KEVIN M
 DIAZ, REYNALDO
 DOBLE, JACKIE A
 EDDINGS, ANTHONY
 FORD, GARY D
 GARDNER, AVA R
 GRAF, TIFFANY
 GREEN, ALTON A
 GRIFFITH, JAMES
 GUTIERREZ, ADAM
 HASSAN, MUDASSAR
 HODGES, CORINTHIANS
 HOFFMAN, LISA
 HOLMES, ANNETTE
 HOUSE, VERONICA J
 HOWARD, MONIQUE
 HUDSON, GARY L
 JENNINGS, TYESE K
 JIMENEZ, ALMA
 JONES, CHARLES W
 KHAN, NAZISH
 KIDD, ANGELIQUE
 KNIGHT, DONNA J
 LOOPER, DAVID
 MACHADO, FRANK F
 MARTINEZ, LIZ T
 MARWIEH, FLOYD
 MCINTOSH, ANGELA S
 MEEKS, MARVIN R
 ORTIZ, ALEJANDRA C
 PIKE, IRVING
 POS, SIYA
 RIOS, LACRESHIA O
 SAECHOW, TOM
 SCOTT, DARYL O
 SHAW, BELINDA
 SIMON, JENNIFER
 TERRACINA AT ELK GROVE
 TERRAZAS, CINDY
 THOMAS, TIMOTHY A
 URBAN, JANET

W STOCKTON BLVD 2014 (Cont'd)

9440 VASQUEZ, P
VENTURA, ANDREA L
VIGLIENZONI, JOSEPH
WEST, AMANDA
WILLIAMS, JOHNATHAN
WILSON, JEAN B
WRIGHT, NEKISHAUN R
9450 ROSALES, TONY C

SHELDON RD 2010

7401 LOS PRIMOS MEXICAN FOOD
7405 JIFFY LUBE
7515 ABARA, ANDREA
ACCETTOLA, GABRIELA M
ADAMS, SEAN
AFAMASAGA, BOB A
AGUSTIN, MARIA T
ALIFS, JAMES
ANDERSON, RUBILENE V
ANDRADE, EDUARDO J
AVILLA, RENEE
BAKER, KASEY G
BARAJAS, HECTOR M
BUENROSTRO, TANYA C
BURCKHARD, REINI L
CALDERON, MISTY M
CHONG, CONNIE
CHU, HAIGUANG C
CONKLIN, MARY L
CORNEJO, RUTH M
CURRIE, KRISTINA R
DANG, CUONG
DANG, DAVID T
DANIELS, MARCUS
DAVIS, LOVE D
DAWES, ANNE A
DINH, KIMHOAN
DINH, TIEN A
DR & HORTON
DYKES, JASON W
EADDY, TAKISHA
EJIASA, ANDREA D
ESCALA, RONALD
EVANS, CYNTHIA M
FANT, NICOLE
FERGUSON, LAREN D
FOLKES, ANNA M
FOLKES, ROBBIE A
FULCHER, VANESSA L
GACUTAN, NAPOLEON D
GARCIA, GABRIELLA
GEORGE, NYENBEKU C
GERVAIS, GARY D
GRABERT, BRIAN R
GRIFFIN, MICHAEL E
HALL, ANTHONY
HALL, JOSHUA S
HAMMON, LAWRENCE C
HAWKINSON, STACY J
HEISE-MCDUFFIE, HEATHER

SHELDON RD 2010 (Cont'd)

7515 HENDERSON, LATAISHA R
HIGGINS, TERRIE A
HILL, JOVON
HO, LYNN
HODAPP, NICHOLAS D
HOPKINS, DAVID
HOYER, DELLANA
JACKSON, KENNETH S
JACKSON, NYREE
JAOJOCO, ARMANDO E
JOHNSON, JOHN L
JOHNSON, LEROY D
JOHNSON, LESLIE A
JOHNSON, MICHAEL L
JONES, JESSICA
KANEMOTO, ERIN M
KENNEDY, SHAWANNA
KLOVER, EMILY J
LATOURE, GINA M
LAWSON, SHERRI L
LE, LOAN T
LEMONS, TROY D
LEUNG, KA Y
LIU, LIANWU
LORUSSO, AMBER
MALLATT, JIM L
MANONGDO, JOHN B
MASSIE, AARON M
MAYFIELD, JOSIAH
MCCHESENEY, ELIZABETH
MCCREARY, GENELLE
MCINTYRE, DAVID B
MCPROUTY, ERIC
MEACHAM, ROBERT A
MEKATA, LEANDRA K
MENTON, KATHLEEN E
MINGUA, EARLENE A
MOFIDI, JOHN J
NGO, KRISTEN T
NGUYEN, NGA T
NGUYEN, THANH T
NYBORG, BRANNON L
OROZCO, JOHN
OWENS, QUITHA M
OWENS, SHALINA P
PECKHAM, RENEE M
PEREZ, CHRISTOPHER T
PHAM, VU N
PHAN, MERRILL T
PIONTEK, SHAUN

SHELDON RD 2010 (Cont'd)

7515 RAMOS, PATRICIA M
 RATHJEN, LEONARD D
 REID, KATHARINE
 RIVERA, DANIEL
 ROBB, CAROLYN D
 SAETERN, KAO S
 SAINI, SHITAL K
 SAKO, MINAO
 SCHROM, JOHN G
 SENGMANY, VICTOR V
 SMITH, CHRISTOPHER A
 SOLKES, ROBBIE
 SOLTAU, JAMIE A
 SOTELO, MARIA R
 STEPHENS, MARY A
 STEVENS, FRANCINE
 TAM, CHING T
 THOMAS, DWAYNE M
 THOMPSON, WINONA Y
 THURMAN, TRAVIS R
 TORRES, JOHN A
 TOUART, JASON
 TRITT, JERRY R
 TSOI, HOK M
 VAN, CAM A
 WASHINGTON, SANDRA K
 WATKINS, ANTHONY P
 WATSON, MORGAN
 WILLIAMS, DANIELLE R
 WILLIAMS, KENNETH P
 WILLIAMS, WILMA C
 WILLIAMSON, DUFFNEY J
 WILSON, LORRAINE B
 YIP, LESLIE D
 7615 HATTON VETERINARY HOSPITAL
 7725 GOLDEN VALLEY ACADEMY
 8100 AIRPORT SHUTTLE
 SHELDON ROAD CHEVRON
 8106 BANK OF THE WEST
 8112 CURVES
 FRESH CLEANERS
 LA BEAUTY SALON
 LA CAMPINA TAQUERIA
 LYNNS NAILS
 METRO PCS
 MOHAMED HASSAN INC
 MOHAMED, HASSAN
 POSTNET
 TOBACCO MAN
 8126 DOLLAR TREE

SHELDON RD 2010 (Cont'd)

- 8126 I CANDY
IMAGE BEAUTY SUPPLY & BRAIDS
- 8140 CARLS JR
- 8142 LEONARDIS PIZZA
WINCO FOODS
- 8160 PRESTIGE PRE SCHOOL INC
- 8170 TACO BELL

W STOCKTON BLVD 2010

8000 KAUR, SANDEEP
 8010 GARCIA, CAYETANO
 8408 OCCUPANT UNKNOWN,
 8416 DIAS, FRANK A
 8474 MCAULIFFE, JANICE
 8476 AATC LOCKSMITH
 AKRIDGE, CLIFFORD
 BENSON, MARILYN K
 BURREN, CHARLES
 CARTE, GREG F
 ESTILL, RAIF
 FULLER, SUZANNA M
 GAGLIARDI, AMELIA L
 MCHUGH, KEVIN J
 MUNOZ ELECTRIC
 NOBLE, PATRICIA
 RALSTON, RUSSELL L
 RODRIGUES, ANTONIO M
 SAGEN, LARRY
 SIMS, JOHN D
 STEPHENS, HELEN
 VOLKER, MARVIN R
 WEIHS, MARCIE R
 WESTERNER MOBILE HOME PARK
 WRIGHT, NATHAN R
 ZYGACZENKO, MICHAEL
 8510 BROWN, REGINA
 8512 GARRISON, CORRIE
 8520 VENTURA, SANTIAGO
 8650 A1USTORE
 8666 SENTRY STORAGE
 8668 WILLIS, CONNIE
 8672 ELK GROVE CYCLE CTR
 OCCUPANT UNKNOWN,
 8680 ALL STORAGE OF ELK GROVE
 UHAUL CO
 8686 FULLER, SUSAN
 GREER, LARRY
 HOYT, S
 LARSON, DAVID W
 LOFITS, J
 PATRICK, JOYCE D
 PULLIAM, CAROL
 STANLEY, KIRSTIE
 WEIHS, KEITH A
 8690 ACCREDITED FINANCIAL ADJUSTERS
 CENTRAL FENCE
 8696 FLOORS & MORE DESIGN CTR
 8700 A J MARKET
 JAYA CORP

W STOCKTON BLVD 2010 (Cont'd)

8700	ROUTE 99 LIQUOR
8706	JOHNSTON, CYNTHIA
8712	OCCUPANT UNKNOWN,
8714	OCCUPANT UNKNOWN,
9105	LOGANS ROADHOUSE
9131	MAGNOLIA HOME THEATER
9135	BASKINROBBINS
	GATEWAY PIZZA INC
	SPRING VILLA CHINESE CUISINE
	STEVES PIZZA
	TOGOS
9139	MASSAGE ENVY
	MC DONALD HEARING AIDS
9141	ULTA BEAUTY
9145	BED BATH & BEYOND
9150	HOME DEPOT
9154	TJ MAXX
9155	OLD NAVY
9158	BARBEQUE GALORE
	OMAHA STEAKS STORE
9160	BEVMO
	JAMBA JUICE
	WELLS FARGO FINANCIAL
9170	ARTPIX PORTRAIT STUDIO
	ATHLETIC SHOES
	CLAIRES
	COLD STONE CREAMERY
	COUNTRY CLUTTER
	VEGA, DEBI
	VENUS NAILS
	WELLS FARGO BANK
9175	HOLIDAY INN EXPRESS
9195	MIMIS CAFE
9198	OLD TOWN CREATIONS
9280	BOTT, GEORGE
	BUSINESS COMMUNITY CAPITAL
	CIG INC
	COUNTRYWIDE HOME LOANS
	DAN WHITEHEAD REAL ESTATE SVC
	DAVID KNOWLES HOME LOAN
	FIDELITY BROKERS
	JIM NATZ AT REMAX CENTRAL
	NORTHERN CAL SPEC DIST INS
	REAL ESTATE INFORMATION
	REMAX GOLD
	SACRAMENTO COUNTY WATER RSRCS
	SUTTER HEALTH REHAB SVC
9300	BLUECRANE INC
	COMMONWEALTH LAND TITLE INS CO
	DENSITOMETRY ELK GROVE CTR

W STOCKTON BLVD 2010 (Cont'd)

9300 FRANCISCO ROMEO J CPA
 FRANCISCO, ROMEO
 HANSON MC CLAIN INC
 JACKSON PROPERTIES INC
 LAGUNA CREEK REAL ESTATE SVC
 LIBERTY ONE
 9340 JOHN A OSHETSKI ORTHODONTICS
 LAGUNA CHILDRENS DENTAL CARE
 9370 AMERICAN FIDELITY ASSURANCE CO
 ROCKY MOUNTAIN HOME CARE
 SWAN POOLS ELK GROVE
 VGC REAL ESTATE GROUP
 9392 NESLEY, MARY K
 9428 CARNIVAL OF FUN
 JOHNSTON, JUDY T
 9440 BAUMGARTNER, MICHAEL L
 BELL, CHRISTOPHER
 BELTON, BRANDI
 BLEAK, LAURA M
 BUFFINGTON, CONSTANCE M
 CISNEROS, ALMA
 COLEMAN, AMIR
 COUTURE-JR, GERARD R
 CRAWFORD, HARRY
 CROSS, MEKA
 CRUMMEY, CASEY A
 DOYLE, ANGELIQUE
 ENGLE, KENNETH A
 FENNER, LINDA R
 FREED, DOROTHY E
 GARDNER, SHIPP A
 GARRISON, BRANT J
 GOMEZ, JAMES A
 HARRIS, CHRISTOPHER
 HASKINS, JEANETTA
 HERRING, CHARLOTTE D
 HODGES, CORINTHIANS
 ISAACSON, HEATHER
 JANGABA, IRIS
 KAUR, KAMALJIT
 KEMPKER, DENISE M
 LOOPER, MICHAEL P
 MARTINEZ, IRIS
 MATHENIA, LACHELLE R
 MCDONALD, GREGORY
 MCINTOSH, ANGELA S
 PREDOVICH, CYNTHIA D
 PYATT, DARRYLYNNE K
 QUICHOCHO, BARBARA
 ROBERTS, KIMBERLY

W STOCKTON BLVD 2010 (Cont'd)

9440 RODRIGUEZ, ALISIA
STEELE, CHARLOTTE M
TERRACINA APARTMENTS
THOMAS, JAMIE L
TODD, FREDERICK
TRAMELL, INDIA
TRUSEOLL, TRANAE
VILLANUEVA, MARK
WALL, NORMA
WENDLER, JUDITH L
WILLIAMS, N
WILSON, JEAN B
WILTON, PATRICIA
9450 ROSALES, TONY C
9480 CALIFORNIA STORAGE CTR

SHELDON RD 2005

7405 JIFFY LUBE
7515 OCCUPANT UNKNOWN,
7615 HATTON VETERINARY HOSPITAL
7725 GOLDEN VALLEY ACADEMY
8100 Y J K ENTERPRISES INC
8140 ELK GROVE YOUTH SOCCER ILLUSION
8142 WINCO FOODS
8151 KALWANI, GYAN
8159 HARPER, JOHN
8165 BAILEY, WILLARD E
8169 MCALISTER, L

W STOCKTON BLVD 2005

8408 OCCUPANT UNKNOWN,
 8474 MCAULIFFE, JANICE
 8476 AKRIDGE, CLIFFORD
 BALDWIN, R E
 BIRKLEY, SCOT A
 GILKS, JONATHAN E
 HOYT, CHARLES
 KEIM, JEFF
 LANE, STEVEN R
 LEWIS, MIKE
 MISTELE, FRED H
 MOUA, K
 PEREZ, JENNIFER A
 PERKINS, DEAN
 STEPHENS, HELEN
 THOMPSON, KIMBERLY
 VITELA, ANGELINA
 WESTERNER MOBILE HOME PARK
 8510 PRATTON, RANDY S
 8512 HORWATH, TOM R
 NGUYEN, MOA V
 PRATTON, DARRELL G
 8520 RAJ, JAI
 8672 OCCUPANT UNKNOWN,
 SACRAMENTO MOTORSPORT INC
 8680 ALL STORAGE OF ELK GROVE
 8686 ALLEN, DIANA
 BAYLES, AMBER
 BENDER, NATHANIEL D
 BROWN, JOHN
 DUKES, JORDAN
 HOYT, S
 LAGUNA VILLAGE
 PETERSON, AARON M
 WEIHS, KEITH A
 8700 FLOORS & MORE DESIGN CENTER INC
 FLOORS & MORE DESIGN CTR
 JAYA CORP
 8706 JOHNSTON, CYNTHIA
 8712 SOOTER, CHESTER R
 8714 OCCUPANT UNKNOWN,
 9131 BEST BUY
 9135 BASKIN ROBBINS / TOGO S
 SPRING VILLA CHINESE CUISINE
 9139 COPPER KETTLE CANDY CO
 J YEE & CO CORP
 SLEEPLAND
 9145 BED BATH BEYOND
 9146 STAPLES
 9150 HOME DEPOT INC THE

W STOCKTON BLVD 2005 (Cont'd)

9155	OLD NAVY
9158	BARBEQUE GALORE INC OMAHA STEAKS
9160	JAMBA JUICE
9170	A T & T WIRELESS ARTPIX PORTRAIT STUDIO AT & T WIRELESS COLD STONE CREAMERY COUNTRY CLUTTER VENUS NAILS WELLS FARGO BANK
9198	ROMANOS MACARONI GRILL
9280	ELK GROVE CHAMBER OF COMMERCE FINANCIAL TITLE NEW CENTURY TITLE CO PLACER TITLE CO SUTTER REHABILITATION CENTER
9300	CHRISTINA LESTER INSURANCE AGE ELK GROVE BONE DNSTMTRY CTR MERCURY PROVISIONING NEW AMERICAN REAL ESTATE WHITE DOVE FINANCIAL REALTY
9324	CITIZENS COMMUNICATIONS CO
9340	LAGUNA CHILDRENS DENTAL LE DAI DDS OSHETSKI JOHN A DDS MSD OSHETSKI, JOHN RICHERT, CINDY
9342	LAGUNA PALM DENTAL
9370	AMERICAN FIDELITY ASSURANCE JACK RICE LORIN BROWN LYON & ASSOCIATES REALTORS NATIONSCREDIT NORTH AMERICAN TITLE GUARANTY PARADIGM MORTGAGE CORP QUINN, JOHN J
9392	OCCUPANT UNKNOWN,
9428	CARNIVAL OF FUN JOHNSTON, JUDY
9440	ABREGD, VERONICA M AIROLA, S A AVILES, XIOMARA A BERRY, STEPHANIE D BRIONES, PRESENTACION DAVISON, FRANK B DINATALE, C M ESPARZA, JENNIFER GARDNER, TANYA GILMORE, JOYCE A

W STOCKTON BLVD 2005 (Cont'd)

9440 GRAY, CARRIE A
HAMMOND, ANGIE H
HELLGREN, ROBIN D
HERRERA, ISMAEL
JUST HAIR BEAUTY SUPPLY
KEMP, TIMOTHY M
KOONER, GURPREET S
LAM, PHONG Q
LOZA, IGNACIO G
MAHARAJ, SHANE
MAITA, WILLIAM S
MANNING, JEFF D
MAXWELL, BEVERLY
MCNEIL, THELMA
MIYASHIRO, NAOSHI N
MOSCA, SARAH
PARRISH, THOMAS B
PORTILLO, ABDON
PYATT, DARRYLYNNE K
QUITUGUA, JEANNEVIE
RICHARDSON, RODNEY T
STEELE, CHARLOTTE M
TERRACINA AT ELK GROVE
THOMAS, APRIL J
TIETJEN, JACQUELYN D
VERA, ALEJANDRO
WEST, JOHN
WILLIAMS, N
9450 ROSALES, TONY C
9480 ELK GROVE SPC LLC
STORAGE USA

SHELDON RD 2000

7615	HATTON VETERINARY HOSPITAL
7725	GOLDEN VALLEY ACADEMY
8119	FAMILY GOLF CENTERS
8159	HARPER JOHN
	OCCUPANT UNKNOWN,
8165	BAILEY, WILLARD

W STOCKTON BLVD 2000

8408 OCCUPANT UNKNOWN,
 8416 COYLE, SHANA M
 8476 BAUGUESS, B
 CZAP, MICHAEL T
 DOTY, GLORIA S
 GAGLIARDI, AMELIA L
 GONZALES, DANIEL R
 HOSKINS, CANDICE K
 MCGILL, ELSIE
 MISTELE, FRED H
 STEPHENS, HELEN
 THORNTON, MICHELE L
 VONDRACHEK, BERNARD F
 WAGNER, ROY R
 8510 OCCUPANT UNKNOWN,
 8512 OCCUPANT UNKNOWN,
 8520 PRATTON, DARRELL
 8666 ELK GROVE STORAGE 2
 SENTRY STORAGE
 8680 ALL STORAGE OF ELK GROVE
 U-HAUL CO INDEPENDENT DEALERS
 U-HAUL COMPANY INDEPENDENT DEALERS
 8686 99 TRAILER PARK
 BURTON, TINA M
 STEVENSON, PETER K
 WOLF, DWIGHT C
 8690 ACCREDITED FINANCIAL ADJUSTERS INCORPORATED
 AMERICAN LENDERS SERVICE COMPANY
 OCCUPANT UNKNOWN,
 8700 OCCUPANT UNKNOWN,
 8706 RITCHIE, ANITA M
 8712 SOOTER, CHESTER R
 8910 HAIGHT, LUTHER S
 9324 MED CLINIC
 9340 CUNNINGHAM, E
 LAGUNA PALM DENTAL
 OSHETSKI JOHN A MSD
 9370 GRIFFIN, JANARA L
 GRUSSENMEYER, APRIL R
 LYON & ASSOCIATES REALTORS
 9392 NESLEY, MARY K
 9400 SINGH, R
 9428 CARNIVAL OF FUN
 9440 AMRINE, KYLE
 BARRERA, SUZANNE L
 BRIONES, P
 BUCHER, J
 BUNCE, JOEL
 BYRD, C
 CELINO, TEODORA A

W STOCKTON BLVD 2000 (Cont'd)

9440 CRABTREE, NICOLE M
DAVISON, FRANK B
GARCIA, ROSA
GLISAN, K S
GOODENOUGH, BRYAN
HARLAN, TARA J
HILL, RONDA L
KEVIN, MADDOX
LAY, CHANTLY
LEISS, M M
NGUYEN, ALENE M
PHILLIPPS, JULIET
QUINTANILLA, ROBERT
ROSENBERG, ROWENA P
TERAN, NATALIE M
9450 ROSALES, T
9646 PRICE, TUESDAY
9700 LINDSAY, JAMES H
9878 MORGAN, MARILYN L
9896 EHRESMAN, JAKE
9938 BAUMANN, JACK

SHELDON RD 1995

7615	HATTON VETERINARY HOSPITAL MEAD, SUZANNE
7725	GOLDEN VALLEY ACADEMY
8119	LAGUNA CREEK GOLF CTR
8151	MONTOYA, GINGER
8159	HARPER, JOHN
8163	BATES, THOMAS
8165	BAILEY, WILLARD III
8169	OCCUPANT UNKNOWNN

W STOCKTON BLVD 1995

8408 OCCUPANT UNKNOWNN
 8416 OCCUPANT UNKNOWNN
 8476 CZAP, MICHAEL T
 HARRISON, KARYN
 HENSLEY, JOYCE A
 HESS, DIANE D
 HOLBROOK, C
 LANE, WILLIAM J
 MCGILL, ELSIE
 NELSON, LEE R
 PAGE, ROBERT L
 SERCOMBE, HAZEL A
 VONDRACHEK, BERNARD F
 WALKER, RALPH
 YOUNG, FREDDIE M
 8510 OCCUPANT UNKNOWNN
 8512 REICH, RON
 8520 PRATTON, DARRELL
 8666 CRAIG, GEORGE
 SENTRY STORAGE
 U HAUL CO
 8680 ALL STORAGE OF ELK GROVE
 OCCUPANT UNKNOWNN
 WYONA SAID
 8686 BREWER, MAXINE
 EATON, ALLAN
 JOHNSON, DARRELL K
 8690 AMERICAN LENDER SVC
 OCCUPANT UNKNOWNN
 8700 E & J MARKET
 8910 HAIGHT, LUTHER S JR
 9392 NESLEY, MARY K
 9400 FRISCK, KIM
 FRISH, KIM
 FRISK, KIM A
 9428 CARNIVAL OF FUN INC
 OCCUPANT UNKNOWNN
 9440 ARNO, ROSIE
 ASUNCION, NIMFA
 BALKO, RICHARD
 BIANCHI, P A
 BISHO, MYRTLE
 BLANCHI, P
 BRIGGS, KELLY R
 CALUZA, NICOLE
 CHERRY, RUTH
 CHRISMANRAND, M
 CLARY, SASHA
 COKERBROWN, TAMMY
 COLEMAN, JAMES

W STOCKTON BLVD 1995 (Cont'd)

9440	DAHL, DUANE DANNAKER, TERRI L DAVISON, FRANK B ENGLE, TAFFY ENGLISH, ADA O EVANS, CINDY FAISON, GENEVA FIELDS, EDDIE FREDERIC, JOANNE FUSCO, MELISSA A GANDARA, MARIA GILLESPIE, STEVEN GOODE, M GRAY, STEVE GRUBER, CHRIS HERROD, JOANNA HONCOOP, JEAN HUNTER, ROBIN KELLY, ALICE KELSO, ROBIN KNIGHT, TERRI L LADD, K LADD, KIM LUQUIAS, RICARDO LUTJE, BRIAN M MAIDONADO, AIXA MATTERN, PATRICK MENDIOLA, BETH PINARD, E RENAUD, TANYA SALINGER, DAN SMITH, DANA TALENT, LESLIE TATE, CAROL VUNISA, EMORI VUNISA, EMORIA WILLIAMS, M WOOD, DEBRA
9450	ROSALES, T
9700	LINDSAY, JAMES H
9878	ZEHNDER, JOHN L
9896	EHRESMAN, JAKE GASKINS, MINNIE ZEHNDER, LOUIS
9930	BOYER, RAYMOND

SHELDON RD 1992

7725 GOLDEN VLY ACADEMY
8119 LAGUNA CRK GLF CNTR
8159 HARPER, JOHN
8165 BAILEY, WILLARD III

W STOCKTON BLVD 1992

8416	DIAS, FRANK
8476	CARNEY, JANE
	CZAP, T
	GRAEF, JOHN
	HOLBROOK, C
	KACHADORIAN, VAHAN
	LABEFF, JULIUS
	LEWIS, MIKE
	SCHULTZ, SHIRLEY
	STEPHENS, HELEN
	WESTERNER MBL HM PK
8520	PRATTON, DARRELL
8666	U HAUL NGHBRHD DLR
8680	ALL STORAGE
	U HAUL NGHBRHD DLR
8686	WAY, ROBERT
8690	ACCREDITED FNCL ADJ
8700	E&J MARKET
8910	HAIGHT, L S JR
9260	CITIZENS UTLTY BLLG
9286	FULL GSPL CMNTY CH
9392	NESLEY, MARY K
9428	CARNIVAL OF FUN INC
	JOHNSTON, KENNETH
9700	LINDSAY, JAMES H
9878	ZEHNDER, JOHN L
9896	EHRESMAN, JAKE
	GASKINS, MINNIE
	ZEHNDER, LOUIS
9930	BOYER, RAYMOND
9938	BAUMANN, JACK

SHELDON RD 1985

SHELDON RD 95624
ELK GROVE

7515	BARTHOLOMEW DENNIS	689-1520	4
7725	SHEPARD M L	682-9783	9
8119	XXXX	00	
8159	XXXX	00	
8163	XXXX	00	
8165	BAILEY WILLARD 3D	682-3765	0
8169	ESTEP D M	682-2969	9
8289	KUNKEL GLEN	689-6097	+5
8310	CARPENTER RICHARD	682-9648	8
8320	XXXX	00	
8340	ROUTT DAVID	423-1288	3
8359	INDEP HOUBECLEANING	889-1088	4
	PULLIAM RICHARD	682-8306	2
8360	SMITH HERBERT	682-2282	
8365	XXXX	00	
8372	BECERRA HELIODORO C	682-9744	0
8385	RUEB DENNIS	689-7000	+5
8386	BROWN ROBERT J	682-2211	6
8400	XXXX	00	
8437	OBY HENRY	682-2014	
8476	DAVIS CHARLES P	682-2629	8
8499	XXXX	00	
8528	XXXX	00	
8604	NEWMAN NORMAN	682-2664	8
8645	BOULOS FAYEZ	689-3231	4
8665	WITT HAROLD B	682-2835	
8688	ELK GROVE RACOT CLB	689-2131	4
8693	LAW SAM	689-6258	+5
8765	XXXX	00	
8890	ELK GROVE STORAGE	682-2006	8
8901	BURKES ARABIANS	682-8832	0
9001	XXXX	00	

W STOCKTON BLVD 1985

STOCKTON BLVD 95624

ELK GROVE

8418	DIAS FRANK	582-8621	0
8476	WESTERNER MBL HM PK		
	ARROYO STEVE	682-6480	4
	BABCOKE M	689-4849	+5
	BENNEFIELD DUDE	682-3681	3
	BORDM V L	682-2868	
	CARNEY BILL	682-2068	0
	FERNANDES JOHN	882-9281	
	HELMER MERVIN	882-2683	9
	HOOD ROBERT 20	689-2683	4
	HOYT ROBERT F	882-5268	2
	HUBBELL HUGH SR	682-8903	1
	HUGHES BOBBIE	682-8861	2
	LANE W J	682-5431	3
	PAGE ROBERT L	682-3914	8
	ROBERTSON JOHN	682-3532	8
	ROSE ED	682-7306	0
	SCHULTZ S	882-3447	9
	SELBY RICHARD A	882-7243	8
	TAYLOR D	582-5522	4
	WESTERNER MBL HM FK	882-2715	
	YOUNG FREDDE M	589-6806	+5
8476			
8477	XXXX	00	
8510	DRAIN M	682-3223	9
8512	XXXX	00	
8520	PRATTON DARRELL	882-9289	7
8555	COMMUNITY DRIVE IM CH	882-2173	
	SAC OMINTY DR IN CH	882-2173	7
	SAC OMINTY DR IN CH	682-2174	2
8662	XXXX	00	
8672	LIVESTOCK EOPASPLY	882-7994	3
8678	HUDSPETH D	682-6554	2
8680	HUDSPETH D	882-6927	2
8885	BAADE MARTIN C	682-3142	0
	STEPHENS H V	689-3622	+5
8680	89 MORILE HM PK		
	DUBOSE SHARON	689-6060	+5
	LINTON A J	882-2321	1
	MOORE JAMES I	882-3485	9
	WAY ROBERT	582-6325	1
	89 MOBILE HOME PARK	882-2321	1
8686			
8690	ACCREDIT FINANCIAL	423-4092	+5
	TOMCO TRANSPRTM INC	423-3190	4
8691	BIENHAUS WILLIAM	582-9728	
8700	XXXX	00	
8701	LEONARD A J	682-2632	
8706	XXXX	00	
8712	XXXX	00	
8729	LEW HENRY	582-2820	
8746	XXXX	00	
8798	XXXX	00	
8801	VIRUNG STEEL FENCE	888-1648	+5
8821	MOBILE IMPLEMENT	882-9977	9
8883	GUARDIA WM	423-2637	3
8910	HAUGHT L S JR	585-2351	
8918	XXXX	00	
9140	ALBANESE P	685-2354	0
9189	XXXX	00	
9189	XXXX	00	
9168	EAST LAWN SOUTHGATE	423-1100	3
9234	ARMENTA ALFREDO	885-7509	2
9281	CITIZENS CMMCTNS SV	423-3838	4
	CITIZENS CMMCTNS SV	423-3839	4
	CITIZENS UTILTIES	885-7007	1
	CITIZENS UTILTYS BUS	485-7220	1
	CITIZENS UTILTYS RES	685-7100	1
9285	XXXX	00	
9308	XXXX	00	
9319	GARCIA FRANCISCO	885-2489	+8
9343	BENEDICTS BIRD ROOM	885-8082	+8
9380	HARRY'S HORSE TRAILR	423-1123	3
	HAWKINS JOHN	688-6080	4
	MENICUCCI GENEVA	685-9225	2
	MENICUCCI HARRY	423-1123	3
9368	OORTEZ MARIANO	888-6513	2
	ZAMBRANO JOAQUIN	885-1718	+8
9368	HOLLAWAY SHIPLEY	685-8937	4
9380	XXXX	00	
9381	FEICKERT ADAM	688-4703	8
9363	XXXX	00	
9385	XXXX	00	
9392	MESLEY M K	888-2358	8
9398	XXXX	00	
9410	XXXX	00	
9424	XXXX	00	
9428	JOHNSTON AMUSEMENT	885-2874	
	JOHNSTON KENNETH	885-2874	7
9434	SHARPES LESTER	888-2358	8
9442	XXXX	00	

W STOCKTON BLVD 1985

STOCKTON BLVD		96824 CONT	
9468	XXXX	00	
9470	MOYER ELSIE	685-7240	2
	MJNES ED	685-7030	0
9458	MCDONALD THOMAS E	685-2837	9
9489	ELK GROVE FORD	685-7000	4
	VANDENBERG LEABING	685-2000	4
9848	HARDESTY CHUCK	685-9122	0
	HREPICH WILLIAM	685-9623	8
9660	CA ST TRANSPORTATN	685-9844	1
	HREPICH PAUL V	685-4198	8
9700	LINDSAY JAMES H	685-4566	
9781	OAKS MOBIL HIRE CNTY	685-2788	7
9778	LINDSAY A L	685-9654	8
9878	ZEHNDER JOHN L	685-4486	8
	ZEHNDER TOM	685-2596	+8
9898	EHRESMAN JAKE	685-4886	8
	ZEHNDER LOUIS	685-9734	8
9930	XXXX	00	
9938	BAUMANN JACK	685-7194	0

SHELDON RD 1981

SHELDON RD 95624
ELK GROVE

5900	WIGHTMAN TOM	392-4744	+1
7515	BARTHOLOMEW DENNIS	383-0360	+1
7725	SHEPARD M L	682-9783	9
8119	NEED GEORGE H	682-2642	
8159	XXXX	00	
8163F	MATTHEWS RAYMOND H	682-2735	9
8165	BAILEY WILLARD 3D	682-3765	0
8169	ESTEP D M	682-2969	9
8310	CARPENTER RICHARD	682-9648	8
8320	ANDERSON CRAIG	682-3701	D
8340	ROUTT DAVID	381-0460	7
8360	SMITH HERBERT	682-2282	5
8365	HUFT MARK	682-7681	+1
8372	BECERA H C	682-9744	0
8385	KACHADORIAN VAHAN	682-2937	+1
	RUEB DENNIS	682-7000	+1
8386	BROWN ROBERT J	682-2211	6
8400	WALSH BETTY J	682-8464	0
8437	OBY HENRY	682-2014	
8476	DAVIS CHARLES P	682-2629	8
8528	FITZGERALD BENNIE	682-2488	8
	FITZGERALD PAT	682-8040	+1
8604	NEWMAN NORMAN	682-2664	8
8645	BOULOS FAYE2	682-8227	0
8665	WITT HAROLD B	682-2835	
8688	PETERSON RALPH W	682-2871	9
8693	VITONE ANTHONY	682-2398	8
8765	ALSERE2 J CRUZ	682-8024	+1
8890	ELK GROVE STORAGE	682-2006	8
8901	BURKES ARABIANS	682-8832	0
9001	VALENTE FRANK	682-2029	8

W STOCKTON BLVD 1981

STOCKTON BLVD 95624

ELK GROVE

8416	DIAS FRANK	682-8621	0
8476	WESTERNER MBL HM PK		
	BORUM V L	682-2868	5
	BRANDMUELLER JOHN	682-2715	5
	CARNEY BILL	682-2066	0
	CASSELMAN JACK	682-8568	0
	COX FINIS E	682-8918	+1
	OYER OAVIO	391-6049	0
	FERNANDES JOHN	682-9281	5
	HARCROW L	682-7535	9
	HASKINS HARVEY W	682-9379	0
	HELMER MERVIN	682-2683	9
	HUBBELL HUGH SR	682-6903	+1
	KINROSS DUANE	682-8692	+1
	MOSS MAX	682-6056	+1
	PAGE ROBERT L	682-3914	8

W STOCKTON BLVD 1981

STOCKTON BLVD	95624 CONT	
ROBERTSON JOHN	682-3532	8
ROGERS MINNIE	682-2032	0
ROSE EO	682-7306	0
SAVIRINO P	682-7346	+1
SCHULTZ S	682-3447	9
SELBY RICHARD A	682-7243	8
STOCKE MILTON	682-6046	+1
VARNEY GEANETTE	682-9098	9
WEEKS LOUISE	422-2418	+1
WERTMAN ADA S	682-2867	+1
WESTERNER MBL HM PK	682-2715	4
8476		
8477	XXXX	00
8510	ORAIN M	682-3223 9
8512	CONRAD DOUG	682-8684 0
8520	PRATTON DARRELL	682-9269 7
8555	COMMNTY DRIVE IN CH	682-2173 4
	DIAL A SPRTUL THGHT	428-2340 0
	SAC CMNTY OR IN CH	882-2173 7
8662	XXXX	00
8672	SILVEIRA RANCH SPLY	682-7994 +1
8678	XXXX	00
8680	REMETCH MELVIN	682-3654 9
8685	BAAOE MARTIN C	682-3142 0
8686	APARTMENTS	
	ALOINGER EOMONO	682-2682 8
	CURRAN G	682-6459 +1
	ECCEL MELVA	682-7530 0
	LINTON WILLIAM E	682-2321 +1
	MOORE JAMES I	682-3485 9
	REECE ARLIN JAMES	682-7067 +1
	SNOW CRAIG J	682-8719 +1
	THOMPSON E C	682-2483
	WAY ROBERT	682-6325 +1
	99 MOBILE HOME PARK	682-2321 +1
8686		
8690	COUNTRY HOMES RL EST	682-7801 9
8691	BIENHAUS WILLIAM	682-9728 4
8700	XXXX	00
8701	BRUSSEAU H J	682-2603 9
	LEONARD A J	682-2632 5
	TRACY MICHAEL	682-2901 0
8706	CHAMBERLAIN IRIS	682-7372 0
8712	XXXX	00
8729	LEW HENRY	682-2620 4
8746	STUBBLEFIELD F REV	682-9652 +1
8796	XXXX	00
8821	MOSIER IMPLEMENT	682-8977 9
8883	GUARDIA WILLIAM	685-3483 +1
8910	HAIGHT L S JR	685-2351 4
8919	GARDNER DONALD	685-2469 +1
9140	ALBANESE P	685-2354 0
9169	XXXX	00
9189	EAST LAWN SOUTHGATE	422-4114
9234	LAGUNA NURSERIES	685-6788 0
9261	CITIZENS UTILITY BUS	685-7220 +1
	CITIZENS UTILITY OFC	685-7007 +1
	CITIZENS UTILITY RSDC	685-7100 +1
	CITIZENS UTILITY TIME	685-5555 +1
9285	XXXX	00
9305	XXXX	00
9319	GARCIA FRANCISCO	685-5121 8
9355	XXXX	00
9365	SHIPLEY HAROLD	685-5937 6
9380	XXXX	00
9381	FEICKERT ADAM	685-4703 8
	FEICKERT HANS	685-5537 9
9383	XXXX	00
9385	FIELOS SCOTT	685-6026 0
9392	NESLEY WALTER G	685-2359 8
9395	CORTEZ JOAQUIN	685-5542 0
9410	ARTHUR DAVID	685-5497 0
	FROST CRAIG	685-5497 0
9424	XXXX	00
9428	JOHNSTON AMUSEMENT	685-2674 7
	JOHNSTON KENNETH	685-2674 7
9434	SHARPES LESTER	685-2355 9
9442	NORTHROP GARY	685-2548 9
	NORTHROP GRADNG&EXC	685-2548 0
9456	PRICE H L	685-2460 0
9470	NUNES DONALD	685-7560 +1
	NUNES EO	685-7039 0
9498	MCDONALD THOMAS E	685-2637 9
9646	HARDESTY CHUCK	685-9122 0
	HREPICH WILLIAM	685-9623 8
9660	CA ST TRANSPORTATN	685-9544 +1
	HREPICH PAUL V	685-4196 8
9700	LINDSAY JAMES H	685-4566 4
9761	OAKS MOBL HME CMNTY	685-2786 7
9776	LINDSAY A L	685-9854 8
9878	ZEHNOER JOHN L	685-4485 8
9896	EHRESMAN JAKE	685-4886 8
	ZEHNOER LOUIS	685-9734 8
9930	LANGIN RICHARD	685-2684 +1
9938	BAUMANN JACK	685-7194 0

SHELDON RD 1975

SHELDON RD 95624 ELK GROVE

2383	XXXX	00
2408	EPPS WALTER	363-1256
	*SCHAU SPEILER KNNLS	363-1256
2438	PETERSON RALPH W	682-2871 3
2610	HURBACE SANOI	682-2641+5
7515*	JAYNES BACKHOE SERV	682-2880+5
	JAYNES LYLE	682-2880+5
8360	SMITH HERBERT	682-2282+5
8400	SNYOER OAVIO R	682-2557
	SNYOER NEORA	682-2557
9187	MEYERS DONALD	682-3118+5
9534	SUMIOA ROY	682-2614+5
9549	LYKINS O S	682-2672+5
9565	ALLEN L J	682-2516+5
9600	MARTIN WARREN	682-2872 2
9610	CAVIN JOHN	682-2726+5
9630	MOORE G A	682-2993 3
9640	COLEMAN JAMES	682-2272+5
9730	RICHAROSON HENRY M	682-3479+5
9750	HARRISON RICHARD	682-9457+5
9780	NEOVEO HAL	682-2372
9788	SILVEIRA JESSE	682-2056 1
9794	MILLER OAVIO	682-2869 4
9800	BOWMAN A A	682-2968 4

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SHELDON RD 1975

SACRAMENTO

..SHELDON RD	95624 CONT..	
9820 FOX FREQ	682-2067	
9851 YOOPER DAVID W	682-2250	4
9880 ARGENTINE CHARLES	682-2705	4
9921 MANDALLA MICHELE J	682-2855	4
10048 HICKEY PATRICK	682-2539	3

W STOCKTON BLVD 1975

STOCKTON BLVD 95624 ELK GROVE

9140 ALBANESE P	685-2354+5
9189*EAST LAWN SOUTHGATE	422-4114
9380 FEICKERT ADAM	685-4703 4
9660*CALIF ST DIV HWY	685-9544
9700 LINDSAY JAMES H	685-4566 4
NO # HAIGHT L S JR	685-2351 4
NO # KNEPPEL PETE	685-4124
NO # MANTZ ALLEN E	682-2260 4
* 2 BUS	6 RES
	1 NEW

SHELDON RD 1971

SHELDON RD 95624 ELK GROVE

2408	EPPS WALTER	363-1256
	*SCHAU SPEILER KNNLS	363-1256
8400	SNYDER DAVID R	682-2557
	SNYDER NEDRA	682-2557
9780	NFDVED HAL	682-2372
9788	SILVEIRA JESSE	682-2056+1
	SILVEIRA JESSE J	363-3627+1
9794	BUSCAIND PETER J	682-2869
9820	FOX FREQ	682-2067

✓

W STOCKTON BLVD 1971

STOCKTON BLVD 95624 ELK GROVE

9189*EAST LAWN SOUTHGATE 422-4114

9660*CALIF ST DIV HWY 685-9544

NO # HAIGHT L S JR 682-2501+1

NO # KNEPPEL PETE 685-4124

* 2 BUS 2 RES 1 NEW

Maverik - Elk Grove, CA
NWC of Sheldon Rd & W Stockton Blvd
Elk Grove, CA 95758

Inquiry Number: 6119619.3

July 13, 2020

Certified Sanborn® Map Report



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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/13/20

Site Name:

Maverik - Elk Grove, CA
NWC of Sheldon Rd & W Stock
Elk Grove, CA 95758
EDR Inquiry # 6119619.3

Client Name:

Cardno, Inc.
1142 West 2320 South
Salt Lake City, UT 84119
Contact: Alisha Strong



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Project Maverik - Sheldon Elk Grove CA

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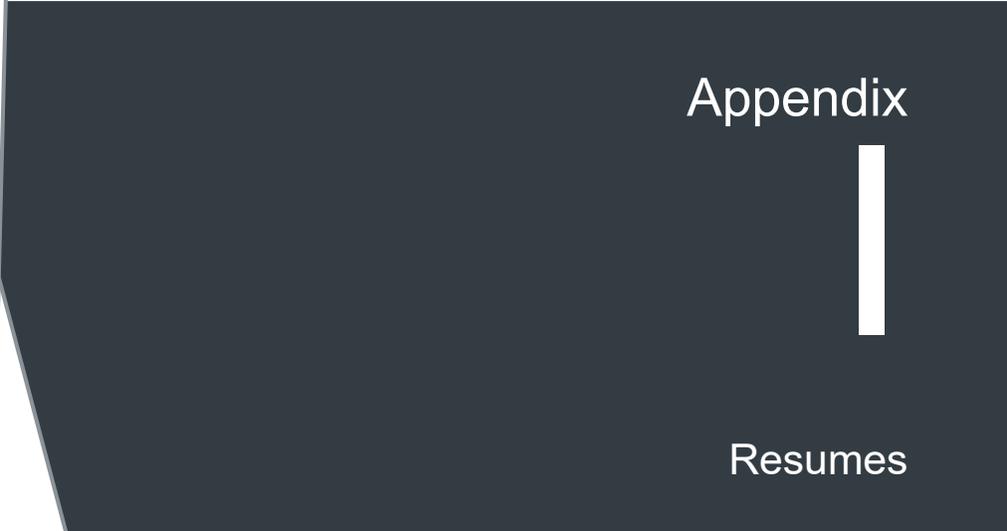
Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California

Appendix

H

Prior Reports (intentionally left blank)

Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California



Appendix



Resumes

Russell D. Hamblin, P.G.

Current Position

Principal Geologist and
National Client Manager

Profession

Environmental Consultant

Years' Experience

29

Joined Cardno

May 2014

Education

M.S., Geology/Paleoecology,
Brigham Young University,
Provo, UT, 1985

B.S., Geology, Oregon State
University, Corvallis, Oregon
1983

Professional Registrations

UT PG, ID PG, OR PG, WI PG

Affiliations

National Ground Water
Association

Summary of Experience

Mr Hamblin has over 29 years of professional experience in the environmental consulting field. He currently serves as a Principal Geologist, Business Development Practice Leader and a National Client Manager for Cardno. His experience has included local and regional operations management, geologic and hydrogeologic hazardous materials investigations, remedial activities, compliance and air permitting, geotechnical investigations, cartography, and due diligence-related environmental assessments. Mr Hamblin has served as field supervisor and project manager for numerous environmental site assessments (ESAs), hydrogeologic assessments, solid waste assessments, industrial and agricultural waste compliance projects, environmental due diligence assessments, and underground storage tank (UST) investigations and related remedial activities throughout the United States and Canada. Mr Hamblin has also provided project management services on industrial-related remediation and compliance projects throughout the United States. Specific tasks include planning, conducting, and managing soil and groundwater sampling at hazardous and industrial waste sites; interpreting geologic and hydrogeologic conditions and laboratory analytical results; designing and implementing soil and groundwater remediation systems; obtaining air operational permits; client and regulatory agency contact; and preparing and editing final reports.

As a regional manager with SECOR from 2002 to 2005, Mr Hamblin managed over 9 offices including offices in Utah, Montana, Arizona, Nevada, Texas, Louisiana, and Oklahoma. As part of this assignment, Mr Hamblin provided leadership and a corporate vision for the regional offices to manage and mentor other senior and principal staff to carry forth a multi-disciplined operation to care for client and program needs at the highest level of professionalism. Areas of for mentoring of staff included holding workshops in key improvement issues such as professionalism, leadership, management, effective client development, time and cost efficiency, corporate and personal health and safety, and innovation towards solving complex environmental problems. Mr Hamblin was also responsible for ensuring appropriate execution of the client projects; review of office and regional monthly profit and loss reports with senior staff; conducting marketing and sales meetings to ensure appropriate level of balance between business development and billable client work; regular communication with other regional managers to support national clients, national business development opportunities, and holding of regular staffing and load levelling conference calls; and initial and support local and national recruiting needs. Regional management duties also included holding project and client managers accountable for budgets; marketing, junior staff reviews mentoring, and accounts receivables.

Selected Project Experience

Farmland Remedial Investigations

Investigation and remedial activities at 180,000-acre Cattle and Sheep ranches in Central and Eastern Montana. The total environmental spend was \$475,000. Activities included the investigation and soil and groundwater remediation at various ranch and farm-related facilities at each of these ranches including, several localized farm-related landfills, fuelling centers with USTs and ASTs, farm vehicle maintenance shops, drum storage areas, wood post treatment centers, and cattle and sheep dip tank operations. Hundreds of soil and groundwater samples were collected and analyzed and several groundwater monitoring wells were installed to establish groundwater networks for each area of investigation and remediation. Approximately 5,000 tons of soil contaminated with RCRA 8 metals (including Pb and As), petroleum (diesel, gasoline, and used oil), pentachlorophenol, dioxins, and pesticides (including DDT and Beta-BHC) were permitted and transported to various state and federal solid waste landfills including approximately 700 tons transported to a hazardous waste facility in Idaho. Penta, dioxin, and pesticide-contaminated groundwater from abandoned wood post treatment centers and sheep dip tank areas were treated via post excavation natural attenuation. Additional remediation activities of groundwater contaminated with DDT and beta-BHC required installation of an in situ groundwater infiltration curtain consisting of enclosed filter fabric filled with activated granular carbon charcoal material, various reactive chemicals, and fungus-containing pine tree bark chips designed to react and adsorb the dissolved Beta-BHC contaminants. Regulatory No Further Action Status letters were submitted by the MT Department of Environmental Quality for the closures of each of these facilities.

Professional History

Investigation and remediation activities of soil and groundwater at a 275-acre sod farm in Northern Utah. The total environmental spend was \$140,000. Activities included the investigation and soil and groundwater remediation at various farm-related facilities including three AST fuelling centers and a farm vehicle maintenance shop with a drum storage area. Nearly 100 soil and groundwater samples were collected and analyzed and four groundwater monitoring wells were installed to establish a groundwater monitoring network one area of investigation and remediation. Diesel, gasoline, and used oil petroleum-related compounds were the main contaminants of concern. Approximately 500 tons of contaminated soil were removed from the three areas of investigation and transported to a local bioremediation repository near Salt Lake City, Utah. Groundwater was treated with several applications of an oxygen release compound (ORC). The ORC material was injected into on-site monitoring wells and directly into an open excavation to expedite the remediation process. Once confirmation sampling confirmed that site soils and groundwater reached compliance with respect to State of Utah screening levels, the remediation team applied for and obtained an Enforceable Written Assurance (EWA) letter, on a fast-track basis, with the Utah Division of Environmental Response and Remediation. The EWA letter allowed for the sale of the property to be completed.

Investigation and remediation activities of soil at a 2,500-acre hay farm in Northern California. The total environmental spend was \$30,000. Activities included the investigation and soil remediation at various farm-related facilities including a farm equipment storage and wash area, a drum storage area, and two AST fuelling centers. Approximately 30 soil and groundwater samples were collected and analyzed to determine the extent of contamination in these farm facilities. Diesel, gasoline, and used oil petroleum-related compounds were the main contaminants of concern. Approximately 175 tons of contaminated soil were removed from the three areas of investigation and transported to an on-site treatment cell constructed for this remediation activity. Contaminated soils were spread to a thickness of approximately 12 to 16 inches and contained on a plastic liner in a berm area in a remote location at the farm. The soils were treated with bioremediation and oxygen release compounds to allow for ex-situ bio-chemical degradation of the hydrocarbons in the soil. Following four months of product applications, tilling, and watering of the soil, the contaminant levels decreased within California Regional Water Quality Control Board soil

clean-up criteria and the treated soils were reused on site in non-farming areas.

Investigation and remediation activities of soil at three 500-acre grape vineyards in the Southern San Joaquin Valley, California. The total environmental spend was \$130,000. Activities included the investigation and soil remediation at various farm-related facilities including farm AST fuelling centers and drum storage area. Approximately 90 soil samples were collected and analyzed to determine the extent of contamination in these farm facilities. Diesel and used oil petroleum-related compounds were the main contaminants of concern. Approximately 500 tons of contaminated soil were removed from the three areas of investigation and transported to an off-site bioremediation treatment center for this remediation activity. The remediation team coordinated investigation, remediation, and site closure activities with the Kern County Environmental Department and the Central Valley Regional Water Quality Control Board for No Further Action Status at each of the three sites.

Investigation and remediation activities of soil at a farm labor camp and abandoned orange orchard totalling approximately 1,000 acres of derelict farm properties, located approximately 50 miles south of Tampa, Florida. The total environmental spend was \$72,000. Farm facilities consisted of an abandoned orange orchard with several AST fuel storage areas where about 400 tons of diesel-contaminated soils were excavated and transported to a county landfill. The services also included an investigation and soil remediation of approximately 100 tons of pesticide-contaminated and heavy oil contaminated soil associated with a former agricultural vehicle wash pad.

Completed several other farm-related investigation and remedial activities at contaminated agricultural sites in Eastern Montana, Southern Georgia, Northern California, Central California, Western Kansas, and in Northern Utah.

Mining-Related Investigations

In 2006-2007 Mr. Hamblin conducted detailed due diligence-related studies including a Phase I ESA, Expanded Phase I ESAs, and Phase II ESA sampling and analyses for a approximately 500-acre abandoned uranium mine site on Prince of Wales Island in Alaska. The studies included contamination assessments of uranium and other radioactive compounds and heavy metals of four areas where mine-related waste material have been disposed. The goal of the investigation was to differentiate areas which have been affected by radioactive mine waste materials and areas of naturally high radioactivity, which have not been affected by mining activities and associated waste materials.

In 2007-2008 Mr. Hamblin completed due diligence studies at two large open pit mining operations within the Mesabi Range in northern Minnesota. Evaluated past and current environmental issues including areas of petroleum contamination from USTs and ASTs and current and futures status of the facilities' Mine Closure Permit, Title V Air Quality Permit, and National Pollutant Discharge Elimination System (NPDES) permits with the State of Minnesota Department of Natural Resources and Pollution Control Agency to determine current and future liabilities for the prospective purchaser. This assessment was to allow the client to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability. The scope of services also included sampling and analyses of near surface soils in an abandoned explosives magazine. This assessment constituted all appropriate inquiry into the previous ownership and uses of the site consistent with good commercial or customary practice, as defined in 42 U.S.C. § 9601(35)(B) of CERCLA.

Conducted detailed due diligence-related studies on a mining operation in Emery County Utah including evaluation of facility compliance related to the use of on-site organic solvents; spill containment and integrity of aboveground storage tanks; evaluation of wastewater discharge permits; waste-rock storage evaluation; and ore processing operation.

Participated in the writing and review of several chapters of a Hydrologic Description Section

of an underground mine permit for proposed coal mining in western Colorado. The purpose of the Hydrologic Description was to evaluate the potential hydrologic consequences of additional underground mining operations. Evaluations included the study of groundwater chemistry from existing groundwater monitoring wells and surface water monitoring locations (including creeks and springs) and proposing additional monitoring wells to fill data gaps related to proposed additional mining locations.

Managed a team that completed and submitted a Notice of Intent (NOI) to Utah's Division of Air Quality as part of the Air Quality permitting process for a client conducting mining and milling of copper and other precious metals in Southern Utah. Services also included completing a fugitive dust permit and a compliance program to implement and stay in compliance with the air quality permit.

Conducted soil and vegetation sampling in Juab County as part of a University academic study on the potential for heavy metal (Cu, Au, Ag) absorption by desert flora. Tasks included field sampling, mapping, and laboratory sample preparation.

Manufacturing and Hazardous Waste-Related Investigations

Managed soil and groundwater assessments at chemical and industrial manufacturing facilities in Oregon, California, and Utah, including RCRA and CERCLA facilities. Soil and groundwater studies involved the investigations and remediation of halogenated and aromatic volatile constituents, petroleum (gasoline diesel, and waste oil) products and metals.

Managed a preliminary RCRA soil sampling investigation and completed a RCRA Facilities Investigation (RFI) Work Plan development at a solvent recovery in the Portland Oregon, area. Services have also included negotiations with state [Oregon Department of Environmental Quality (DEQ)] and Federal (EPA) regulatory agencies for corrective measures study (CMS).

Performed Hydrogeologic Assessment Report (HAR) studies for the State of California's Regional Water Quality Control Board (RQCB) at two chemical manufacturing facilities in Bakersfield and Fresno County. The study at the Fresno County facility involved investigation of radionuclides, metals, sulfuric acid, and dissolved solids. The Bakersfield facility involved the investigation of metals and chlorinated solvents. Both HARs included aquifer testing and characterization.

Conducted groundwater assessments and Solid Waste Assessment Testing (SWAT) for the State of California at several landfills, including sites near Fresno, Modesto, Visalia, and Corcoran. The studies included ongoing groundwater monitoring and aquifer- and vadose-zone monitoring.

Performed hydrogeologic investigations at several agricultural impoundment facilities throughout the West Coast. Included evaluation of pesticide and agricultural chemical source areas, including USTs, lined ponds, and unlined impoundments. Agricultural chemical included organophosphorus and chlorinated pesticides, carbonated and phenoxy herbicides investigations included soil and groundwater investigations and on-going quarterly groundwater monitoring.

Managed installation of groundwater remediation network at an NPL Superfund site in Salt Lake City, Utah. This remedial investigation included installation of extraction wells and piezometers, well development, soil sampling, step drawdown testing and evaluation, and well modification to network with an air-stripping system.

Conducted and managed a Remedial Investigation (RI) at a major paper products facility in Portland, Oregon. Multiple investigations were conducted at this facility concurrently, based on CERCLA investigation protocols, following the removal of over 25 USTs, which previously

contained various ethyl-based alcohols, MIBK, toluene, and diesel and gasoline fuels. Soil and groundwater samples were analyzed for several other organic chemicals including chlorinated solvents (TCE and PCE) and total priority pollutant metals. A vapor extraction system was designed, pilot tested, and installed at this site to remediate toluene-impacted soils.

Managed the design, implementation, and monitoring of five vapor extraction systems for soil and groundwater remediation systems at several UST and hazardous waste facilities in Oregon and Utah.

Designed and installed a vapor extraction/air sparging dual system at a wood products facility in North Bend, Oregon. The System operated for approximately 1.5 years and was successful in remediation of soil and shallow groundwater contaminated with mineral spirits. Multiple remedial investigations were also conducted at this facility to evaluate and assess hydraulic oil, mineral spirits, diesel, and gasoline contaminated soil and groundwater.

Managed design, implementation, and monitoring of soil mounding and venting bioremediation systems. Included treatment of over 1,000 cubic yards of excavated soils contaminated with gasoline, heavy fuels, and waste oil via injection of nitrogen and phosphate nutrients, microbes, and emulsifiers for bioremediation at an 80-year-old bulk storage facility for a major petroleum company in Cornelius, Oregon. Completion of the bioventing mound was accomplished in approximately one year.

Conducted feasibility studies at industrial waste facilities for soil and groundwater remediation considerations; including completing aquifer slug and pumping tests, vapor extraction pilot testing, air sparging pilot testing, soil permeability assessments, chemical evaluation, and historical research. Mr. Hamblin utilized data from these studies to evaluate the most feasible and cost-effective remedial action alternatives.

Designed, installed, and operated soil vapor extraction (SVE) system for a paper products company in Portland, Oregon, for the remediation of toluene-contaminated soils.

Underground Storage Tank (UST) Remedial Investigations

Managed soil and groundwater investigations and remediation relating to (Leaking Underground Storage Tanks (LUST systems at over 100 service station facilities and Managed soil and groundwater investigations and remediation relating to bulk chemical plants for major oil companies (7-Eleven, Texaco, Mid-State Petroleum, Unocal, ARCO, and Pennzoil) sites in Oregon, California, Washington, Idaho, and Utah. Projects included UST decommissioning, site inspections, initial contaminant abatement measures, follow-up soil and groundwater investigation to define the extent of contamination, and Feasibility Studies (FSs) for on-site and off-site remediation.

Managed a \$1.25 million remediation project for a major US oil company in a rural community in southern Utah. Remedial investigations included installation of 16 groundwater monitoring wells and 20 remediation wells, including 10 extraction wells, seven monitoring wells, and three injection wells. Well depths ranged from 40 to 120 feet. Remedial investigations also included quarterly groundwater monitoring, natural attenuation monitoring and evaluations, development of a remedial strategy, evaluation of light non-aqueous phase liquid (LNAPL), soil vapor extraction (SVE) and high vacuum (HiVac) pilot testing, ecologic and human health risk assessment, indoor air quality monitoring and evaluation, remedial design, and SVE/HiVac system installation, operation, monitoring, and maintenance. Also conducted sound monitoring and assisted with the design and construction of sound attenuation measures for the remediation system, which included a sound attenuation barrier and silencer emissions stack. Project management duties also included holding public meetings, preparation and

publication of community newsletter for public awareness, and conducting community public relations for the client.

Expert Witness

Served as an expert witness on a case in Hillsboro, Oregon for an owner of a gasoline service station who was in part bought out by the state of Oregon Highway Division as part of a state road expansion project. The buy-out resulted in the closure of the gasoline retail operation, and because contamination was encountered during closure of the USTs, the State offered minimal financial reimbursement for the property. Legal counsel and Mr. Hamblin were successful in negotiating additional State money for our client based on the argument that retail gasoline operations could have been reopened while in situ vapor extraction remedial activities were completed on site if the State had not purchased the property.

Due Diligence-Related Property Transfer Assessments and Auditing

Completed and managed over 1,600 Phase I and Phase II property transfer assessments for various landowners, land developers, commercial lending institutions, and industrial facilities in over 30 U.S. states, three Canadian Provinces, and Baja California, Mexico.

Managed and performed over 100 transaction screen process (TSP) investigations of proposed cellular tower sites in accordance with ASTM standards in Utah and Idaho for a major regional FCC-regulated cellular telecommunications company. TSPs were augmented with inquiries into National Environmental Policy Act (NEPA) issues including wilderness areas, wildlife preserves, endangered species, flood plains, wetlands, and archeological sites.

Managed a nationwide program that included Phase I, Phase II, and geotechnical investigations on over 1,300 sites for a worldwide church organization since 1993. Projects have included residential, agricultural, industrial, and commercial properties throughout the United States and Canada.

Conducted a Phase I environmental site assessment and an Environmental Compliance Audit for a facility in Utah that manufactures storage retrieval cranes and automated guided vehicles. Also managed a RCRA and Industrial Waste Compliance Audit for a national jeweler manufacturer in Bountiful, Utah.

Other Environmental and Geologic Projects

Conducted a Geologic Investigation near the Weber State University Campus in Ogden, Utah to determine potential geologic hazards in a seismic-sensitive area. The field investigation consisted of excavating four test trenches perpendicular to mapped fault traces along the east and west property boundaries and associated reporting.

Performed a slope stability and geologic hazards investigation and geologic mapping and aerial photography interpretation at two sites under consideration for development in the hills near Ventura, California.

Coordinated and assisted with completion of a hazardous waste minimization plan for an industrial coated-paper products facility in Portland, Oregon.

Conducted geotechnical soil and groundwater characterization and environmental investigation at sites near Sanger, California, under consideration for use as winery stillage disposal fields. Included evaluation of metals, dissolved solids, and pH of soil and groundwater samples. Hydrogeologic data were based on evaluation of permeability, percolation, and infiltration tests and from hydrographs.

Conducted drilling, soil sampling, compaction testing and building materials testing and inspections for several geotechnical studies in the Fresno and Visalia areas of California.

Management and coordination of demolition projects and geotechnical-related studies associated with environmental due diligence services for a real estate investor in over 25 U.S. states.

Education

M.S., Geology, Brigham Young University, Provo, Utah, 1985

B.S., Geology, Oregon State University, Corvallis, Oregon, 1983

Career Summary

BSK and Associates: Visalia and Fresno, CA: Soil Technician and Staff Geologist, 1985-1987

Kleinfelder and Associates: Fresno, CA: Staff Geologist, 1987-1988

Brown and Caldwell: Portland, OR: Senior Geologist, Project Manager, 1988-1991

SECOR International; Portland, OR and Salt Lake City, UT, Principal Geologist, Office Principal-in-Charge, Regional Manager; 1991-2005

SLR International Corporation; Salt Lake City, UT, Principal Geologist/Managing Principal; 2005-2014

Cardno, Salt Lake City, UT, Principal Geologist, Practice Leader, and National Client Manager, May 2014 to Present

Registrations/Certifications

Registered Professional Geologist, Oregon, 1989: No. 1057

Registered Professional Geologist, Idaho, 1990: No. 680

Professional Geologist, Utah, 2003: No. 5419780-2250

Certified UST Consultant, Utah, 1996-2004: No. CC0080

Additional training And certifications

40-Hour OSHA Health & Safety Certification (29 CFR 1910.120), 1988

40-Hour OSHA Health & Safety Annual Update Certification, 1997-2003

8-Hour OSHA Site Supervisor's Certification, 1995

PUBLICATIONS AND PRESENTATIONS

"The Stratigraphy and Depositional Environments of the Gebel El-Rus area, Eastern Faiyum, Egypt".

M.S. Thesis, BYU Geology Studies, Vol. 34, Pg. 1, 1987. "The Geology of the Gebel El-Rus Area and Archaeology Sites in the Eastern Faiyum, Egypt", excavations at Seila, Egypt, Religious Study Center, Brigham Young University, Provo, Utah, Vol. 1, 1988.

Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California

Appendix

J

Laboratory Reports (intentionally left blank)

Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California

Appendix

K

Other Supporting Documentation

CALIFORNIA - EPA Map of Radon Zones

<http://www.epa.gov/radon/zonemap.html>

The purpose of this map is to assist National, State and local organizations to target their resources and to implement radon-resistant building codes.

This map is not intended to determine if a home in a given zone should be tested for radon. Homes with elevated levels of radon have been found in all three zones.

All homes should be tested, regardless of zone designation.

IMPORTANT: Consult the publication entitled "Preliminary Geologic Radon Potential Assessment of California" (USGS Open-file Report 93-292-1) before using this map. See <http://energy.cr.usgs.gov/radon/grpinfo.html>. This document contains information on radon potential variations within counties. EPA also recommends that this map be supplemented with any available local data in order to further understand and predict the radon potential of a specific area.



K-1

Latitude: 38° 26' 21" N
Longitude: -121° 24' 15" W

Project No. 820AR00790.0001

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Appendix K1: Radon Map
Maverik - Elk Grove, CA
Potential Maverik Location
Sheldon Rd & W Stockton Blvd
Elk Grove, Sacramento County, California



1142 WEST 2320 SOUTH, SUITE A
WEST VALLEY, UTAH 84119
P: 801-256-3800 F: 801-973-1095

Maverik - Elk Grove, CA

NWC of Sheldon Rd & W Stockton Blvd

Elk Grove, CA 95758

Inquiry Number: 6119619.2s

July 13, 2020

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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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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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
State- and tribal - equivalent NPL	1.0	0	0	0
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	1	1
State and tribal registered storage tank lists	0.25	0	0	0
State and tribal institutional control / engineering control registries	not searched	-	-	-
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	0	0	0
Other Ascertainable Records	1.0	0	0	1

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

MAVERIK - ELK GROVE, CA
NWC OF SHELDON RD & W STOCKTON BLVD
ELK GROVE, CA 95758

COORDINATES

Latitude (North):	38.439113 - 38° 26' 20.809021"
Longitude (West):	121.404238 - 121° 24' 15.249023'
Elevation:	31 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
E & J MARKET Sacramento Co. CS: Sacramento Co. CS	8706 W STOCKTON BLVD	<1/10 N	▲ 1	8
E & J MARKET (FORMER SS) HIST CORTESE: HIST CORTESE CERS: CERS LUST: LUST Cortese: CORTESE	8706 STOCKTON	1/10 - 1/3 NNE	▲ 2	8

ADDITIONAL ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
E & J MARKET (FORMER SS) HIST CORTESE: HIST CORTESE CERS: CERS LUST: LUST Cortese: CORTESE	8706 STOCKTON	1/10 - 1/3 NNE	▲ 2	8

EDR HIGH RISK HISTORICAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

EDR RECOVERED GOVERNMENT ARCHIVES

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

PRIMARY MAP - 6119619.2S



 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

 Indian Reservations BIA

 Areas of Concern

 Power transmission lines

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 National Wetland Inventory

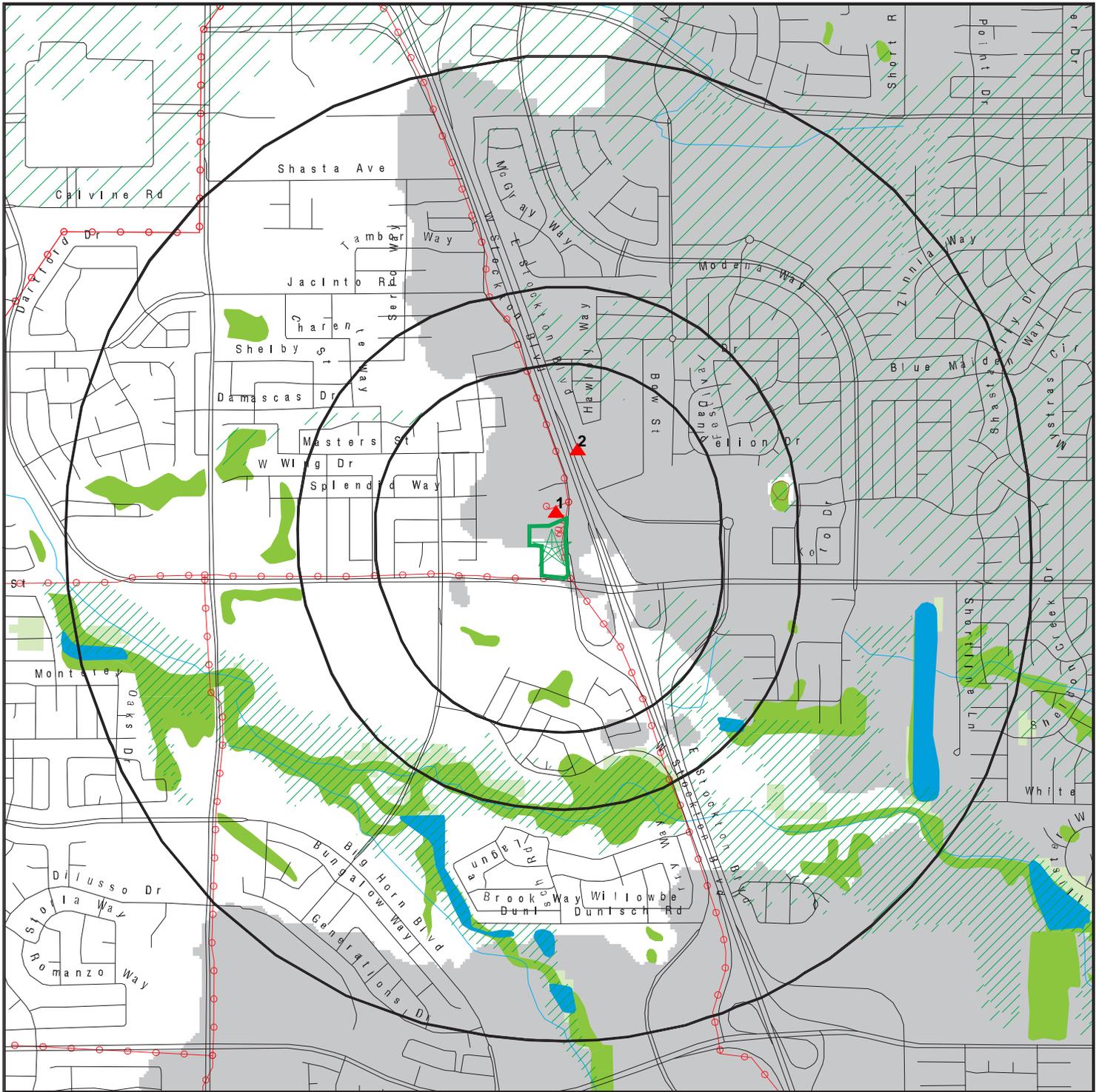
 State Wetlands

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: Maverik - Elk Grove, CA
 ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
 Elk Grove CA 95758
 LAT/LONG: 38.439113 / 121.404238

CLIENT: Cardno, Inc.
 CONTACT: Alisha Strong
 INQUIRY #: 6119619.2s
 DATE: July 13, 2020 1:49 pm

SECONDARY MAP - 6119619.2S



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

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Upgradient Area

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: Maverik - Elk Grove, CA
 ADDRESS: NWC of Sheldon Rd & W Stockton Blvd
 Elk Grove CA 95758
 LAT/LONG: 38.439113 / 121.404238

CLIENT: Cardno, Inc.
 CONTACT: Alisha Strong
 INQUIRY #: 6119619.2s
 DATE: July 13, 2020 1:48 pm

MAP FINDINGS

LEGEND

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP		EDR SITE ID NUMBER
◆ MAP ID#	Direction Distance Range (Distance feet / miles)	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
	Relative Elevation Feet Above Sea Level	
Worksheet:		
Comments: Comments may be added on the online Vapor Encroachment Worksheet.		

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

E & J MARKET 8706 W STOCKTON BLVD, ELK GROVE, CA,		S101300682
▲ 1	N <1/10 (94 ft. / 0.018 mi.)	State and tribal leaking storage tank lists
	1 ft. Higher Elevation 32 ft. Above Sea Level	

Worksheet:

Sacramento Co. CS: State and tribal leaking storage tank lists

Name: E & J MARKET
 Address: 8706 W STOCKTON BLVD
 City,State,Zip: ELK GROVE, CA
 State Site Number: A561
 Lead Staff: Williams, S.
 Lead Agency: HM
 Remedial Action Taken: YE, S
 Substance: Automotive(motor gasoline and additives)
 Date Reported: 06/04/1990
 Facility Id: RO0001086
 Case Type: Soil only
 Case Closed: Y
Date Closed: 02/09/1996
Case Type: Soil only affected
Substance: Automotive(motor gasoline and additives)

E & J MARKET (FORMER SS) 8706 STOCKTON, ELK GROVE, CA, 95758		S104403304
▲ 2	NNE 1/10 - 1/3 (770 ft. / 0.146 mi.)	State and tribal leaking storage tank lists Other Ascertainable Records
	2 ft. Higher Elevation 33 ft. Above Sea Level	

Worksheet:

MAP FINDINGS

E & J MARKET (FORMER SS), 8706 STOCKTON, ELK GROVE, CA 95758 (Continued)

LUST REG 5: State and tribal leaking storage tank lists

Name: E & J MARKET (FORMER SS)
Address: 8706 STOCKTON BLVD
City: ELK GROVE
Region: 5
Status: Case Closed
Case Number: 340609
Case Type: Soil only
Substance: GASOLINE
Staff Initials: VJF
Lead Agency: Local
Program: LUST
MTBE Code: N/A

LUST:

Name: E & J MARKET (FORMER SS)
Address: 8706 STOCKTON BLVD
City,State,Zip: ELK GROVE, CA 95624
Lead Agency: SACRAMENTO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606700518
Global Id: T0606700518
Latitude: 38.440759
Longitude: -121.405222
Status: Completed - Case Closed
Status Date: 03/19/1996
Case Worker: Not Reported
RB Case Number: 340609
Local Agency: Not Reported
File Location: Not Reported
Local Case Number: A561
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not Reported

LUST:

Global Id: T0606700518
Contact Type: Regional Board Caseworker
Contact Name: VERA FISCHER
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: vera.fischer@waterboards.ca.gov
Phone Number: Not Reported

LUST:

Global Id: T0606700518
Action Type: Other

MAP FINDINGS

E & J MARKET (FORMER SS), 8706 STOCKTON, ELK GROVE, CA 95758 (Continued)

Date: 04/06/1990
 Action: Leak Discovery
 Global Id: T0606700518
 Action Type: Other
 Date: 06/04/1990
 Action: Leak Reported

LUST:

Global Id: T0606700518
 Status: Open - Case Begin Date
 Status Date: 04/06/1990
 Global Id: T0606700518
 Status: Open - Site Assessment
 Status Date: 10/25/1993
 Global Id: T0606700518
 Status: Completed - Case Closed
 Status Date: 03/19/1996

CORTESE: Other Ascertainable Records

Name: E & J MARKET (FORMER SS)
 Address: 8706 STOCKTON BLVD
 City,State,Zip: ELK GROVE, CA 95624
 Region: CORTESE
 Envirostor Id: Not Reported
 Global ID: T0606700518
 Site/Facility Type: LUST CLEANUP SITE
 Cleanup Status: COMPLETED - CASE CLOSED
 Status Date: Not Reported
 Site Code: Not Reported
 Latitude: Not Reported
 Longitude: Not Reported
 Owner: Not Reported
 Enf Type: Not Reported
 Swat R: Not Reported
 Flag: active
 Order No: Not Reported
 Waste Discharge System No: Not Reported
 Effective Date: Not Reported
 Region 2: Not Reported
 WID Id: Not Reported
 Solid Waste Id No: Not Reported
 Waste Management Uit Name: Not Reported
 File Name: Active Open

HIST CORTESE: Other Ascertainable Records

edr_fname: E & J MARKET (FORMER SS)

MAP FINDINGS

E & J MARKET (FORMER SS), 8706 STOCKTON, ELK GROVE, CA 95758 (Continued)

edr_fadd1: 8706 STOCKTON
City,State,Zip: ELK GROVE, CA 95758
Region: CORTESI
Facility County Code: 34
Reg By: LTNKA
Reg Id: 340609

CERS: Other Ascertainable Records

Name: E & J MARKET (FORMER SS)
Address: 8706 STOCKTON BLVD
City,State,Zip: ELK GROVE, CA 95624
Site ID: 250697
CERS ID: T0606700518
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VERA FISCHER - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not Reported
Affiliation Address: 11020 SUN CENTER DRIVE #200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA
Affiliation Country: Not Reported
Affiliation Zip: Not Reported
Affiliation Phone: Not Reported

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	04/27/2020	05/06/2020	05/28/2020
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/27/2020	05/06/2020	05/28/2020
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	04/27/2020	05/06/2020	05/28/2020
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	03/23/2020	03/25/2020	05/21/2020
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	05/15/2020	05/19/2020	06/18/2020
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2020	02/20/2020	05/15/2020
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/13/2020	02/20/2020	05/15/2020
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/22/2020	03/24/2020	06/18/2020
State and tribal - equivalent NPL						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	01/27/2020	01/28/2020	04/09/2020
State and tribal - equivalent CERCLIS						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	01/27/2020	01/28/2020	04/09/2020
State and tribal landfill / solid waste disposal						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	02/10/2020	02/11/2020	04/20/2020
State and tribal leaking storage tank lists						
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/15/2019	12/17/2019	02/10/2020
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/03/2019	12/04/2019	02/14/2020
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/02/2019	12/04/2019	02/10/2020
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/01/2019	12/04/2019	02/10/2020
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/01/2019	12/04/2019	02/10/2020
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/11/2019	12/04/2019	02/10/2020
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/10/2019	12/05/2019	02/10/2020
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/04/2019	12/04/2019	02/27/2020
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/14/2020
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
State and tribal registered storage tank lists						
CA	UST	Active UST Facilities	SWRCB	03/09/2020	03/10/2020	05/20/2020
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	03/09/2020	03/11/2020	05/26/2020
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	12/19/2019	12/23/2019	02/21/2020
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/11/2019	12/04/2019	02/10/2020
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/01/2019	12/04/2019	02/10/2020
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/10/2019	12/05/2019	02/10/2020
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/01/2019	12/04/2019	02/10/2020
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/02/2019	12/04/2019	02/10/2020
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/11/2019	12/04/2019	02/10/2020
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/03/2019	12/04/2019	02/14/2020
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/04/2019	12/04/2019	02/27/2020
US	FEMA UST	Underground Storage Tank Listing	FEMA	02/01/2020	03/19/2020	06/09/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal voluntary cleanup sites						
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	01/27/2020	01/28/2020	04/09/2020
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfields Sites Listing	State Water Resources Control Board	03/23/2020	03/24/2020	06/05/2020
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2019	01/17/2020	03/06/2020
US	ROD	Records Of Decision	EPA	04/27/2020	05/06/2020	05/28/2020
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/27/2020	05/06/2020	05/28/2020
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	03/09/2020	03/10/2020	05/19/2020
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	08/01/2019	08/02/2019	10/11/2019
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2018	12/04/2019	01/15/2020
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (EPA	10/12/2016	10/26/2016	02/03/2017
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/23/2020	03/24/2020	06/18/2020
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	04/27/2020	05/06/2020	05/28/2020
US	Delisted NPL	National Priority List Deletions	EPA	04/27/2020	05/06/2020	05/28/2020
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/27/2020	05/06/2020	05/28/2020
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	02/27/2020	03/24/2020	06/18/2020
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/01/2020	06/02/2020	06/09/2020
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/28/2020	02/19/2020	05/14/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/11/2020	02/25/2020	05/21/2020
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	03/31/2020	04/01/2020	05/21/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/16/2018	02/28/2020	05/22/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	04/27/2020	05/06/2020	06/09/2020
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	02/05/2020	04/24/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	05/01/2019	10/23/2019	01/15/2020
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	10/09/2019	10/11/2019	12/20/2019
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/25/2019	10/25/2019	01/15/2020
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	02/03/2020	03/03/2020	05/28/2020
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	11/05/2019	11/20/2019	04/17/2020
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/05/2020	03/06/2020	05/29/2020
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2018	02/05/2020	04/15/2020
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	03/31/2020	04/21/2020	07/09/2020
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	03/23/2020	03/24/2020	06/05/2020
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	02/03/2020	02/04/2020	04/09/2020
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	05/01/2019	05/14/2019	07/17/2019
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	03/02/2020	03/03/2020	05/13/2020
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	12/04/2019	01/29/2020	04/09/2020
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	03/25/2020	03/26/2020	06/15/2020
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	02/27/2020	02/28/2020	05/07/2020
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2017	06/24/2019	08/22/2019
CA	ENF	Enforcement Action Listing	State Water Resouruces Control Board	04/03/2020	04/07/2020	04/15/2020
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	04/09/2020	04/10/2020	07/01/2020
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	02/19/2020	02/20/2020	04/24/2020
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	11/15/2019	11/15/2019	01/23/2020
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2019	04/15/2020	07/02/2020
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	02/18/2020	02/19/2020	04/24/2020
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	04/06/2020	04/08/2020	06/26/2020
CA	ICE	ICE	Department of Toxic Substances Control	02/18/2020	02/19/2020	04/24/2020
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Quality Control Board	05/13/2020	05/13/2020	05/14/2020
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	03/03/2020	03/05/2020	05/14/2020
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	MINES	Mines Site Location Listing	Department of Conservation	03/09/2020	03/10/2020	05/19/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	02/12/2020	03/03/2020	05/14/2020
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	02/10/2020	02/11/2020	04/20/2020
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	03/02/2020	03/03/2020	05/14/2020
CA	PROC	Certified Processors Database	Department of Conservation	03/09/2020	03/10/2020	05/19/2020
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	03/12/2020	03/13/2020	05/21/2020
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	01/27/2020	01/28/2020	04/09/2020
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Department of Conservation	03/09/2020	03/10/2020	05/19/2020
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	11/19/2019	01/07/2020	03/09/2020
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	01/21/2020	01/22/2020	04/01/2020
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	04/20/2020	04/21/2020	07/09/2020
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	04/08/2020	04/09/2020	07/01/2020
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/18/2020	02/19/2020	05/14/2020
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	03/09/2020	03/10/2020	05/19/2020
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	03/09/2020	03/10/2020	05/19/2020
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2017	01/17/2019	04/01/2019
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	03/02/2020	03/03/2020	05/13/2020
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	04/04/2020	04/07/2020	06/26/2020
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	01/21/2020	01/22/2020	04/01/2020
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	05/13/2020	05/13/2020	05/15/2020
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
CA	RGALF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGALUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	01/09/2019	01/11/2019	03/05/2019
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	01/06/2020	01/07/2020	03/06/2020
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	05/18/2020	05/19/2020	06/01/2020
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	03/27/2020	03/31/2020	06/15/2020
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	04/06/2020	04/23/2020	07/10/2020
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	04/01/2020	04/20/2020	07/06/2020
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	04/16/2020	04/20/2020	07/08/2020
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	12/31/2019	01/03/2020	03/05/2020
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	01/10/2020	03/31/2020	06/15/2020
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	05/19/2020	05/20/2020	06/15/2020
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	04/09/2020	04/10/2020	07/01/2020
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	01/31/2020	02/05/2020	04/15/2020
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	02/13/2020	02/14/2020	04/24/2020
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	01/15/2020	01/16/2020	04/01/2020
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	01/30/2020	01/31/2020	04/09/2020
CA	AOCONCERN	Key Areas of Concerns in Los Angeles County		03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	03/26/2020	03/26/2020	06/15/2020
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	04/13/2020	04/14/2020	07/01/2020
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	01/01/2019	01/15/2019	03/07/2019
CA	LOS ANGELES AST	Active & Inactive AST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES CO LF METHANE	Methane Producing Landfills	Los Angeles County Department of Public Works	04/30/2012	04/17/2019	05/29/2019
CA	LOS ANGELES HM	Active & Inactive Hazardous Materials Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES UST	Active & Inactive UST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	SITE MIT LOS ANGELES	Site Mitigation List	Community Health Services	03/25/2020	04/14/2020	07/01/2020
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	04/22/2019	04/23/2019	06/27/2019
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	06/27/2019	07/30/2019	10/02/2019
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	02/24/2020	02/25/2020	05/07/2020
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	09/26/2018	10/04/2018	11/02/2018
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	11/18/2019	11/20/2019	01/03/2020
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	02/21/2020	03/05/2020	05/13/2020
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	11/06/2019	11/07/2019	01/08/2020
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	09/05/2019	09/09/2019	10/31/2019
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	02/05/2020	02/06/2020	04/15/2020
CA	IND_SITE ORANGE	List of Industrial Site Cleanups	Health Care Agency	01/02/2020	02/05/2020	04/15/2020
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	01/02/2020	02/05/2020	04/15/2020
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	01/02/2020	02/04/2020	04/10/2020
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	03/02/2020	03/03/2020	05/13/2020
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	03/31/2019	04/23/2019	06/26/2019
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	03/10/2020	03/11/2020	05/20/2020
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	03/10/2020	03/11/2020	05/20/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	02/18/2020	03/31/2020	06/15/2020
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	02/24/2020	03/31/2020	06/17/2020
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	02/12/2020	02/13/2020	04/23/2020
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	02/25/2020	02/26/2020	05/07/2020
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	03/02/2020	03/03/2020	05/13/2020
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	04/18/2018	04/24/2018	06/19/2018
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	04/09/2020	04/10/2020	06/26/2020
CA	SAN DIEGO CO SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	LUST SAN FRANCISCO	Local Oversight Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	01/08/2020	01/09/2020	03/06/2020
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	02/18/2020	02/20/2020	04/24/2020
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	02/20/2020	02/20/2020	04/24/2020
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	03/29/2019	03/29/2019	05/29/2019
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	02/14/2020	02/19/2020	04/24/2020
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	04/22/2020	04/24/2020	05/07/2020
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Managemen	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2019	06/06/2019	08/13/2019
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	03/02/2020	03/04/2020	05/14/2020
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	02/25/2020	02/26/2020	03/11/2020
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	04/03/2020	04/08/2020	06/26/2020
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	02/04/2020	02/05/2020	04/15/2020
CA	UST SUTTER	Underground Storage Tanks	Sutter County Environmental Health Services	01/23/2020	03/03/2020	05/08/2020
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	03/16/2020	03/17/2020	05/26/2020
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	04/09/2020	04/10/2020	07/01/2020
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	02/10/2020	02/11/2020	04/20/2020
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	03/26/2020	04/23/2020	07/09/2020
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	03/26/2020	04/23/2020	07/09/2020
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	01/27/2020	03/10/2020	05/20/2020
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	03/23/2020	04/01/2020	06/17/2020
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	01/27/2020	02/12/2020	04/23/2020

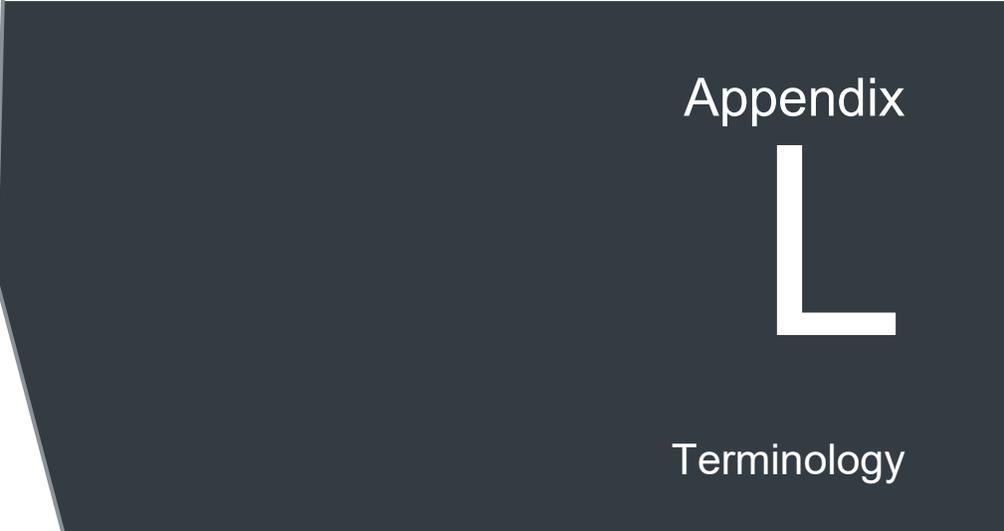
GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
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STREET AND ADDRESS INFORMATION

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Potential Maverik Location – NWC of Sheldon & W. Stockton, Elk Grove, California



Appendix



Terminology

Terminology

The following provides definitions and descriptions of certain terms that may be used in this report. Italics indicate terms that are defined by ASTM Standard Practice E 1527-13. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions, or additional explanation regarding the meaning of terms.

recognized environmental condition (REC) - the presence or likely presence of any hazardous substances or petroleum products in, on, or at the Subject 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.

de minimis conditions – conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.

historical recognized environmental condition (HREC) – a past release of any hazardous substances in connection with the Subject 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 V to any required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls). The final decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the Subject Property.

controlled recognized environmental condition (CREC) – a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., 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.

material threat – a physically observable or obvious threat that is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and that shows evidence of damage such that it may cause or contribute to tank integrity failure with a release of contents to the environment.

threat to human health or the environment – a substantial risk of harm to public health or the environment resulting from the presence or likely presence of an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the Subject Property or into the ground, ground water, or surface water of the Subject Property. An example might include a release of a hazardous substance in concentrations exceeding applicable governmental agency standards under conditions that could reasonably and foreseeably result in substantial exposure to humans or substantial damage to natural resources. The risk of that exposure or damage would represent a threat to human health or the environment.

generally would not be the subject of an enforcement action – the likelihood that an environmental condition would not be subject to enforcement action if brought to the attention of appropriate governmental agencies. If the circumstances suggest an enforcement action would be less likely than not, then the condition is considered to be generally not the likely the subject of an enforcement action.

**APPENDIX E:
NOISE AND VIBRATION TECHNICAL MEMORANDUM**

TECHNICAL MEMORANDUM

To: Mike Micheels, Senior Project Manager (Cartwright NorCal)
From: Mark Storm, INCE Bd. Cert. (#8003)
Subject: **Maverik (Sheldon Road and W. Stockton Blvd.) Noise Study**
Date: November 7, 2023
cc: Daniel Hoffman, Dudek
Attachments: Attachment A – Figures 1-6;
Attachment B – Construction Noise Prediction Worksheets;
Attachment C – Roadway Traffic Noise Prediction Worksheets; and
Attachment D – Stationary Noise Source Modeling Inputs

This technical memorandum provides a noise and vibration study to evaluate the existing outdoor ambient sound environment and predict potential environmental noise and vibration impacts from the proposed Maverik convenience store and fuel dispensing project (Project) to the surrounding communities of the City of Sacramento and the City of Elk Grove.

1 Executive Summary

1.1 Project Overview

The Project proposes to build a convenience store, associated parking stalls, and a canopy for twenty fuel dispensers on a lot at the northeastern corner of Sheldon Avenue and W. Stockton Boulevard. The site is located at the southern-most tip of the City of Sacramento, California. Offsite noise-sensitive receptors south and east of the Project site are located within the City of Elk Grove. Figure 1 illustrates the regional geography of the proposed Project site, and Figure 2 depicts the Project site plan with its layout of associated structures and features.

1.2 Environmental Noise Impacts

In summary, the proposed Project is expected to generate construction activity noise that is compliant with FTA guidance and groundborne vibration from construction that is less than Caltrans-based guidance thresholds of significance. The added Project trips to the surrounding network of roadway traffic is expected to result in a negligible increase (i.e., less than 0.1 dB change) in roadway traffic noise as received by studied samples of existing NSR in the vicinity. Aggregate noise emission from Project onsite sources, even at peak hour levels of activity, are predicted to be compliant with nighttime hourly noise level standards for both the City of Sacramento and the City of Elk Grove.

For these reasons, the proposed Project is expected to comply with relevant local noise standards and policies and without the need for additional noise attenuation features not already featured in the Project design and site layout.

2 Assessment Framework

The following subsections provide the reader a summary of acoustical terminology and concepts that the foregoing analyses will use to evaluate potential noise exposures associated with the Project.

2.1 Sound, Noise, and Acoustics

Sound can be described as the mechanical energy of a vibrating object transmitted by pressure waves through a liquid or gaseous medium (e.g., air) to a hearing organ, such as a human ear. Noise is defined as loud, unexpected, or annoying sound.

In the science of acoustics, the fundamental model consists of a sound (or noise) source, a receptor, and the propagation path between the two. The loudness of the noise source and obstructions or atmospheric factors affecting the propagation path to the receptor determine the sound level and characteristics of the noise perceived by the receptor. The field of acoustics deals primarily with the propagation and control of sound.

2.1.1 Frequency

Continuous sound can be described by frequency (pitch) and amplitude (loudness). A low-frequency sound is perceived as low in pitch. Frequency is expressed in terms of cycles per second, or Hertz (Hz) (e.g., a frequency of 250 cycles per second is referred to as 250 Hz). High frequencies are sometimes more conveniently expressed in kilohertz (kHz), or thousands of Hertz. The audible frequency range for humans is generally between 20 Hz and 20,000 Hz.

2.1.2 Sound Pressure Levels, Sound Power Levels and Decibels

The amplitude of pressure waves generated by a sound source determines the loudness of that source. Sound pressure amplitude is measured in micro-Pascals (mPa). One mPa is approximately one hundred billionth (0.00000000001) of normal atmospheric pressure. Sound pressure amplitudes for different kinds of noise environments can range from less than 100 to 100,000,000 mPa. Because of this huge range of values, sound is rarely expressed in terms of mPa. Instead, a logarithmic scale is used to describe sound pressure level (SPL) in terms of decibels (dB). The threshold of hearing for people is about 0 dB, which corresponds to 20 mPa.

Sound power level is the acoustic power radiated from a source and expressed in decibels with respect to a reference quantity of 10^{-12} watts. Unlike sound pressure (L_p) dB that will vary with environmental conditions and the distance between the source and a detection point, sound power level (L_w) depends only on the characteristics of the sound-emitting source. By way of analogy, a light bulb may be rated for 100 watts of light when operating in a room, but the measured luminosity (akin to L_p) will vary with detector distance and the light-absorbing properties of the room surfaces and contents.

2.1.3 Addition of Decibels

Because decibels are logarithmic units, SPL cannot be added or subtracted through ordinary arithmetic. Under the decibel scale, a doubling of sound energy corresponds to a 3-dB increase. In other words, when two identical

sources are each producing sound of the same loudness, the resulting sound level at a given distance would be 3 dB higher than one source under the same conditions. For example, if one automobile produces an SPL of 70 dB when it passes an observer, two cars passing simultaneously would not produce 140 dB—rather, they would combine to produce 73 dB. Under the decibel scale, three sources of equal loudness together produce a sound level 5 dB louder than one source.

2.1.4 A-weighted Decibels

The decibel scale alone does not adequately characterize how humans perceive noise. The dominant frequencies of a sound have a substantial effect on the human response to that sound. Although the intensity (energy per unit area) of the sound is a purely physical quantity, the loudness or human response is determined by the characteristics of the human ear.

Human hearing is limited in the range of audible frequencies as well as in the way it perceives the SPL in that range. In general, people are most sensitive to the frequency range of 1,000–8,000 Hz and perceive sounds within that range better than sounds of the same amplitude in higher or lower frequencies. To approximate the response of the human ear, sound levels of individual frequency bands are weighted, depending on the human sensitivity to those frequencies. Then, an “A-weighted” sound level (expressed in units of dBA) can be computed based on this information.

The A-weighting network approximates the frequency response of the average young ear when listening to most ordinary sounds. When people make judgments of the relative loudness or annoyance of a sound, their judgments correlate well with the A-scale sound levels of those sounds. Other weighting networks have been devised to address high noise levels or other special problems (e.g., B-, C-, and D-scales), but these scales are rarely used in conjunction with community noise management, including major stationary sources and highway-traffic noise. Noise levels for community/environmental noise reports are typically reported in terms of A-weighted decibels or dBA. Table 1 describes typical A-weighted noise levels for various noise sources.

Table 1. Typical A-Weighted Noise Levels for Common Indoor and Outdoor Sources

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
Diesel truck at 50 feet at 50 mph	85	Food blender at 3 feet
	80	Garbage disposal at 3 feet
Noisy urban area, daytime	75	—
Gas lawn mower, 100 feet	70	Vacuum cleaner at 10 feet
Commercial area	65	Normal speech at 3 feet
Heavy traffic at 300 feet	60	—
	55	Large business office
Quiet urban daytime	50	Dishwasher next room
	45	—
Quiet urban nighttime	40	Theater, large conference room (background)
Quiet suburban nighttime	35	—
	30	Library

Table 1. Typical A-Weighted Noise Levels for Common Indoor and Outdoor Sources

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
Quiet rural nighttime	25	Bedroom at night, concert hall (background)

Source: Caltrans 2013.

2.1.5 Human Response to Changes in Noise Levels

As discussed above, doubling sound energy results in a 3-dB increase in sound. However, given a sound level change measured with precise instrumentation, the subjective human perception of a doubling of loudness will usually be different than what is measured.

Under controlled conditions in an acoustical laboratory, the trained, healthy human ear is able to discern 1-dB changes in sound levels, when exposed to steady, single-frequency (“pure-tone”) signals in the mid-frequency (1,000 Hz–8,000 Hz) range (Caltrans 2013). In typical noisy environments, changes in noise of 1 to 2 dB are generally not perceptible. However, it is widely accepted that people are able to begin to detect sound level increases of 3 dB in typical noisy environments, such as outdoors in an urban area. Further, a 5-dB increase is generally perceived as a distinctly noticeable increase, and a 10-dB increase is generally perceived as a doubling of loudness. Therefore, a doubling of sound energy (e.g., doubling the volume of traffic on a highway) that would result in a 3-dB increase in sound, would generally be perceived as barely detectable.

2.1.6 Noise Descriptors

Noise in our daily environment fluctuates over time at varying rates. Various noise descriptors have been developed to describe time-varying noise levels. The following are the noise descriptors are utilized in this analysis.

- **Equivalent Sound Level (L_{eq}):** L_{eq} represents an energy average of the sound level occurring over a specified period. Note that L_{eq} is not an arithmetic average of varying dB levels over a period of time, it accounts for greater sound energy represented by higher decibel contributions.
- **Percentile-Exceeded Sound Level (L_{xx}):** L_{xx} represents the sound level exceeded for a given percentage of a specified period (e.g., L_{10} is the sound level exceeded 10% of the time, and L_{90} is the sound level exceeded 90% of the time).
- **Maximum Sound Level (L_{max}):** L_{max} is the highest instantaneous sound level measured during a specified period.
- **Minimum Sound Level (L_{min}):** L_{min} is the lowest instantaneous sound level measured during a specified period.
- **Day-Night Level (L_{dn}):** L_{dn} is the energy average of A-weighted sound levels occurring over a 24-hour period, with a 10-dB penalty applied to A-weighted hourly L_{eq} sound levels occurring during nighttime hours between 10 p.m. and 7 a.m.
- **Community Noise Equivalent Level (CNEL):** Similar to L_{dn} , CNEL is the energy average of the A-weighted sound levels occurring over a 24-hour period, with a 10-dB penalty applied to hourly L_{eq} A-weighted sound levels occurring during the nighttime hours between 10 p.m. and 7 a.m., and a 5-dB penalty applied to the hourly L_{eq} A-weighted sound levels occurring during evening hours between 7 p.m. and 10 p.m.

2.1.7 Sound Propagation

When sound propagates over a distance, it changes in level and frequency content. The manner in which noise reduces with distance depends on the following factors.

- **Geometric Spreading** – Sound from a localized source (i.e., an ideal point source) propagates uniformly outward in a spherical pattern (or hemispherical when near the ground surface). The sound level attenuates (or decreases) at a rate of 6 decibels for each doubling of distance from a point source. Roadways consist of several localized noise sources on a defined path, and hence can be treated as a line source, which approximates the effect of several point sources. Noise from a line source propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of 3 decibels for each doubling of distance from a line source.
- **Ground Absorption** – The propagation path of noise from a sound emission source to a receptor is usually horizontal and proximate to the ground. Under these conditions, noise attenuation from ground absorption and reflective-wave canceling can add to the attenuation associated with geometric spreading. For acoustically “hard” paths over which sound may traverse (i.e., sites with a reflective surface between the source and the receptor, such as a parking lot or body of water), no excess ground attenuation is assumed. For acoustically absorptive or “soft” sites (i.e., those sites with an absorptive ground surface between the source and the receptor, such as fresh-fallen snow, soft dirt, or dense vegetative ground cover), an additional ground-attenuation value of +1.5 decibels per doubling of distance is normally assumed. When added to cylindrical spreading for line source sound propagation, the excess ground attenuation results in an overall drop-off rate of 4.5 decibels per doubling of distance.
- **Atmospheric Effects** – Receptors located downwind from a source can be exposed to increased noise levels relative to calm conditions, whereas locations upwind can have lowered noise levels. Sound pressure levels can also be increased at large distances (e.g., more than 500 feet) due to atmospheric temperature inversion (i.e., increasing temperature with elevation). Other factors such as air temperature, humidity, and turbulence can also have significant effects when distances between a source and receptor are large.
- **Shielding by Natural or Human-Made Features** – A large object or barrier in the path between a noise source and a receptor can substantially attenuate noise levels at the receptor. The amount of attenuation provided by shielding depends on the size of the object and the frequency content of the noise source. Natural terrain features (e.g., hills and dense woods) and human-made features (e.g., buildings and walls) can substantially reduce noise levels. Walls are often constructed between a source and a receptor specifically to reduce noise. A barrier that breaks the line of sight between a source and a receptor will typically result in at least 5 dB of noise reduction. Taller barriers provide increased noise reduction. While a line of trees may visually occlude the direct line between a source and a receptor, its actual noise-reducing effect is usually negligible because it does not create a solid barrier. Deep expanses of dense wooded areas, on the other hand, can offer noise reduction under the right conditions.

2.2 Vibration

Vibration is similar to noise in that it is a pressure wave traveling through an elastic medium involving a periodic oscillation relative to a reference point. Vibration is most commonly described in respect to the excitation of a structure or surface, such as in buildings or the ground. Human and structural response to different vibration levels

is influenced by a number of factors, including ground type, distance between source and receptor, duration, and the number of perceived vibration events. Sources of vibration include natural phenomena (e.g., earthquakes, volcanic eruptions, sea waves, landslides) and those introduced by human activity (e.g., explosions, machinery, traffic, trains, construction equipment). Vibration sources may be continuous, (e.g., operating factory machinery) or transient in nature (e.g., explosions, impacts). Vibration levels can be depicted in terms of amplitude and frequency; relative to displacement, velocity, or acceleration.

Vibration amplitudes are commonly expressed in peak particle velocity (PPV), which is defined as the maximum instantaneous positive or negative peak of a vibration signal, or the quantity of displacement measured from peak to trough of the vibration wave in units of inches per second (in/sec or ips). PPV is typically used in the monitoring of transient and impact vibration and has been found to correlate well to the stresses experienced by buildings (FTA 2018). The California Department of Transportation (Caltrans) also uses it as guidance for evaluating potential human annoyance for occupants of structures that receive groundborne vibration.

Typical outdoor sources of perceptible ground borne vibration comes from vehicles on the nearby highway and local street. Although the effects of vibration may be imperceptible at low levels, effects may result in detectable vibrations and slight damage to nearby structures at moderate and high levels, respectively. At the elevated levels of vibration, damage to structures is primarily architectural (e.g., loosening and cracking of plaster or stucco coatings) and rarely results in damage to structural components.

2.3 Environmental Setting

2.3.1 Overview

The Project site is near a major state highway interchange connecting SR-99 with Sheldon Road and W. Stockton Boulevard. Consequently, the outdoor ambient noise environment is already characterized by dominant roadway traffic sound, and at estimated levels of at least 70 dBA Ldn as indicated by the current general plans of both the City of Sacramento (City of Sacramento 2015b) and the City of Elk Grove (City of Elk Grove 2022). Figure 3 reproduces a noise contour map from the latter reference.

2.3.2 Measured Outdoor Ambient Sound

Investigator-attended sound pressure level (SPL) measurements were conducted in the vicinity of the Project site on November 17, 2021 to quantify and characterize the existing outdoor ambient noise environment. Table 2 provides the location, date, and time the noise measurements were taken at these three “short-term” (ST) locations as illustrated in Figure 4. The attending Dudek investigator used a Larson-Davis Model 831 Integrating Sound Level Meter (SLM, last four digits of serial number [SN] = 1219) equipped with a 0.5-inch, pre-polarized condenser microphone with pre-amplifier. This SLM meets the current American National Standards Institute (ANSI) standard for a “Type 1” precision instrument and had its calibration status checked before and after the field measurement survey. Sound level measurements were conducted with the microphone positioned approximately four-to-five feet above the ground, consistent with appropriate industry standards and practice.

Additionally, an unattended “long-term” (LT) Larson-Davis Model 831 (SN: 1034) was deployed on November 22, 2021 and then retrieved the next day to collect data over a full 24-hour period. Overall metrics (L_{eq} , L_{max} , L_{min} and L_{90} values) for this “LT1” position also appears in Table 2.

Table 2. November 2021 Baseline Measurements of Outdoor Ambient Sound Level

Location Tag	Location Description (<i>approximate distances to roadways</i>)	Date (mm/dd/yy) Start and End Times (hh:mm)	L_{eq} (dBA)	L_{max} (dBA)	L_{min} (dBA)	L_{90} (dBA)
ST1	northern portion of Project Site (200' west of W. Stockton Blvd., 500' north of Sheldon Rd.)	11/17/21 16:19 to 16:34	58.7	66.1	52.2	54.4
ST2	southwestern portion of Project Site (300' west of W. Stockton Blvd., 150' north of Sheldon Rd.)	11/17/21 16:40 to 16:55	58.3	67.5	53.2	54.9
ST3	Pool deck of Vasari Apartments (600' west of W. Stockton Blvd., 300' north of Sheldon Rd.)	11/17/21 17:03 to 17:18	52.1	68.5	45.9	47.1
LT1	Project Site (300' west of W. Stockton Blvd., 150' north of Sheldon Rd.)	11/22/21 19:00 through 11/23/21 19:00	56.9	81.8	43.4	52.3

Source: Dudek 2023.

Notes: L_{eq} = energy-equivalent sound level; L_{max} = maximum sound level measured over the defined time period; L_{min} = minimum sound level measured over the defined time period; L_{90} = statistical sound level exceeded over a cumulative ninety percent (90%) portion of the defined measurement time period.

Acoustical metrics for ST1, ST2, and LT1 as appearing in Table 2 are comparable due to their sharing similar outdoor conditions and unobstructed proximity to nearby roadways. The longer measurement duration of LT1 provided the opportunity to record a higher maximum and lower minimum sound level than possible with the shorter periods of ST1 and ST2. The measured levels at ST3 are, aside from having a comparable L_{max} value, lower than those of ST1 and ST2 due to its location within the offsite residential area and thus partially obscured from the nearby sources of roadway traffic.

2.4 Regulatory Setting

2.4.1 Federal Guidance

In its Transit Noise and Vibration Impact Assessment guidance manual, the Federal Transit Administration (FTA) recommends a daytime construction noise level threshold of 80 dBA L_{eq} over an 8-hour period (FTA 2018) when detailed construction noise assessments are performed to evaluate potential impacts to community residences surrounding a project. Although this FTA guidance is not a regulation, it can serve as a quantified standard in the absence of such limits at the state and local jurisdictional levels.

2.4.2 State Standards

2.4.2.1 California Code of Regulations

California Government Code Section 65302(f) mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines established by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of “normally acceptable”, “conditionally acceptable”, “normally unacceptable”, and “clearly unacceptable” noise levels for various land use types. Single-family homes are “normally acceptable” in exterior noise environments up to 60 dBA CNEL and “conditionally acceptable” up to 70 dBA CNEL. Multiple-family residential uses are “normally acceptable” up to dBA 65 CNEL and “conditionally acceptable” up to dBA 70 CNEL. Schools, libraries, and churches are “normally acceptable” up to 70 dBA CNEL, as are office buildings and business, commercial, and professional uses.

2.4.2.2 California Department of Transportation

In its Transportation and Construction Vibration Guidance Manual, Caltrans recommends a vibration velocity threshold of 0.2 ips PPV (Caltrans 2020) for assessing annoying vibration impacts to occupants of residential structures. Although this Caltrans guidance is not a regulation, it can serve as a quantified standard in the absence of such limits at the local jurisdictional level. Similarly, thresholds to assess building damage risk due to construction vibration vary with the type of structure and its fragility, such as 0.3 ips PPV for typical “older” residential structures (Caltrans 2020).

2.4.3 Municipal Regulations and Policies

2.4.3.1 City of Sacramento

The Project site is located within the City limits of Sacramento and would thus need to comply with local noise regulations and general plan policies, goals, and actions. Offsite sensitive receptors north and west of the Project would also be subject to exterior noise exposure limits and guidance set by the City and as summarized in the following paragraphs.

Noise Ordinance

Section 8.68.060.A from the Sacramento municipal code defines the following exterior noise standards (interpreted to be hourly L_{eq} values) for sensitive receptors (residential and agricultural) with respect to sound received: 55 dBA during daytime hours (7:00 a.m. to 10:00 p.m.) and 45 dBA at night (10:00 p.m. to 7:00 a.m.). Section 8.68.060.B allows higher limits, in successive increments of 5 dB, for partial hour periods but capped at +20 dB for “any time per hour.” With respect to noise that are tonal, impulsive, repetitive, or consist primarily of speech or music, these limits would be reduced by 5 dB per Section 8.68.060.C. Section 8.68.060.D permits higher standards, if the measured outdoor ambient level exceeds the default thresholds, as follows: “if the ambient noise level exceeds that permitted by any of the first four noise limit categories specified in subsection B of this section, the allowable noise limit shall be increased in five dBA increments in each category to encompass the ambient noise level. If the ambient noise level exceeds the fifth noise level category, the maximum ambient noise level shall be the noise limit for that category.” (City of Sacramento 2023)

Per Section 8.68.080.D, construction noise is exempt “between the hours of seven a.m. and six p.m., on Monday, Tuesday, Wednesday, Thursday, Friday and Saturday, and between nine a.m. and six p.m. on Sunday; provided, however, that the operation of an internal combustion engine shall not be exempt pursuant to this subsection if such engine is not equipped with suitable exhaust and intake silencers which are in good working order. The director of building inspections, may permit work to be done during the hours not exempt by this subsection in the case of urgent necessity and in the interest of public health and welfare for a period not to exceed three days. Application for this exemption may be made in conjunction with the application for the work permit or during progress of the work.”

General Plan Noise Element

Policies from the Environmental Constraints chapter of the Sacramento General Plan that would apply to the Project are as follows:

EC 3.1.1: Exterior Noise Standards. The City shall require noise mitigation for all development where the projected exterior noise levels exceed those shown in Table EC 1, to the extent feasible.

For a commercial enterprise such as the proposed Project, Table EC 1 indicates that the highest level of noise exposure regarded as “normally acceptable” is 70 dBA CNEL (City of Sacramento 2015a).

EC 3.1.2: Exterior Incremental Noise Standards. The City shall require noise mitigation for all development that increases existing noise levels by more than the allowable increment shown in Table EC 2, to the extent feasible.

For a commercial enterprise such as the proposed Project, and because the proposed Project would be located within a noise contour where an Ldn of 70 dBA is expected near SR-99 at Sheldon Road per Appendix C (Noise Contours) of the General Plan (City of Sacramento 2015b), Table EC 2 indicates that the allowable increase above ambient attributed to the proposed Project would be 1 dB (City of Sacramento 2015a).

2.4.3.2 City of Elk Grove

Although the proposed project is located in the City of Sacramento and would be subject to its noise regulations, land use compatibility guidance, and policies as summarized in the preceding Section 2.4.3.1, noise-sensitive receptors located to the south and east of the project are located in the City of Elk Grove. Construction noise and operation noise exposures from the proposed project would therefore need to comply with relevant standards of that municipality, as summarized in the following paragraphs.

Noise Ordinance

Section 6.32.080.A from the City of Elk Grove municipal code defines the following exterior noise standards for sensitive receptors with respect to sound received from stationary noise sources: 55 dBA during daytime hours (7:00 a.m. to 10:00 p.m.) and 45 dBA at night (10:00 p.m. to 7:00 a.m.). For “stationary sources which are tonal, impulsive, repetitive, or consist primarily of speech or music,” these limits would be reduced by 5 dB. (City of Elk Grove 2023)

Section 6.32.080.C from the Elk Grove municipal code allows measured pre-existing outdoor sound levels to upgrade the default thresholds of 6.32.080.A under the following conditions:

1. Where the ambient noise level is less than sixty (60) dB but greater than the threshold from 6.32.080.A, a maximum increase of five (5) dB above the ambient noise level is allowed.
2. Where the ambient noise level is between sixty (60) dB and sixty-five (65) dB, inclusive, a maximum increase of three (3) dB above the ambient noise level is allowed.
3. Where the ambient noise level is greater than sixty-five (65) dB, a maximum increase of one and one-half (1.5) dB above the ambient noise level is allowed.

Per Section 6.32.100.E, construction noise is exempt from the Section 6.32.080.A “provided said activities only occur between the hours of 7:00 a.m. and 7:00 p.m. when located in close proximity to residential uses. Noise associated with these activities not located in close proximity to residential uses may occur between the hours of 6:00 a.m. and 8:00 p.m. However, when an unforeseen or unavoidable condition occurs during a construction project and the nature of the project necessitates that work in progress be continued until a specific phase is completed, the contractor or owner shall be allowed to continue work after 7:00 p.m. and to operate machinery and equipment necessary until completion of the specific work in progress can be brought to conclusion under conditions which will not jeopardize inspection acceptance or create undue financial hardships for the contractor or owner.” Construction noise is then listed as a prohibited activity per Section 6.23.140.A.

Despite addressing stationary noise sources in Section 6.32.080.A, Section 6.32.110.C from the Elk Grove municipal code caps lawful noise emission from mechanical equipment (e.g., HVAC systems) at “a maximum limit of 55 dBA.” (City of Elk Grove 2023)

General Plan Noise Element

Table 8-3 from Chapter 8 (Services, Health, and Safety) of the City of Elk Grove General Plan sets 60 dBA Ldn as a limit for transportation noise exposures at the outdoor activity areas of typical noise-sensitive receptors such as residential, transient lodging, hospitals, nursing homes, churches, and meeting halls. If the outdoor activity area location is unknown, then this exterior noise level threshold would be applied at the property line of the receiving land use. In situations where it is not possible to reduce noise in outdoor activity areas to less 60 dBA Ldn, an exposure level of up to 65 dBA Ldn is allowed provided that noise level reduction measures have been implemented and interior standards have been met. Furthermore, “in cases where the existing ambient noise level exceeds 60 dBA Ldn, the maximum allowable project-related permanent increase in ambient noise levels shall be 3 dBA.” (City of Elk Grove 2022)

Goals and policies from Chapter 8 of the Elk Grove General Plan that would apply to the project are as follows:

Policy N-1-3: Use the noise contour mapping identified in Figure 8-7 to inform land use decisions. Figure 3 that appears in Attachment A reproduces this noise map and shows clearly that the proposed project is within the 70 dBA Ldn contour attributed primarily to State Route 99 highway traffic.

3 Impact Assessment

3.1 Approach and Methodology

3.1.1 Construction Noise

Short-term, construction-related noise effects attributed to implementation of the Project were assessed with respect to nearby noise-sensitive receptors and their relative exposure (accounting for intervening, barriers, distance, etc.), based on application of an FHWA Roadway Construction Noise Model (RCNM) emulator and its reference noise level data and acoustical usage-factors (AUF). The AUF value refers to what portion of time that a piece of heavy equipment is actually working under full load conditions and thus emitting noise at a maximum noise level (L_{max}). When diluted over a defined period, the L_{eq} may be calculated from the AUF and the equipment L_{max} value at a reference distance of 50 feet. For purposes of this assessment, construction noise was evaluated with two different approaches as follows:

- The two loudest pieces of equipment associated with an anticipated Project construction phase are studied and operating as close as five feet from the Project boundary. This is akin to the Federal Transit Administration (FTA) “general assessment” method and considered most appropriate for phases where limited quantities of equipment would be at this nearest distance to an offsite noise-sensitive receptor.
- All equipment from the geographic center (a.k.a. “acoustic centroid”) of the Project construction site, which serves as the time-averaged location of active construction equipment for the phase under study. This is also comparable to the aforementioned FTA assessment technique, in that it accounts for the uncertain location of individual equipment at any given moment operating within the defined construction area.

Table 3 summarizes these two distances (i.e., between the apparent closest offsite noise-sensitive receptor and the Project boundary for the former, and between the same offsite receptor and the acoustic centroid) for each of the five sequential construction phases.

Table 3. Estimated Distances between Construction Activities and the Nearest Noise-sensitive Receptors

Construction Phase	Distance from Nearest Noise-Sensitive Receptor to Construction Site Boundary (Feet)		Distance from Nearest Noise-Sensitive Receptor to Acoustical Centroid of Site (Feet)	
	V1F1	V1F4	V1F1	V1F4
Site Preparation	155	155	265	415
Grading	155	155	265	415
Building construction	155	155	265	415
Paving	155	155	265	415
Architectural Coating	155	155	265	415

Notes: V1F1 = Vasari Apartment Homes, first floor, number 1 (see Figure 6); V1F4 = Vasari Apartment Homes, first floor, number 4 (see Figure 6).

3.1.2 Offsite Roadway Traffic Noise

Existing and existing-plus-project traffic noise emission levels were predicted from roadway segments studied in the Transportation Operations Review memorandum (Fehr & Peers 2022) and include the following (with estimated speeds shown in miles per hour [mph]):

- Sheldon Road west of project site (45 mph);
- Sheldon Road east of project site (45 mph);
- SR 99 ramps south of Sheldon Road (35 mph); and
- W. Stockton Blvd. north of Sheldon Road (50 miles per hour)

Offsite roadway traffic noise predictions were performed with the Federal Highway Administration (FHWA) RD-77-108 traffic noise model using California Vehicle Noise (“Calveno”) Reference Energy Mean Emission Level (REMEL) curves (Caltrans 1998). Although varyingly distant from noise-sensitive receivers nearest to the Project site, predicted traffic noise contribution from California State Route 99 (SR99) has been included and logarithmically added to the estimated traffic noise from studied local roadway segments. From calculations appearing in Attachment C, Roadway Traffic Noise Prediction Worksheets, key model inputs and assumptions are as follows:

- Caltrans traffic volume data for 2019 (i.e., pre-COVID conditions) reports an AWT volume of 159,000 on the SR99 Sacramento Stockton Boulevard segment nearest to the Project site. (Caltrans 2019)
- Medium and heavy truck percentages of studied local roadway average weekday traffic (AWT) volumes were conservatively assumed to match those of the nearby SR99 highway segment that connects to the local roadway network of the Project vicinity via ramps south of Sheldon Road; and
- Meteorological conditions are 68 degrees Fahrenheit air temperature and 50% relative humidity.

3.1.3 Onsite Project Operations Noise

A Datakustik CadnaA model was prepared to model aggregate noise emission from a variety of anticipated onsite acoustical contributors associated with Project operation. CadnaA sound propagation software is a leading three-dimensional noise modeling tool for such applications and is based on aforesaid International Organization of Standardization (ISO) 9613-2 standard techniques and reference information. The studied sound sources included in the CadnaA-based prediction model are detailed in the following paragraphs.

3.1.3.1 Convenience Store Rooftop HVAC

Per worksheets appearing in Attachment D, this predictive analysis assumes the proposed convenience store will require approximately 6,300 cubic feet per minute (cfm) of minimum outside air entrainment for appropriate indoor air quality and comfort and be provided by a rooftop air handling unit (AHU) or component of a packaged heating, ventilating, and air-conditioning (HVAC) system. This AHU is expected to emit 72 dBA sound power level (PWL). Cooling load has been estimated as approximately 14.5 tons of refrigeration that would be supplied by other HVAC

system components connected to a rooftop-mounted air-cooled condenser (ACC) with fans. While the refrigeration compressors may be located indoors as part of a split-system, or enclosed within an insulated cabinet, the heat transfer fan array would remain exposed to the outdoors; hence, the ACC is expected to emit 78 dBA PWL.

3.1.3.2 Parking Lot Movements

An hourly average noise level generated by parking lot movements may be estimated with the following expression:

$$\text{Hourly } L_{eq} = 70 + 10 * \text{LOG}(N) - 35.6$$

where 70 dBA is the mean Sound Exposure Level (SEL) at a reference distance of 50 feet for an automobile parking lot arrival or departure, N is the number of parking lot operations in a given hour, and 35.6 is ten times the logarithm of the number of seconds in an hour (BAC 2020). The reference SEL is comparable to measurements that Dudek has performed for previous project studies. Table 1 of the F&P report indicates the quantity of morning peak hour trips is 66 (total of in and out), which would represent N in the above expression. Converted to sound power level (PWL) and applied across the Project area as a single area source, this hourly L_{eq} value serves as a reference input from which noise exposure levels at the nearest noise-sensitive receptors offsite can then be estimated after application of distance propagation and other natural attenuation factors such as air absorption and ground absorption consistent with ISO 9613-2 algorithms and reference data.

3.1.3.3 Fuel Pump Operation

The Project site will feature twenty fuel pumps, which for purposes of this assessment are assumed to resemble Gilbarco GPU90 model dispensers with “vane” type pumps that emit 83 dBA SPL (Gilbarco undated). The predictive analysis also assumes that the individual pumps will be operational up to a cumulative thirty minutes during the busiest morning hour associated with the aforementioned 66 total hourly customer trips in and out of the Project site.

3.1.4 Construction Vibration

Groundborne vibration attenuates rapidly, even over short distances. The attenuation of groundborne vibration as it propagates from source to receptor through intervening soils and rock strata can be estimated with expressions found in FTA and Caltrans guidance. By way of example, an operating bulldozer on site and as close as the northern project boundary (i.e., approximately 155 feet from the nearest occupied offsite property) the estimated vibration velocity level would be 0.006 ips per the equation as follows (FTA 2018):

$$PPV_{rcvr} = PPV_{ref} * (25/D)^{1.5} = 0.006 = 0.089 * (25/155)^{1.5}$$

In the above equation, PPV_{rcvr} is the predicted vibration velocity at the receiver position, PPV_{ref} is the reference value at 25 feet from the vibration source (the bulldozer), and D is the actual horizontal distance to the receiver. Therefore, at this predicted PPV, the impact of vibration-induced annoyance to occupants of nearby existing homes would be less than significant.

3.2 Prediction Results

3.2.1 Construction Noise

Attachment B displays the usage of a Microsoft Excel-based noise prediction model emulating and using reference data from the RCNM (FHWA 2008) to predict per-phase construction noise exposure levels at the two sample receptors appearing in Table 4 for each of the two evaluation techniques (i.e., nearest distance or acoustic centroid). Consistent with assumptions used in the air quality assessment for the Project, the predictive model also considers how many hours that equipment may be on site and operating (or idling) within an established work shift. Conservatively, no topographical was assumed in the modeling; however, the model does account for existing offsite residential land uses represented by receptors V1F1 and V1F4 in Figure 6 that are within communities featuring sound-occluding six-foot or eight-foot-tall concrete masonry unit (CMU) walls. The RCNM has default AUF values for the various pieces of equipment, derived from an extensive FHWA study of typical construction activity patterns, which were used for this noise analysis and yield prediction results presented in Table 4.

Table 4. Predicted Construction Noise Levels per Activity Phase

Construction Phase	8-Hour L_{eq} at Nearest Noise-Sensitive Receptor to Construction Site Boundary (dBA)		8-Hour L_{eq} at Nearest Noise-Sensitive Receptor to Acoustical Centroid of Site (dBA)	
	V1F1	V1F4	V1F1	V1F4
Site Preparation	56.1	64.2	64.0	58.6
Grading	57.9	65.9	64.5	59.1
Building construction	51.6	59.7	60.5	55.1
Paving	51.0	59.0	62.2	56.8
Architectural Coating	47.8	55.9	52.0	46.6

Notes: V1F1 = Vasari Apartment Homes, first floor, number 1 (see Figure 6); V1F4 = Vasari Apartment Homes, first floor, number 4 (see Figure 6).

All predicted construction noise levels, per phase and at the indicated sample nearest NSR, are expected to be less than the FTA-based guidance criterion of 80 dBA 8-hour L_{eq} and are comparable to or less than the outdoor daytime ambient noise levels due to the acoustical dominance of pre-existing proximate roadway traffic. On these bases, environmental noise attributed to construction activity would be considered a less than significant impact.

3.2.2 Offsite Roadway Traffic Noise

Attachment C presents the inputs and calculation results for the following two studied scenarios (Existing and Existing plus Project) that yield results for the set of four studied offsite noise-sensitive receptors (NSR) appearing in Figure 5 and are displayed in the following Table 5.

Table 5. Predicted Traffic Noise Exposures (CNEL) at Onsite Sensitive Receptors

Studied Noise-Sensitive Receptor (Figure 5 tag)	Modeled Onsite CNEL (dBA)		
	Existing Conditions	Existing plus Project	Change due to Project (dB)
Vasari Apartment Homes at 8163 Sheldon Road (NSR1)	71.7	71.7	0.02
8364 Sheldon Road (NSR2)	72.5	72.6	0.06
Homes west of Sheldon Terrace Lane near Zenia Lane (NSR3)	67.3	67.3	<0.01
Vasari Apartment Homes at 8728 W. Stockton Blvd. (NSR4)	74.8	74.9	0.04

Source: Dudek 2023

Notes: dBA = A-weighted decibels; L_{eq} = energy-equivalent level.

The predicted changes to traffic noise level exposures appearing in Table 5 are all less than 1 dB; hence, the project would not cause a significant traffic noise impact to the surrounding community.

3.2.3 Onsite Project Operations Noise

Figure 6 illustrates that the aggregate noise emission from onsite Project sound sources that include the convenience store rooftop HVAC unit(s), parking lot movements, and fuel dispenser pumps would be less than 40 dBA hourly L_{eq} at the nearest offsite residential receptors. The predicted level at a representative receptor location at the San Joaquin Cemetery to the east of W. Stockton Boulevard would experience Project operation noise less than 45 dBA hourly L_{eq}. Based on these predicted levels being less than the nighttime City of Elk Grove threshold of 45 dBA, Project operation noise would be a less than significant impact.

3.2.4 Construction Vibration

The most vibratory of anticipated heavy construction equipment for implementing the proposed Project is a roller during the paving phase, which has a reference PPV of 0.21 ips at a distance of 25 feet (FTA 2018). Using the expression shown in Section 3.1.4, the groundborne vibration propagated through local soils and received by the nearest existing offsite residential building is predicted to be less than 0.014 ips per the following calculation:

$$PPV_{rcvr} = PPV_{ref} * (25/D)^{1.5} = 0.21 * (25/155)^{1.5} = 0.0136 \text{ ips}$$

This predicted worst-case groundborne vibration level does not surpass either the Caltrans guidance-based limit of 0.2 ips PPV for annoyance or the 0.3 ips PPV for building damage risk to older residential structures. On these bases, the impact significance attributed to Project construction activity is considered less than significant.

Once operational, the proposed Project would not be expected to feature major producers of groundborne vibration. Anticipated mechanical systems like heating, ventilation, and air-conditioning units are designed and manufactured to feature rotating (fans, motors) and reciprocating (compressors) components that are well-balanced with isolated vibration within or external to the equipment casings. On this basis, potential vibration impacts due to proposed Project operation would be less than significant.

4 Conclusions and Recommendations

In summary, the proposed Project is expected to generate construction activity noise that is compliant with FTA guidance and groundborne vibration from construction that is less than Caltrans-based guidance thresholds of significance. The added Project trips to the surrounding network of roadway traffic is expected to result in a negligible increase (i.e., less than 0.1 dB change) in roadway traffic noise as received by studied samples of existing NSR in the vicinity. Aggregate noise emission from Project onsite sources, even at peak hour levels of activity, are predicted to be compliant with nighttime hourly noise level standards for both the City of Sacramento and the City of Elk Grove.

For these reasons, the proposed Project is expected to comply with relevant local noise standards and policies and without the need for additional noise attenuation features not already featured in the Project design and site layout.

6 References

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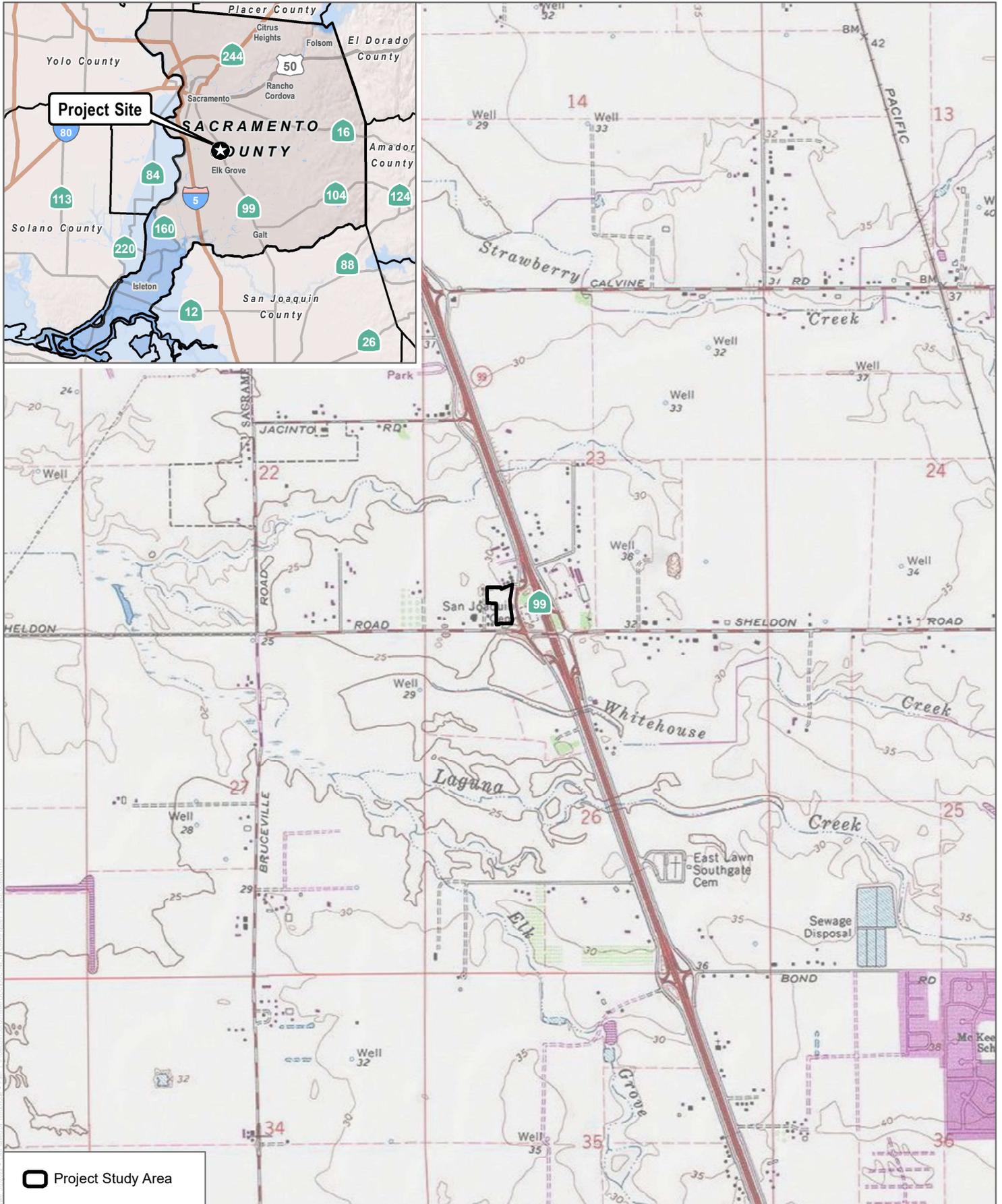
Attachments

A. Figures 1-6

B. Construction Noise Prediction Worksheets

C. Roadway Traffic Noise Prediction Worksheets

D. Stationary Noise Source Modeling Inputs



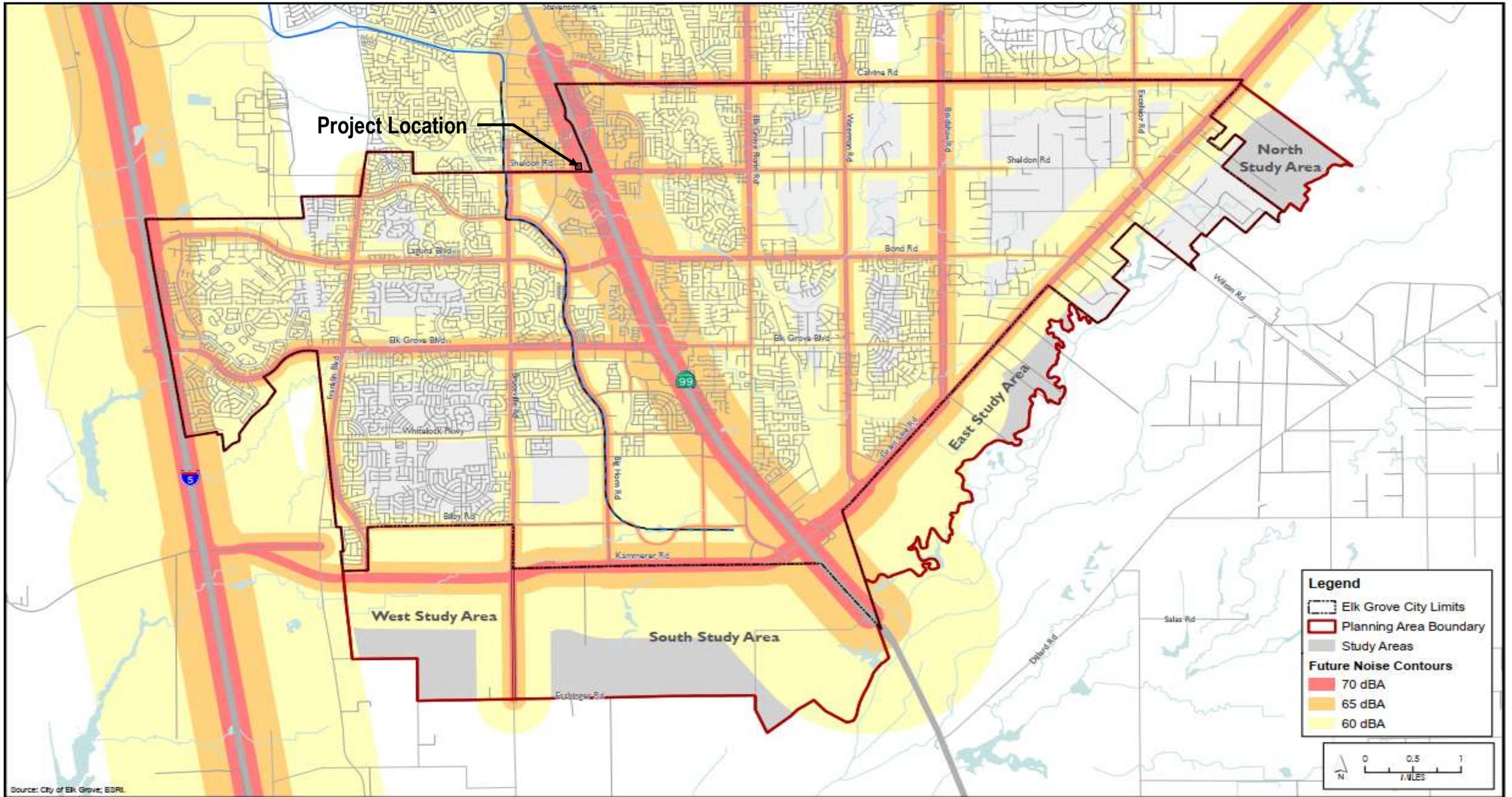
SOURCE: USGS 7.5-Minute Series Florin Quadrangle

DUDEK



FIGURE 1

Project Location



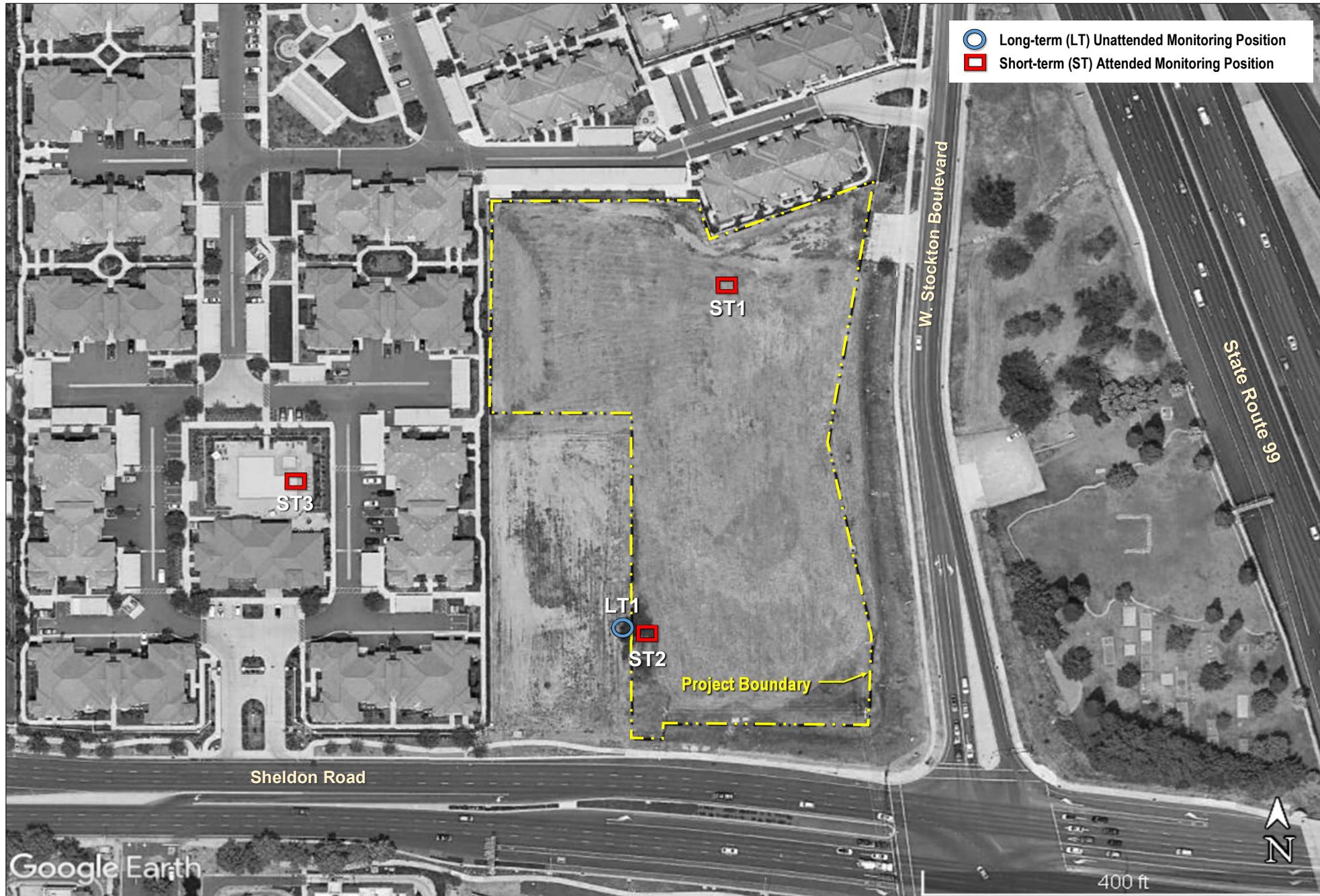
SOURCES: Dudek 2023; City of Elk Grove 2022



FIGURE 3

Location of Proposed Project within the 70 dBA Day-Night Sound Level (Ldn) Contour near State Route 99

Maverik - Stockton & Sheldon (Sacramento, CA) Noise Study - 13670



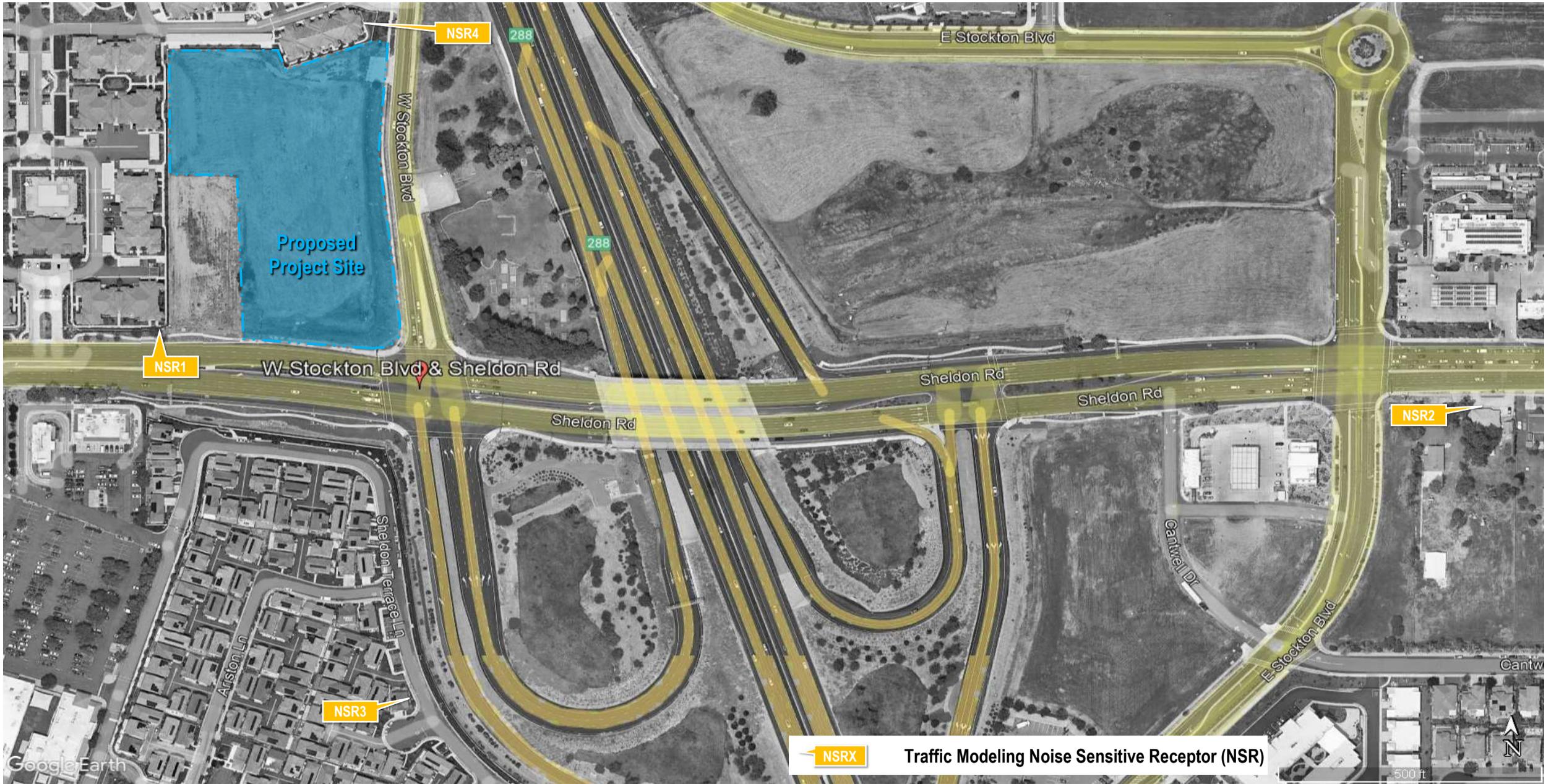
SOURCES: Dudek 2023; Google 2022



FIGURE 4

Baseline Outdoor Ambient Sound Level Survey Positions

Maverik - Stockton & Sheldon (Sacramento, CA) Noise Study - 13670

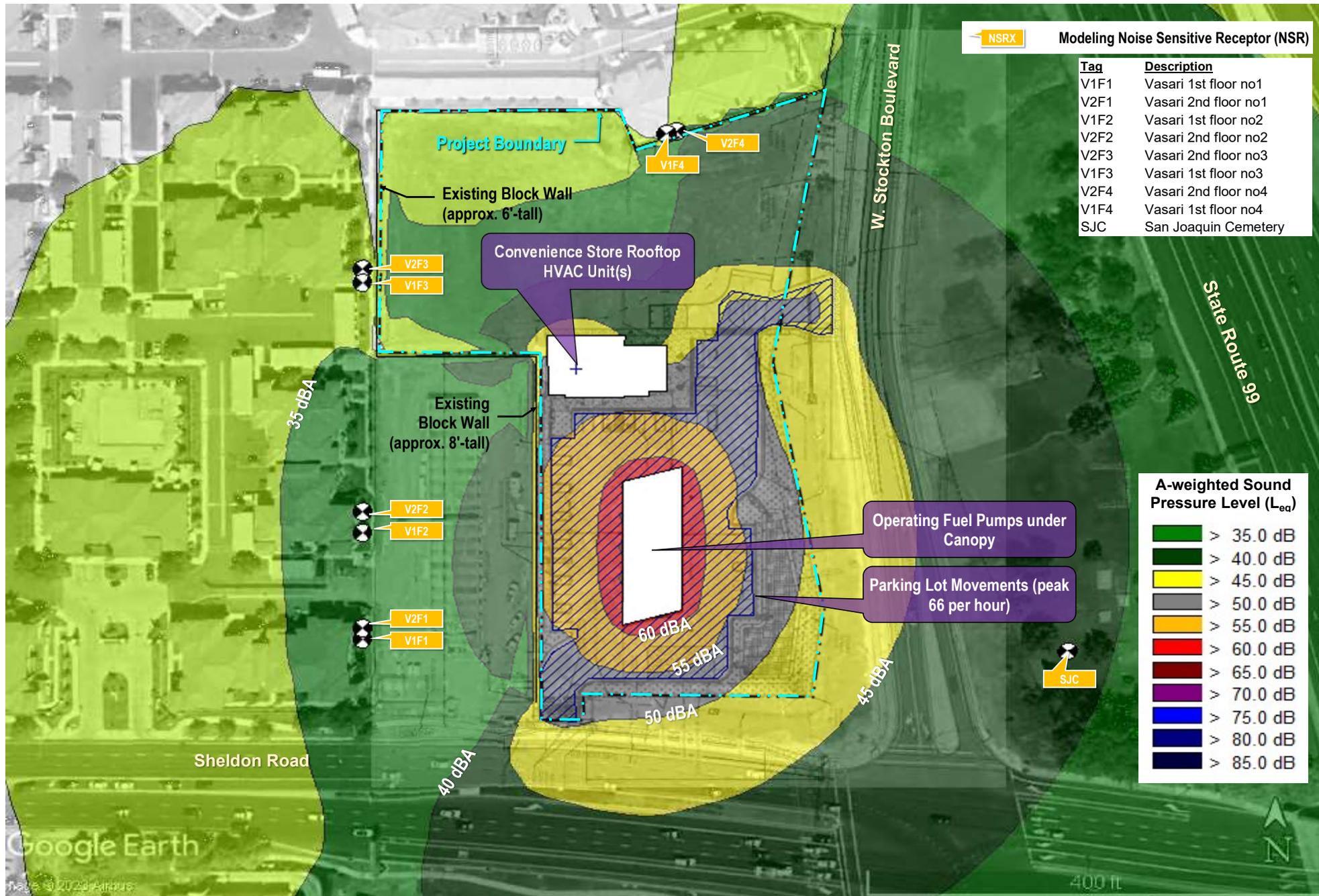


SOURCES: Google 2022; Dudek 2023



FIGURE 5
Studied Noise Sensitive Receptor Positions for Offsite Traffic Noise Predictions

Maverik - Stockton & Sheldon (Sacramento, CA) Noise Study - 13670



SOURCES: Dudek 2023; Cartwright NorCal 2023

DUDEK 0 48.5 97 Feet

FIGURE 6
Predicted Noise (Hourly L_{eq}) from Operation of Onsite Project Stationary Sources

Maverik - Stockton & Sheldon (Sacramento, CA) Noise Study - 13670

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = **80**
 allowable hours over which Leq is to be averaged = **8**

8 = highway noise barrier height (of earthen berm plus concrete wall above) between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source	Receiver	Barrier	Source to	Rcvr. to Barr.	Source to	"A" (ft)	"B" (ft)	"C" (ft)	Path Length	Abarr (dB)	Heff (with barrier)	Heff (w/out barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
													Elevation (ft)	Elevation (ft)	Height (ft)	Barr. ("A") Horiz. (ft)	("B") Horiz. (ft)	Rcvr. ("C") Horiz. (ft)	Diff. "P" (ft)	Diff. "P" (ft)	Diff. "P" (ft)	Diff. "P" (ft)	Diff. "P" (ft)					
Site Preparation	front end loader	2	40	79		265	2.0		58.2	8	480	57	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	dozer	3	40	82		265	2.0		61.2	8	480	62	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	backhoe	2	40	78		265	2.0		57.2	8	480	56	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
Total for Site Preparation Phase:																												
												64.0																
Grading	excavator	1	40	81		265	2.0		60.2	8	480	56	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	grader	1	40	85		265	2.0		64.2	8	480	60	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	dozer	1	40	82		265	2.0		61.2	8	480	57	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	front end loader	3	40	79		265	2.0		58.2	8	480	59	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
Total for Grading Phase:																												
												64.5																
Building Construction	crane	1	16	81		265	2.0		60.2	7	420	52	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	man lift	3	20	75		265	2.0		54.2	8	480	52	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	generator	1	50	72		265	2.0		51.2	8	480	48	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	front end loader	3	40	79		265	2.0		58.2	7	420	58	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	welder / torch	1	40	73		265	2.0		52.2	8	480	48	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
Total for Building Construction Phase:																												
												60.5																
Paving	concrete mixer truck	2	40	79		265	2.0		58.2	6	360	56	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	paver	1	50	77		265	2.0		56.2	8	480	53	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	roller	2	20	80		265	2.0		59.2	6	360	54	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
	front end loader	3	40	79	includes "paving equipment"	265	2.0		58.2	8	480	59	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
Total for Paving Phase:																												
												62.2																
Architectural Coating	compressor (air)	1	40	78		265	2.0		57.2	6	360	52	5	5	8	115	150	265	115.0	150.0	265.0	0.07	3.1	13.0	5.0	0.5	0.7	2.0
Total for Architectural Coating Phase:																												
												52.0																

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = **80**
 allowable hours over which Leq is to be averaged = **8**

6 = highway noise barrier height (of earthen berm plus concrete wall above) between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source	Receiver	Barrier	Source to	Rcvr. to Barr.	Source to	"A" (ft)	"B" (ft)	"C" (ft)	Path Length	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
													Elevation (ft)	Elevation (ft)	Height (ft)	Barr. ("A") Horiz. (ft)	("B") Horiz. (ft)	Rcvr. ("C") Horiz. (ft)	Diff. "P" (ft)	Diff. "P" (ft)	Diff. "P" (ft)	Diff. "P" (ft)	Diff. "P" (ft)					
Site Preparation	front end loader	2	40	79		415	3.1		52.8	8	480	52	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	dozer	3	40	82		415	3.1		55.8	8	480	57	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	backhoe	2	40	78		415	3.1		51.8	8	480	51	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
Total for Site Preparation Phase:																												
												58.6																
Grading	excavator	1	40	81		415	3.1		54.8	8	480	51	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	grader	1	40	85		415	3.1		58.8	8	480	55	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	dozer	1	40	82		415	3.1		55.8	8	480	52	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	front end loader	3	40	79		415	3.1		52.8	8	480	54	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
Total for Grading Phase:																												
												59.1																
Building Construction	crane	1	16	81		415	3.1		54.8	7	420	46	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	man lift	3	20	75		415	3.1		48.8	8	480	47	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	generator	1	50	72		415	3.1		45.8	8	480	43	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	front end loader	3	40	79		415	3.1		52.8	7	420	53	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	welder / torch	1	40	73		415	3.1		46.8	8	480	43	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
Total for Building Construction Phase:																												
												55.1																
Paving	concrete mixer truck	2	40	79		415	3.1		52.8	6	360	51	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	paver	1	50	77		415	3.1		50.8	8	480	48	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	roller	2	20	80		415	3.1		53.8	6	360	49	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
	front end loader	3	40	79	includes "paving equipment"	415	3.1		52.8	8	480	54	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
Total for Paving Phase:																												
												56.8																
Architectural Coating	compressor (air)	1	40	78		415	3.1		51.8	6	360	47	5	5	6	410	5	415	410.0	5.1	415.0	0.10	4.0	11.0	5.0	0.6	0.7	3.1
Total for Architectural Coating Phase:																												
												46.6																

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = 80
 allowable hours over which Leq is to be averaged = 8

6 = highway noise barrier height (of earthen berm plus concrete wall above) between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source	Receiver	Barrier	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (w/out barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
													Elevation (ft)	Elevation (ft)	Height (ft)													
Site Preparation	front end loader	0	40	79		155	3.6		62.2	8	480	0	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	dozer	2	40	82		155	3.6		65.2	8	480	64	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	backhoe	0	40	78		155	3.6		61.2	8	480	0	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
Total for Site Preparation Phase:												64.2																
Grading	excavator	0	40	81		155	3.6		64.2	8	480	0	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	grader	1	40	85		155	3.6		68.2	8	480	64	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	dozer	1	40	82		155	3.6		65.2	8	480	61	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	front end loader	0	40	79		155	3.6		62.2	8	480	0	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
Total for Grading Phase:												65.9																
Building Construction	crane	1	16	81		155	3.6		64.2	7	420	56	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	man lift	0	20	75		155	3.6		58.2	8	480	0	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	generator	0	50	72		155	3.6		55.2	8	480	0	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	front end loader	1	40	79		155	3.6		62.2	7	420	58	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	welder / torch	0	40	73		155	3.6		56.2	8	480	0	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
Total for Building Construction Phase:												59.7																
Paving	concrete mixer truck	1	40	79		155	3.6		62.2	6	360	57	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	paver	0	50	77		155	3.6		60.2	8	480	0	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	roller	1	20	80		155	3.6		63.2	6	360	55	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
	front end loader	0	40	79	includes "paving equipment"	155	3.6		62.2	8	480	0	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
Total for Paving Phase:												59.0																
Architectural Coating	compressor (air)	1	40	78		155	3.6		61.2	6	360	56	5	5	6	150	5	155	150.0	5.1	155.0	0.10	4.1	11.0	5.0	0.6	0.7	3.6
Total for Architectural Coating Phase:												55.9																

Equipment Description	Impact Device?	Acoustical Use Factor (%)	Lesser of or available Lmax	Spec. 721 Lmax	Measured L _{max} @50ft (dBA, slow)
All Other Equipment > 5 HP	No	50	85	85	-- N/A --
Auger Drill Rig	No	20	84	85	84
Backhoe	No	40	78	80	78
Bar Bender	No	20	80	80	-- N/A --
Blasting	Yes	-- N/A --	94	94	-- N/A --
Boring Jack Power Unit	No	50	80	80	83
Chain Saw	No	20	84	85	84
Clam Shovel (dropping)	Yes	20	87	93	87
Compactor (ground)	No	20	80	80	83
Compressor (air)	No	40	78	80	78
Concrete Batch Plant	No	15	83	83	-- N/A --
Concrete Mixer Truck	No	40	79	85	79
Concrete Pump Truck	No	20	81	82	81
Concrete Saw	No	20	90	90	90
Crane	No	16	81	85	81
Dozer	No	40	82	85	82
Drill Rig Truck	No	20	79	84	79
Drum Mixer	No	50	80	80	80
Dump Truck	No	40	76	84	76
Excavator	No	40	81	85	81
Flat Bed Truck	No	40	74	84	74
Front End Loader	No	40	79	80	79
Generator	No	50	72	72	81
Generator (<25KVA, VMS signs)	No	50	70	70	73
Gradall	No	40	83	85	83
Grader	No	40	85	85	-- N/A --
Grapple (on backhoe)	No	40	85	85	87
Horizontal Boring Hydr. Jack	No	25	80	80	82
Hydra Break Ram	Yes	10	90	90	-- N/A --
Impact Pile Driver	Yes	20	95	95	101
Jackhammer	Yes	20	85	85	89
Man Lift	No	20	75	85	75
Mounted Impact Hammer (hoe ram)	Yes	20	90	90	90
Pavement Scarifier	No	20	85	85	90
Paver	No	50	77	85	77
Pickup Truck	No	40	55	55	75
Pneumatic Tools	No	50	85	85	85
Pumps	No	50	77	77	81
Refrigerator Unit	No	100	73	82	73
Rivit Buster/chipping gun	Yes	20	79	85	79
Rock Drill	No	20	81	85	81
Roller	No	20	80	85	80
Sand Blasting (Single Nozzle)	No	20	85	85	96
Scraper	No	40	84	85	84
Shears (on backhoe)	No	40	85	85	96
Slurry Plant	No	100	78	78	78
Slurry Trenching Machine	No	50	80	82	80
Soil Mix Drill Rig	No	50	80	80	-- N/A --
Tractor	No	40	84	84	-- N/A --
Vacuum Excavator (Vac-truck)	No	40	85	85	85
Vacuum Street Sweeper	No	10	80	80	82
Ventilation Fan	No	100	79	85	79
Vibrating Hopper	No	50	85	85	87
Vibratory Concrete Mixer	No	20	80	80	80
Vibratory Pile Driver	No	20	95	95	101
Warning Horn	No	5	83	85	83
Welder / Torch	No	40	73	73	74
Skid-steer*	No	40	80		

* [https://ia.cpuc.ca.gov/Environment/info/ene/mesa/attachment/A1503003%20ED-SCE-01%20Q.PD-01%20Attachment%20\(Revised%20Noise%20Levels%20Construction%20Equipment\).pdf](https://ia.cpuc.ca.gov/Environment/info/ene/mesa/attachment/A1503003%20ED-SCE-01%20Q.PD-01%20Attachment%20(Revised%20Noise%20Levels%20Construction%20Equipment).pdf)

Roadway Traffic Noise Prediction (CNEL)
(FHWA RD-77-108, using Calveno curves)

User Inputs (boxed cells)

Day	80.00%
Evening	10.00%
Nighttime	10.00%

Project:
Scenario:

Roadway Segment	Peak Hour Traffic (AM) ^A	Peak Hour Traffic (PM) ^A	Average Weekday Traffic (AWT) ^A	Speed (mph) ^A	NSR distance (feet)	Automobiles (Auto) ^B %	Medium Trucks (MT) ^{B,C} %**	Heavy Trucks (HT) ^{B,C} %**	Equivalent Traffic Percentages by Vehicle Type			Auto Noise (at 50ft)	MT Noise (at 50ft)	HT Noise (at 50ft)	CNEL Total (at 50ft)	CNEL ^D Total (at NSR)
									Auto	MT	HT					
Sheldon Road (west of project site) SR99	2,549	2,768	26585	45	70	94%	2%	4%	198.0%	4.2%	9.4%	69.7	61.2	69.2	72.8	70.6
	15,900	15,900		159000	65	875	94%	2%	4%	198.0%	4.2%	9.4%	82.1	71.5	78.5	83.9
NSR = 8163 Sheldon Road (Vasari Apartment Homes)																
Sheldon Road (east of project site) SR99	3,483	3,886	36845	45	70	94%	2%	4%	198.0%	4.2%	9.4%	71.1	62.6	70.7	74.2	72.0
	15,900	15,900		159000	65	1300	94%	2%	4%	198.0%	4.2%	9.4%	82.1	71.5	78.5	83.9
NSR = 8364 Sheldon Road																
SR 99 ramps south of Sheldon Road SR99	1,040	1,607	13235	35	175	94%	2%	4%	198.0%	4.2%	9.4%	63.5	56.5	55.7	64.9	56.7
	15,900	15,900		159000	65	675	94%	2%	4%	198.0%	4.2%	9.4%	82.1	71.5	78.5	83.9
NSR = homes west of Sheldon Terrace Lane near Zenia Lane																
W. Stockton Blvd. north of Sheldon Road SR99	772	656	7140	50	55	94%	2%	4%	198.0%	4.2%	9.4%	65.3	56.2	64.0	68.0	67.4
	15,900	15,900		159000	65	230	94%	2%	4%	198.0%	4.2%	9.4%	82.1	71.5	78.5	83.9
NSR = 8728 W. Stockton Blvd. (Vasari Apartment Homes)																

^Afrom Fehr & Peers March 15, 2022 Traffic Operations Analysis

^Bassume distribution on local roadways same as that on nearby SR 99 segment (from Caltrans 2019 data)

^Cmedium trucks are 2-axle, heavy trucks are 3-5 axles.

^Dassumes "soft" site propagation.

below from Caltrans 2019 Truck Volumes data:

RTE	RTE_SFX	DIST	CNTY	LEG	POSTMILE	DESCRIPTION	VEHICLE_TOTAL	TRUCK_TOTAL	TRK_PERCENT_T	TRK_2_AXLE	TRK_3_AXLE	TRK_4_AXLE	TRK_5_AXLE	TRK_2_AXLE_	TRK_3_AXLE_	TRK_4_AXLE_	TRK_5_AXLE_PCT
099		03	SAC	B	17.242	Sacramento, Stockton Blvd.	159,000	10,208	6.42	3151	685	343	6029	30.87	6.71	3.36	59.06

Roadway Traffic Noise Prediction (CNEL)
 (FHWA RD-77-108, using Calveno curves)

User Inputs (boxed cells)

Day	80.00%
Evening	10.00%
Nighttime	10.00%

Project:
 Scenario:

Roadway Segment	Peak Hour Traffic (AM) ^A	Peak Hour Traffic (PM) ^A	Average Weekday Traffic (AWT) ^A	Speed (mph) ^A	NSR distance (feet)	Automobiles (Auto) ^B %	Medium Trucks (MT) ^{B,C} %**	Heavy Trucks (HT) ^{B,C} %**	Equivalent Traffic Percentages by Vehicle Type			Auto Noise (at 50ft)	MT Noise (at 50ft)	HT Noise (at 50ft)	CNEL Total (at 50ft)	CNEL Total (at NSR)	CNEL ^D Change (dB) at NSR	
									Auto	MT	HT							
Sheldon Road (west of project site) SR99	2,565	2,784	26745	45	70	94%	2%	4%	198.0%	4.2%	9.4%	69.7	61.3	69.3	72.8	70.6		
	15,900	15,900	159000	65	875	94%	2%	4%	198.0%	4.2%	9.4%	82.1	71.5	78.5	83.9	65.2		
NSR = 8163 Sheldon Road (Vasari Apartment Homes)																logsum of roadway segment noise:	71.7	0.02
Sheldon Road (east of project site) SR99	3,549	3,926	37375	45	70	94%	2%	4%	198.0%	4.2%	9.4%	71.2	62.7	70.7	74.3	72.1		
	15,900	15,900	159000	65	1300	94%	2%	4%	198.0%	4.2%	9.4%	82.1	71.5	78.5	83.9	62.7		
NSR = 8364 Sheldon Road																logsum of roadway segment noise:	72.6	0.06
SR 99 ramps south of Sheldon Road SR99	1,053	1,627	13400	35	175	94%	2%	4%	198.0%	4.2%	9.4%	63.6	56.5	55.7	64.9	56.8		
	15,900	15,900	159000	65	675	94%	2%	4%	198.0%	4.2%	9.4%	82.1	71.5	78.5	83.9	66.9		
NSR = homes west of Sheldon Terrace Lane near Zenia Lane																logsum of roadway segment noise:	67.3	0.00
W. Stockton Blvd. north of Sheldon Road SR99	810	694	7520	50	55	94%	2%	4%	198.0%	4.2%	9.4%	65.5	56.5	64.2	68.2	67.6		
	15,900	15,900	159000	65	230	94%	2%	4%	198.0%	4.2%	9.4%	82.1	71.5	78.5	83.9	74.0		
NSR = 8728 W. Stockton Blvd. (Vasari Apartment Homes)																logsum of roadway segment noise:	74.9	0.04

^A from Fehr & Peers March 15, 2022 Traffic Operations Analysis

^B assume distribution on local roadways same as that on nearby SR 99 segment (from Caltrans 2019 data)

^C medium trucks are 2-axle, heavy trucks are 3-5 axles.

^D assumes "soft" site propagation.

below from Caltrans 2019 Truck Volumes data:

RTE	RTE_SFX	DIST	CNTY	LEG	POSTMILE	DESCRIPTION	VEHICLE_TOTAL	TRUCK_TOTAL	TRK_PERCENT_T	TRK_2_AXLE	TRK_3_AXLE	TRK_4_AXLE	TRK_5_AXLE	TRK_2_AXLE_PCT	TRK_3_AXLE_PCT	TRK_4_AXLE_PCT	TRK_5_AXLE_PCT
099		03	SAC	B	17.242	Sacramento, Stockton Blvd.	159,000	10,208	6.42	3151	685	343	6029	30.87	6.71	3.36	59.06

Project parking lot movements

Receiver	Perp. Distance (ft) to Source	Distance dB loss	Air absorption dB loss	Ground abs. dB loss	Est. Barrier Insert. loss dB	SPL Leq at Rcvr	Source (ft)	Rcvr (ft)	Ref dBA	Vehicles (N)	Ref dist	Notes
reference	3.28	-23.7	0.0	0.0	0	76.3	3	5	53	66		50 vehicle count (peak hour AM) is per Table 1 of the Fehr & Peers traffic analysis (March 2022)

AHUs (plenum-type return fan only, no condenser units [see separate worksheet]):

Building Minimum Ventilation

A-weighting adjustments

26	13	9	3	0	-1	-1	1
----	----	---	---	---	----	----	---

average of values for the two fan diameter ranges, per Guyer (Table 12)	plug	40	40	38	34	29	23	19	16
average of values for the two fan diameter ranges, per Guyer (Table 12)	tube	47	44	46	47	44	45	38	35
per Guyer (Table 12, presumed based on Bies & Hansen ENC)	prop	46	48	55	53	52	48	43	38

percent GSF actually occupied (and need ventilation):

Tag	Building	GSF	Avail. SF	Height (ft)	Avg. minutes to change air*	Volume (ft3)	CFM	comparable facility m ² function	Pressure (iwg)	Pressure (Pa)	Q (m ³ /s)	fantype = plug, tube, or prop	A-weighted PWL (for CadnaA inputs)							OA dB				
													63	125	250	500	1000	2000	4000		8000			
<i>return air fans in building rooftop AHUs:</i>																								
	Retail A	5637	5073	10	8	50733	6341.625	472 retail stores	2	500	3	plug	53	65	66	67	64	57	51	46	72			
fan or AHU cabinet liner/interior attenuation (excludes inlet/outlet PWL split, already in calcs above):													2	3	4	5	6	8	10	10				

*from 3-10 minute range for "retail stores", 2-5 minute range for "residences" per Loren Cook's "Engineering Cookbook", 1999 edition, p. 41

ACCs (air-cooled chillers on rooftops):

Building Interior Comfort

with or without sound insulation? (enter Y/N):

	tons	LWA	unweighted PWL (dB) per OCBF (Hz) at full load (100%)							
			63	125	250	500	1000	2000	4000	8000
Bryant BH16-018 (no sound blanket)	1.5	68	66.2	66.2	63.8	64.1	64.6	59.9	57.7	53.6
Bryant BH16-024 (no sound blanket)	2	72	63.4	63.4	63.3	63.3	70.4	64.5	59.3	55.5
Bryant BH16-036 (no sound blanket)	3	72	67.7	67.7	66.8	68.1	69.9	62.8	60.3	55.2
Bryant BH16-048 (no sound blanket)	4	73	67.5	67.5	67.8	70.1	70.6	63.1	58.5	53.3
Bryant BH16-060 (no sound blanket)	5	70	61.7	61.7	65.6	68.1	65.8	59.8	58.4	56.1
Daikin AGZ-E 30 (w/out sound insulation)	30	88	92	91	88	87	83	78	73	68
Daikin AGZ-E 40 (w/out sound insulation)	40	89	92	91	90	88	84	79	74	69
Daikin AGZ-E 50 (w/out sound insulation)	50	90	93	93	91	89	85	79	74	69
Daikin AGZ-E 60 (w/out sound insulation)	60	91	94	93	94	89	86	81	76	71
Daikin AGZ-E 70 (w/out sound insulation)	70	92	95	95	94	89	87	81	76	71
Daikin AGZ-E 80 (w/out sound insulation)	80	92	95	95	95	89	87	81	76	71
Daikin AGZ-E 90 (w/out sound insulation)	90	93	94	95	92	91	89	83	81	81
Daikin AGZ-E 120 (w/out sound insulation)	120	95	93	96	92	92	90	84	84	82
Daikin AGZ-E 240 (w/out sound insulation)	241	100	98	98	98	95	96	90	90	86

actual percent of GSF occupied:

Phase	Building Tag	GSF	Avail. SF	comparable facility function	Avg. GSF per ton* tons of refrig.	Approx. Qty. of ACCs	tons per ACC	Approx. Total PWL (dBA)	unweighted PWL (dB) per OCBF (Hz) at full load (100%)								
									63	125	250	500	1000	2000	4000	8000	
	Retail A	5637	5073	Department Stores - main floor	350	14.5	<input type="text" value="3"/>	5	78	72	72	73	75	75	68	63	58

*based upon "lo" value per Loren Cook's "Engineering Cookbook", 1999 edition, pp. 59-60

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**APPENDIX F:
TRANSPORTATION MEMORANDUM**

Draft Memorandum

Date: March 15, 2022
To: Matthew Ilagan, City of Sacramento
From: Greg Behrens, Fehr & Peers
Subject: **Transportation Operations Review of Maverik Gas Station on Sheldon Road in Sacramento, CA**

RS21-4131

This memorandum documents the analysis of transportation operations, site access, and on-site circulation associated with the proposed Maverik Gas Station project on Sheldon Road in Sacramento, California.

Project Site Setting

The project site is located on a vacant lot at the northwest corner of the Sheldon Road/Southbound State Route (SR) 99 Ramps/West Stockton Boulevard intersection.

Figure 1 illustrates the existing roadway network within the project site vicinity. Along the project site frontage (west of West Stockton Boulevard), Sheldon Road is a six-lane arterial with a posted speed limit of 40 miles per hour. To the east, Sheldon Road provides connections to SR 99 at the Sheldon Road interchange before continuing east into the City of Elk Grove. To the west, Sheldon Road transitions into Center Parkway and travels north past Cosumnes River College continuing further into the City of Sacramento.

Near the project site, West Stockton Boulevard is a two-lane roadway. The posted speed limit is 45 miles per hour, but speed surveys conducted in January 2021¹ indicated that the 85th percentile (i.e., critical) speed is 50 miles per hour for southbound traffic within the vicinity of the project site. To the north, West Stockton Boulevard continues until its terminus at Bruceville Road near the Cosumnes River College campus.

¹ Radar speed survey conducted on West Stockton Boulevard by National Data & Surveying Services (NDS) on January 20, 2021. Refer to technical appendix for speed survey data.



Figure 2 illustrates existing and planned bicycle facilities within the project site vicinity. Class II bike lanes are present on Sheldon Road, Jocelyn Way, and Lewis Stein Road. The *City of Elk Grove Bicycle, Pedestrian, and Trails Master Plan* (City of Elk Grove, May 2021) includes planned Class II buffered bike lanes on Sheldon Road. The *City of Sacramento Bicycle Master Plan* (City of Sacramento, August 2016) does not include any planned bicycle facility improvements within the project site vicinity.

Figure 3 illustrates existing pedestrian facilities within the project site vicinity. Generally, sidewalks are present on both sides of roadways near the project site, including Sheldon Road and West Stockton Boulevard along the project site frontage. Marked crosswalks are present on the north, south, and west legs of the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard signalized intersection.

Figure 4 illustrates existing transit services and facilities within the project site vicinity. Existing transit services near the project site include Elk Grove Transit Services local and commuter fixed-route bus routes operated by the Sacramento Regional Transit District (SacRT). Routes E10, E13, and E16 are commuter bus routes that operate between Elk Grove and Downtown Sacramento during peak periods on weekdays. Route 110 is a local bus route that operates between Cosumnes River College, Sutter Elk Grove Medical Center, and Kaiser Permanente Elk Grove Promenade Medical Office via Big Horn Boulevard. Existing bus stops nearest to the project site are located approximately one-quarter mile west of the project site at the Sheldon Road/Jocelyn Way/Lewis Stein Road intersection.

Data Collection

This analysis considers transportation operations and project access needs during the weekday AM and PM peak hours. Based on direction from City staff, this analysis additionally considers operating conditions under cumulative conditions, which assumes the completion of all planned local and regional land use and transportation system projects through 2040.

Baseline intersection turning movement data was derived from multiple sources for the following three study intersections:

1. Sheldon Road/Jocelyn Way/Lewis Stein
2. Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard
3. Sheldon Road/Northbound SR 99 Ramps

First, intersection turning movement data at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection was acquired through StreetLight Data from Fall 2019. Fall 2019 was selected because it represents the most recent “typical” scenario prior to the COVID-19 pandemic. Next, AM and PM peak period intersection turning movement data was collected at the Sheldon Road/Jocelyn Way/Lewis Stein, Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard, and Sheldon Road/Northbound



SR 99 Ramps intersections on Thursday, February 3, 2022. AM and PM peak hour data derived from these counts were adjusted upwards based on the Fall 2019 data at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection to establish baseline intersection turning movement estimates for the three study intersections. This step was necessary due to the lingering effects of the COVID-19 pandemic that were present during the February 2022 data collection, including remote instruction at the nearby Cosumnes River College.

Using the baseline intersection turning movement estimates, cumulative intersection turning movement data for a 2040 analysis year was estimated using the SACSIM19 travel demand model. The SACSIM19 model was used to prepare base and future year model forecasts, which were then used to adjust the baseline intersection turning movement estimates by applying the difference method to yield 2040 intersection turning movement estimates at the three study intersections.

February 2021 Access Feasibility Study Recommendations

The technical memorandum entitled *Access Feasibility Study for Maverik Gas Station on Sheldon Road in Sacramento, CA* (Fehr & Peers, February 18, 2021) summarizes an assessment of the preliminary proposed access for the proposed project. The following recommendations were identified in this study:

- Construct a westbound right-turn deceleration lane at the approach to the project's Sheldon Road driveway.
- Construct a two-way left-turn lane (TWLTL) on West Stockton Boulevard beginning at the end of the striping for the southbound left-turn pocket at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection and ending approximately 100 feet north of the project's West Stockton Boulevard driveway.
- Keep the Sheldon Road and West Stockton Boulevard landscaping strips and the West Stockton Boulevard center median clear of vegetation or other objects with a height in excess of six inches within the green areas shown on Figures 2 and 3 (of the prior technical memorandum).
- Design the Maverik site plan to accommodate a future drive aisle serving the vacant parcels located to the west and north.

These recommendations were incorporated into the current version of the project site plan, as described in the following section.



Project Travel Characteristics

Figure 5 shows the project site plan (*Preliminary Site Plan – Maverik – Sheldon Rd. & W. Stockton Blvd., Cartwright Nor Cal, August 12, 2021*). The proposed project would include a 5,637 square foot convenience store and 16 fueling positions.

The project would be accessed via two driveways. A right-in/right-out only driveway would be provided on Sheldon Road on the western edge of the project site. The project would modify the Sheldon Road project site frontage to accommodate a right-turn deceleration lane to serve this driveway. A full access driveway would be provided on West Stockton Boulevard on the northern edge of the project site. The project would modify the West Stockton Boulevard project site frontage to accommodate a TWLTL to serve this driveway.

Trip Generation

Typically, the trip generation of a proposed project is calculated using trip rates or equations contained in the *Institute of Transportation Engineers (ITE) Trip Generation Manual*. However, Fehr & Peers' experience analyzing comparable Maverik stores indicates that ITE rates substantially overstate peak hour trip generation compared to empirical data reviewed at existing Maverik stores.

In order to estimate trip generation for the proposed project, sales transaction data was obtained from three existing and comparable Maverik stores. Maverik stores #358 (Lehi, UT), #468 (Pasco, WA) and #503 (Boise, ID) provided store transaction data for all Mondays, Tuesdays, Wednesdays, and Thursdays in October 2019, which is an above average month in terms of fuel sales. Fehr & Peers conducted a weighted average of these three stores to estimate transactions for the proposed project.

The collected data was supplemented with PM peak hour observations on September 29, 2020 at a Maverik Gas Station located at 425 South Redwood Road, Salt Lake City, UT to determine local "internal trip estimates". Additional counts were also collected in September 2020 at similar gas station and convenience market/restaurant facilities in Roseville to verify local conditions. It was necessary to determine the proportion of fuel sales that also included a purchase inside store using sales transaction data due to the inclusion of the convenience store in the project description. These facilities were purposefully chosen because they share similar operating/design characteristics to that of the proposed project.

Table 1 shows the project's expected trip generation, including reductions for pass-by trips. Pass-by trips are trips already on the network and therefore would not be considered as new trips generated by the project. Pass-by trips were estimated from data presented in the *Trip Generation Handbook, 3rd Edition* (Institute of Transportation Engineers, 2017).



Table 1: Project Trip Generation

Land Use	Daily	AM Peak Hour			PM Peak Hour		
		In	Out	Total	In	Out	Total
Total Gross Trips	3,714	134	134	268	109	109	218
<i>Pass-By Trip Reduction</i>	-2,792	-101	-101	-202	-82	-82	-164
Net New External Trips	922	33	33	66	27	27	54

Note:
 Trip generation estimate calculated using observed data and pass-by rates obtained from Trip Generation Handbook, 3rd Edition (Institute of Transportation Engineers, 2017) for the Gas Station land use (Land Use Code 945).
 Source: Fehr & Peers, Maverik, *ITE Trip Generation Handbook, 3rd Edition, 2021*.

As shown in Table 1, during the AM peak hour, the project would generate 66 net new vehicle trips (50% in/50% out). During the PM peak hour, the project would generate 54 net new vehicle trips (50% in/50% out). Daily, the project would generate 922 net new vehicle trips. These represent net new external vehicle trips after accounting for reductions made for pass-by activity per the *Trip Generation Handbook*.

Trip Distribution and Assignment

Table 2 summarizes the estimated distribution of project trips. New project trips were assigned to the roadway network based on traffic patterns and the general distribution of jobs, housing, and other destinations in the area, as well as permitted driveway movements. Pass-by trips were assigned based on the volume of traffic at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard and ease of performing pass-by maneuvers.

Table 2: Project Trip Distribution

Direction	Existing Plus Project				Cumulative Plus Project			
	AM		PM		AM		PM	
	In	Out	In	Out	In	Out	In	Out
Sheldon Road to/from the west	42%	28%	30%	40%	41%	25%	28%	38%
Sheldon Road to/from the east	42%	44%	45%	38%	40%	45%	45%	39%
SR 99 Ramps to/from the south	9%	17%	19%	16%	11%	19%	20%	15%
W Stockton Boulevard to/from north	8%	11%	7%	7%	8%	11%	7%	8%

Source: Fehr & Peers, 2021.



Traffic Operations Analysis

AM and PM peak hour traffic forecasts were developed for Baseline Plus Project and Cumulative Plus Project conditions by adding project trips to baseline and Cumulative No Project volumes using the project's trip generation from Table 1 and the trip distribution percentages from Table 2.

The project would cause the following increases to baseline peak hour traffic volumes in the study area:

- AM Peak Hour
 - Two-way traffic volumes on Sheldon Road west of the project site would increase from 2,549 to 2,565 vehicles (0.6 percent increase)
 - Two-way traffic volumes on Sheldon Road east of West Stockton Boulevard would increase from 3,483 to 3,549 vehicles (1.9 percent increase)
 - Two-way traffic volumes on the Northbound SR 99 Ramps south of Sheldon Road would increase from 1,040 to 1,053 vehicles (1.3 percent increase)
 - Two-way traffic volumes on West Stockton Boulevard north of Sheldon Road would increase from 772 to 810 vehicles (4.9 percent increase)
- PM Peak Hour
 - Two-way traffic volumes on Sheldon Road west of the project site would increase from 2,768 to 2,784 vehicles (0.6 percent increase)
 - Two-way traffic volumes on Sheldon Road east of West Stockton Boulevard would increase from 3,886 to 3,926 vehicles (1.0 percent increase)
 - Two-way traffic volumes on the Northbound SR 99 Ramps south of Sheldon Road would increase from 1,607 to 1,627 vehicles (1.2 percent increase)
 - Two-way traffic volumes on West Stockton Boulevard north of Sheldon Road would increase from 656 to 694 vehicles (5.8 percent increase)

Peak Hour Intersection Operations

Peak hour intersection operations were analyzed using vehicle delay and level of service (LOS) as a measure of operational performance. LOS is a qualitative measure of traffic flow from the perspective of motorists and is an indication of the comfort associated with driving. Typical factors that affect LOS include speed, travel time, and traffic interruptions. Empirical LOS criteria and methods of calculation have been documented in the *Highway Capacity Manual, 6th Edition* (Transportation Research Board, 2016). LOS is a letter classification system, from A (representing free-flow traffic conditions) to F (oversaturated conditions where traffic demand exceeds capacity, resulting in long queues and delays).

These methodologies were implemented using SimTraffic 10 simulation software, which accounts for interactions between intersections, queue spillback, vehicle platooning, etc. The program also produces more accurate estimates of vehicular queuing (when compared to more deterministic methods).



The SimTraffic analysis utilized a seeding time of 15 minutes and a recording time of 15 minutes. Reported results are based on an average of 10 runs. The peak hour factor (PDF) was set at 1.0 in accordance with City of Sacramento Traffic Impact Study Guidelines.

Per *City of Elk Grove General Plan Policy MOB-1-3*, the peak hour delay target for signalized intersections within the City of Elk Grove is 55 seconds or better for average intersection delay. This target applies to the Sheldon Road/Jocelyn Way/Lewis Stein intersection, which is owned and operated by the City of Elk Grove.

The Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard and Sheldon Road/Northbound SR 99 Ramps intersections are owned and operated by Caltrans. It is important to note that in light of SB 743 and as described in the *Caltrans VMT-Focused Transportation Impact Study Guide* (May 2020), Caltrans has transitioned away from requesting LOS or other vehicle operations analyses of land use projects. Instead, Caltrans review of land use projects and plans is focused on a VMT metric, consistent with changes to the CEQA Guidelines resulting from SB 743.

Table 3 displays the peak hour delay and LOS at the three study intersections under Baseline and Baseline Plus Project conditions. All three study intersections operate at LOS C or better during the AM and PM peak hours under baseline conditions. The project would result in increases to peak hour delay at all three study intersections during the AM and PM peak hour under Baseline Plus Project conditions. However, the project would not result in a degradation of a LOS grade at any of the three study intersections between Baseline and Baseline Plus Project conditions.

Table 3: Peak Hour Intersection Operations – Baseline Plus Project Conditions

Intersection	Traffic Control	Jurisdiction	Baseline Conditions				Baseline Plus Project Conditions			
			AM		PM		AM		PM	
			Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
1. Sheldon Road/Jocelyn Way/Lewis Stein Road	Signal	City of Elk Grove	29	C	29	C	33	C	32	C
2. Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard	Signal	Caltrans	29	C	29	C	32	C	28	C
3. Sheldon Road/Northbound SR 99 Ramps	Signal	Caltrans	8	A	12	B	8	A	13	B
Notes: Average intersection delay is reported in seconds per vehicle for all approaches. Estimates derived using SimTraffic 10 simulation software. Source: Fehr & Peers, 2022.										



For the cumulative conditions traffic operations analysis, the phasing and cycle length inputs for the three study intersections were optimized with the anticipation that traffic operations would be monitored and that signal timing plans would be updated as conditions change. Given the coordinated signal operations along the Sheldon Road corridor, the cycle lengths were matched for the traffic signal inputs across the three study intersections. Additionally, the Sheldon Road/Jocelyn Way/Lewis Stein intersection lane configurations were modified from a single westbound left-turn lane to dual westbound left-turn lanes under the assumption that this modification would be implemented as future land development occurs in the area (e.g., the large vacant parcels at the southwest corner of the intersection). Note that the existing intersection geometrics could accommodate this modification and that the area that would accommodate the second westbound left-turn lane is unused and closed to traffic with hatched pavement markings.

Table 4 displays the peak hour delay and LOS at the three study intersections under Cumulative No Project and Cumulative Plus Project conditions. Under Cumulative No Project conditions, all three study intersections would operate at LOS D or better during the AM and PM peak hours. Under Cumulative Plus Project conditions, the implementation of the project would increase peak hour delay at each of the three study intersections. Moreover, the project would degrade LOS at the Sheldon Road/Jocelyn Way/Lewis Stein Road intersection from LOS C to LOS D during the AM and PM peak hours.

Note that the results presented in Table 4 indicate that the project would improve LOS at the Sheldon Road/Northbound SR 99 Ramps intersection. This decrease is the result of variation that occurs when averaging the results of multiple microsimulation model runs. Variation in model runs is particularly common when congested conditions are present, as is the case in the roadway network evaluated in this study (particularly due to high demand along both eastbound and westbound Sheldon Road). From this, it can be concluded that the effect of project trips is less noticeable than variations in results between model runs.



Table 4: Peak Hour Intersection Operations – Cumulative Plus Project Conditions

Intersection	Traffic Control	Jurisdiction	Cumulative No Project Conditions				Cumulative Plus Project Conditions			
			AM		PM		AM		PM	
			Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
1. Sheldon Road/ Jocelyn Way/Lewis Stein Road	Signal	City of Elk Grove	29	C	34	C	38	D	36	D
2. Sheldon Road/ Southbound SR 99 Ramps/West Stockton Boulevard	Signal	Caltrans	44	D	45	D	45	D	51	D
3. Sheldon Road/ Northbound SR 99 Ramps	Signal	Caltrans	10	B	22	C	10	A	23	C
Note: Average intersection delay is reported in seconds per vehicle for all approaches. Estimates derived using SimTraffic 10 simulation software. Source: Fehr & Peers, 2022.										

Table 5 displays the AM and PM peak hour maximum vehicle queues for the eastbound and southbound left-turn movements at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection, the SR 99 off-ramps at both of the Sheldon Road interchange ramp terminal intersections, and for critical inbound and outbound movements at the project driveways under Baseline Plus Project conditions. The maximum vehicle queue for the southbound left-turn movement at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection would exceed the available storage during the AM peak hour under Baseline and Baseline Plus Project conditions. Sufficient storage would be available to accommodate maximum vehicle queues for the eastbound left-turn movement at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection, the SR 99 off-ramps at both of the Sheldon Road interchange ramp terminal intersections, and for critical inbound and outbound movements at the project driveways.



Table 5: Peak Hour Maximum Queues – Baseline Plus Project Conditions

Intersection	Approach (Movement)	Storage (ft.)	Maximum Vehicle Queue (ft./vehicles)			
			Baseline Conditions		Baseline Plus Project Conditions	
			AM	PM	AM	PM
Sheldon Road/ Southbound SR 99 Ramps/West Stockton Boulevard	SB (Left) ¹	230 ft.	250 ft./ 10 vehicles	200 ft./ 8 vehicles	275 ft./ 11 vehicles	225 ft./ 9 vehicles
	EB (Left) ¹	310 ft.	125 ft./ 5 vehicles	100 ft./ 4 vehicles	125 ft./ 5 vehicles	100 ft./ 4 vehicles
	NB (All) ¹	1,790 ft. ³	125 ft./ 5 vehicles	200 ft./ 8 vehicles	150 ft./ 6 vehicles	250 ft./ 10 vehicles
Sheldon Road/ Northbound SR 99 Ramps	NB (All) ¹	1,670 ft. ³	150 ft./ 6 vehicles	225 ft./ 9 vehicles	150 ft./ 6 vehicles	200 ft./ 8 vehicles
Sheldon Road Driveway	SB (Right) ²	75 ft.	N/A	N/A	50 ft./ 2 vehicles	75 ft./ 3 vehicles
West Stockton Boulevard Driveway	NB (Left) ²	85 ft.	N/A	N/A	75 ft./ 3 vehicles	75 ft./ 3 vehicles
	EB (Left) ²	75 ft.	N/A	N/A	50 ft./ 2 vehicles	50 ft./ 2 vehicles
	EB (Right) ²	75 ft.	N/A	N/A	75 ft./ 3 vehicles	50 ft./ 2 vehicles

Notes: **Grey** text indicates maximum queue that would exceed the available storage capacity.

¹ Maximum queue lengths estimated using SimTraffic traffic operations analysis software. Queue lengths rounded up to nearest 25-foot increment.

² Maximum queue lengths estimated using methodology described in *Estimation of Maximum Queue Lengths at Unsignalized Intersections* (ITE Journal, November 2001).

³ Measured from the intersection stop bar to the gore point of the freeway off-ramp. Does not include auxiliary lane on freeway mainline.

Source: Fehr & Peers, 2022.



Table 6 displays the AM and PM peak hour maximum vehicle queues for the eastbound and southbound left-turn movements at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection, the SR 99 off-ramps at both of the Sheldon Road interchange ramp terminal intersections, and for critical inbound and outbound movements at the project driveways under Cumulative No Project and Cumulative Plus Project conditions. The maximum vehicle queue for the southbound left-turn movement at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection would exceed the available storage during both the AM and PM peak hours under both Cumulative No Project and Cumulative Plus Project conditions. Sufficient storage would be available to accommodate maximum vehicle queues for the eastbound left-turn movement at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection, the SR 99 off-ramps at both of the Sheldon Road interchange ramp terminal intersections, and for critical inbound and outbound movements at the project driveways.

Table 6: Peak Hour Maximum Queues – Cumulative Plus Project Conditions

Intersection	Approach (Movement)	Storage (ft.)	Maximum Vehicle Queue (ft./vehicles)			
			Cumulative No Project Conditions		Cumulative Plus Project Conditions	
			AM	PM	AM	PM
Sheldon Road/ Southbound SR 99 Ramps/West Stockton Boulevard	SB (Left) ¹	230 ft.	300 ft./ 12 vehicles	275 ft./ 11 vehicles	300 ft./ 12 vehicles	300 ft./ 12 vehicles
	EB (Left) ¹	310 ft.	150 ft./ 6 vehicles	100 ft./ 6 vehicles	150 ft./ 6 vehicles	250 ft./ 10 vehicles
	NB (All) ¹	1,790 ft. ³	125 ft./ 5 vehicles	300 ft./ 12 vehicles	175 ft./ 7 vehicles	375 ft./ 15 vehicles
Sheldon Road/ Northbound SR 99 Ramps	NB (All) ¹	1,670 ft. ³	125 ft./ 5 vehicles	375 ft./ 15 vehicles	100 ft./ 4 vehicles	350 ft./ 14 vehicles
Sheldon Road Driveway	SB (Right) ²	75 ft.	N/A	N/A	75 ft./ 3 vehicles	75 ft./ 3 vehicles
West Stockton Boulevard Driveway	NB (Left) ²	85 ft.	N/A	N/A	75 ft./ 3 vehicles	75 ft./ 3 vehicles
	EB (Left) ²	75 ft.	N/A	N/A	50 ft./ 2 vehicles	50 ft./ 2 vehicles
	EB (Right) ²	75 ft.	N/A	N/A	75 ft./ 3 vehicles	75 ft./ 3 vehicles

Notes: **Grey** text indicates maximum queue that would exceed the available storage capacity.

¹ Maximum queue lengths estimated using SimTraffic traffic operations analysis software. Queue lengths rounded up to nearest 25-foot increment.

² Maximum queue lengths estimated using methodology described in *Estimation of Maximum Queue Lengths at Unsignalized Intersections* (ITE Journal, November 2001).

³ Measured from the intersection stop bar to the gore point of the freeway off-ramp. Does not include auxiliary lane on freeway mainline.

Source: Fehr & Peers, 2022.



As shown in Tables 5 and 6, at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection, southbound left-turn maximum vehicle queues would exceed the available storage and contribute to blockages and queueing in the adjacent southbound through travel lane. Note that this condition would occur occasionally, as southbound left-turn average vehicle queues would be sufficiently accommodated within the available storage. Southbound left-turn maximum vehicle queues would also have implications for corner sight distance for outbound left-turn movements from the West Stockton Boulevard project driveway. Refer to the “West Stockton Boulevard Project Driveway” section later in this technical memorandum for additional information.

Project Site Access and Circulation Evaluation

The following items were considered during this evaluation:

- Pedestrian and bicycle access
- Driveway width, throat depth, corner radii, permitted turning movements, and corner sight distance
- Fuel truck turning movements

Pedestrian and Bicycle Access

Pedestrian access to and from the project site would be accommodated by existing sidewalks and marked crosswalks present within the project site vicinity. Sidewalks are currently present on the Sheldon Road and West Stockton Boulevard project site frontages. The project would reconstruct portions of these sidewalks as part of proposed frontage modifications required to accommodate the right-turn deceleration lane at the Sheldon Road project driveway and the TWLTL at the West Stockton Boulevard project driveway. As such, the project would sustain contiguous pedestrian paths of travel along its Sheldon Road and West Stockton Boulevard frontages.

The project would include a direct pedestrian connection between the on-site convenience store and the sidewalk on the westerly side of West Stockton Boulevard. The project would not include a direct pedestrian connection to the sidewalk on the northerly side of Sheldon Road. Pedestrians who desire to access the site via Sheldon Road would be required to walk in the Sheldon Road project driveway. *It is recommended that a direct pedestrian connection be constructed between the on-site convenience store and the sidewalk on the northerly side of Sheldon Road.*

Pedestrian access to and from the project site would be accommodated by existing bicycle facilities present within the project site vicinity. A Class II bike lane is currently present on westbound Sheldon Road along the project site frontage. The project would modify this frontage to accommodate the right-turn deceleration lane at the Sheldon Road project driveway. The project site plan indicates that the Class II bike



lane would be maintained between the westbound through travel lanes and the right-turn deceleration lane. *It is recommended that high visibility conflict markings be installed along the length of the bike lane between the westbound through travel lanes and the right-turn deceleration lane.*

Sheldon Road Project Driveway

The Sheldon Road project driveway would be a new driveway that would provide right-in/right-out only (RIRO) only access to and from the project site. The driveway would be located approximately 225 feet west of the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection, as measured from the driveway centerline to the intersection near curb return.

The driveway would be 35 feet wide and provide approximately 75 feet of throat depth based on the configuration of the driveway and its placement relative to on-site facilities, internal drive aisles, etc.. The driveway would have one inbound lane and one outbound lane.

The driveway would be served by a new westbound right-turn deceleration lane on Sheldon Road that would be constructed as part of the project. The deceleration lane would be approximately 175 feet long plus a taper length of 50 feet. Note that the installation of a right-turn deceleration lane was a recommendation identified in the February 2021 technical memorandum entitled *Access Feasibility Study for Maverik Gas Station on Sheldon Road in Sacramento, CA*.

As shown in Tables 5 and 6, the Sheldon Road project driveway would provide sufficient throat depth to accommodate anticipated outbound maximum vehicle queues exiting the project site. The proposed westbound right-turn deceleration lane would accommodate inbound vehicles entering the project site from Sheldon Road and help to reduce the potential for conflicts and adverse operational effects at the westbound approach to the Sheldon Road driveway as described in the *Access Feasibility Study for Maverik Gas Station on Sheldon Road in Sacramento, CA* technical memorandum.

The City of Sacramento *Design and Procedures Manual, Section 15 – Street Design Standards* Section 15.9 requires that City streets and non-residential driveways shall be designed in accordance with the sight distance requirements as defined by the *Caltrans Highway Design Manual, Sections 201 and 405*. **Figure 6** illustrates the corner sight distance for vehicles stopped at the stop bar and preparing to exit the Sheldon Road project driveway based on a travel speed of 50 miles per hour. As shown, this line of sight would generally be unobstructed except for the utility pole, light pole, and bus stop pad located immediately east of the driveway. It is unclear from the project site plan if a bus stop shelter or other bus stop amenities would be installed on the pad as part of the project, or if it is proposed to be included for future use only. Note that while a pad is currently present, it is not utilized as an active bus stop. In the event that the pad is intended for use as a bus stop in the future, stopped buses would further obstruct this line of sight for



vehicles exiting the project driveway looking at oncoming westbound traffic. Additionally, stopped buses at this location would block vehicles attempting to enter the project site from Sheldon Road, which would increase the potential for queued vehicles conflicting with westbound through traffic on Sheldon Road.

The following modifications to the Sheldon Road driveway are recommended:

- *Place the proposed utility pole and light pole immediately north of the line of sight shown on Figure 6.*
- *Place the proposed bus stop pad immediately west of the Sheldon Road driveway. It may be desirable to provide a bus turnout west of the driveway to enable buses to stop outside of the flow of westbound vehicle and bicycle traffic on Sheldon Road.*
- *Keep the Sheldon Road landscaping strip clear of vegetation or other objects with a height in excess of six inches within the green areas shown on Figure 6.*
- *Construct the driveway width and corner radii to City standard.*
- *Modify the project striping plan to provide only a right-turn arrow pavement marking in the outbound travel lane at the Sheldon Road project driveway.*

West Stockton Boulevard Project Driveway

The West Stockton Boulevard project driveway would be a new driveway that would provide full access to and from the project site. The driveway would be located approximately 375 feet north of the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection, as measured from the driveway centerline to the intersection near curb return.

The driveway would be 45 feet wide and provide approximately 75 feet of throat depth based on the configuration of the driveway and its placement relative to on-site facilities, internal drive aisles, etc.. The driveway would have one inbound lane, one outbound right-turn lane, and one outbound left-turn lane.

Left-turns in and out of the driveway would be served by a new TWLTL that would be constructed as part of the project. The TWLTL would extend approximately 85 feet south of the driveway and 120 feet north of the driveway (as measured from the driveway centerline). Note that the installation of a TWLTL lane with 100 feet of storage that adheres to applicable City design standards was a recommendation identified in the February 2021 technical memorandum entitled *Access Feasibility Study for Maverik Gas Station on Sheldon Road in Sacramento, CA*.

As shown in Tables 5 and 6, the West Stockton Boulevard project driveway would provide sufficient throat depth to accommodate anticipated outbound maximum vehicle queues exiting the project site. Moreover, the TWLTL would provide sufficient storage to accommodate maximum vehicle queues for northbound left-turns entering the project site.



While the proposed TWLTL would accommodate left-turns in and out of the project site via West Stockton Boulevard, the proposed design poses the following issues:

- The lane transitions on both sides of the TWLTL would not meet standards established in the California *Highway Design Manual*. Based on a 12-foot lane transition and a 50 mile per hour design speed (the observed 85th percentile speed on this segment of West Stockton Boulevard), Figure 405.2A of the *Highway Design Manual* indicates that the lane transition length should be 600 feet. The proposed lane transition lengths identified on the project site plan would be approximately 110 feet for the entry lane transition and 90 feet for the exit lane transition, well below the associated standard identified in the *Highway Design Manual*. These abrupt lane transitions could cause operational and safety issues for southbound through motorists on West Stockton Boulevard.
- Northbound left-turn maximum vehicle queues utilizing the TWLTL to enter the project site would obstruct sight lines for southbound vehicles on West Stockton Boulevard looking at queued vehicles at the southbound approach of the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection based on associated stopping sight distance requirements established in the California *Highway Design Manual*. This condition could increase the potential for conflicts involving southbound vehicles on West Stockton Boulevard and downstream queued vehicles approaching Sheldon Road.

Figure 7 illustrates the corner sight distance for vehicles exiting the West Stockton Boulevard project driveway based on a travel speed of 50 miles per hour. As shown, these lines of sight would generally be unobstructed except for the landscaping strips along the West Stockton Boulevard frontage and the center median on West Stockton Boulevard.

Additionally, the line of sight for vehicles exiting the West Stockton Boulevard driveway looking at oncoming northbound traffic (i.e., to complete an eastbound left-turn onto West Stockton Boulevard), would be obstructed by queued vehicles waiting to complete a southbound left-turn at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection. As shown in Table 5, this maximum vehicle queue would be expected to reach a length of 11 vehicles (275 feet) during the AM peak hour under Baseline Plus Project conditions.

Upon review of the updated project site plan, modifying West Stockton Boulevard to accommodate left-turn ingress at the project driveway in compliance with applicable design standards would require substantial realignment of the roadway, additional right-of-way acquisition, and intersection/signal modifications at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection. *Therefore, it is recommended that the West Stockton Boulevard project driveway be designed to provide right-in/right-out only (RIRO) only access. This should be accomplished by extending the existing raised median on the north leg of the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection north beyond the northerly edge of the proposed West Stockton Boulevard project driveway and by installing "Right*



Turn Only” signage for vehicles exiting the driveway. The median should be designed to discourage U-turn maneuvers from northbound West Stockton Boulevard into the project site and to accommodate maneuvers and swept paths for fuel trucks exiting the project site and traveling southbound on West Stockton Boulevard. Note that this modification would restrict access to RIRO at any potential future driveway located at the southerly edge of the vacant parcel located opposite the project site on the east side of West Stockton Boulevard.

Additionally, it is recommended that West Stockton Boulevard landscaping strips and the West Stockton Boulevard center median are kept clear of vegetation or other objects with a height in excess of six inches within the green areas shown on Figure 7.

Fuel Truck Access

Fuel truck turning analyses are not provided in the project application materials, nor is information regarding the anticipated fuel truck circulation patterns. *Based on the analysis above, it is recommended that fuel trucks enter the project site by turning right into the Sheldon Road project driveway and exit the site by turning right out of the West Stockton Boulevard project driveway. It is recommended that the project driveway widths and corner radii be constructed to City standard to adequately accommodate fuel truck maneuvers and swept paths. It is also recommended that the project applicant prepare fuel truck turning analyses to illustrate anticipated fuel truck ingress and egress maneuvers.*

Vehicle Miles Traveled (VMT)

Background

Senate Bill 743

Senate Bill (SB) 743 creates or encourages several statewide changes to the evaluation of transportation and traffic impacts under CEQA. First, it directs the Governor’s Office of Planning and Research (OPR) to amend the State CEQA Guidelines to establish new metrics for determining the significance of transportation impacts of projects within transit priority areas (TPAs) and allows OPR to extend use of the new metrics beyond TPAs. In the amended State CEQA Guidelines, OPR selected VMT as the preferred transportation impact metric and applied its discretion to recommend the use of VMT statewide. The California Natural Resources Agency certified and adopted the amended State CEQA Guidelines in December 2018. The amended State CEQA Guidelines state that “generally, VMT is the most appropriate measure of transportation impacts” and required the use of VMT statewide as of July 1, 2020. The amended State CEQA Guidelines further state that land use “projects within 0.5 mile of either an existing major transit stop or a stop along an existing high quality transit corridor should be presumed to cause a less-than-significant transportation impact.”



Second, SB 743 establishes that aesthetic and parking impacts of a residential, mixed-use residential, or employment center projects on an infill site within a TPA shall not be considered significant impacts on the environment.

Third, SB 743 added Section 21099 to the Public Resources Code, which states that automobile delay, as described by level of service (LOS) or similar measures of vehicular capacity or traffic congestion, shall not be considered a significant impact on the environment upon certification of the State CEQA Guidelines by the California Natural Resources Agency. Since the amended State CEQA Guidelines were certified in December 2018, changes in LOS or similar measures of vehicular capacity or traffic congestion are not considered a significant impact on the environment.

Lastly, SB 743 establishes a new CEQA exemption for a residential, mixed-use, and employment center project (a) within a TPA, (b) consistent with a specific plan for which an EIR has been certified, and (c) consistent with an SCS. This exemption requires further review if the project or circumstances changes significantly.

Technical Advisory on Evaluating Transportation Impacts in CEQA

To aid in SB 743 implementation, OPR released a Technical Advisory on Evaluating Transportation Impacts in CEQA (Technical Advisory) in December 2018. The Technical Advisory provides advice and recommendations to CEQA lead agencies on how to implement SB 743 changes. This includes technical recommendations regarding the assessment of VMT, thresholds of significance, VMT mitigation measures, and screening thresholds for certain land use projects. Lead agencies may consider and use these recommendations at their discretion.

The Technical Advisory identifies screening thresholds to quickly identify when a project should be expected to cause a less-than-significant impact without conducting a detailed study. The Technical Advisory suggests that projects meeting one or more of the following criteria should be expected to have a less-than-significant impact on VMT.

- Small projects—projects consistent with a SCS and local general plan that generate or attract fewer than 110 trips per day.
- Projects near major transit stops—certain projects (residential, retail, office, or a mix of these uses) proposed within 0.5 mile of an existing major transit stop or an existing stop along a high-quality transit corridor.
- Affordable residential development—a project consisting of a high percentage of affordable housing may be a basis to find a less-than-significant impact on VMT.
- Local-serving retail—local-serving retail development tends to shorten trips and reduce VMT. The Technical Advisory encourages lead agencies to decide when a project will likely be local-serving,



but generally acknowledges that retail development including stores larger than 50,000 square feet might be considered regional-serving. The Technical Advisory suggests lead agencies analyze whether regional-serving retail would increase or decrease VMT (i.e., not presume a less-than-significant impact).

- Projects in low-VMT areas—residential and office projects that incorporate similar features (i.e., density, mix of uses, transit accessibility) as existing development in areas with low VMT will tend to exhibit similarly low VMT.
- The Technical Advisory also identifies recommended numeric VMT thresholds for residential, office, and retail projects, as described below.
- Residential development that would generate vehicle travel exceeding 15 percent below existing residential VMT per capita may indicate a significant transportation impact. Existing VMT per capita may be measured as a regional VMT per capita or as city VMT per capita.
- Office projects that would generate vehicle travel exceeding 15 percent below existing regional VMT per employee may indicate a significant transportation impact.
- Retail projects that result in a net increase in total VMT may indicate a significant transportation impact.

The Technical Advisory also provides guidance on impacts to transit. Specifically, the Technical Advisory suggests that lead agencies generally should not treat the addition of new transit users as an adverse impact. As an example, the Technical Advisory suggests the following.

[An] infill development may add riders to transit systems and the additional boarding and alighting may slow transit vehicles, but it also adds destinations, improving proximity and accessibility. Such development also improves regional vehicle flow by adding less vehicle travel onto the regional network. (Governor's Office of Planning and Research, 2018).

VMT Screening Assessment

The project would be an infill project that would entail the development of a currently vacant site with a gas station with 16 fueling positions and a 5,637 square foot convenience store. The project would be retail in nature.

In accordance with the OPR Technical Advisory, the project would satisfy the local-serving retail VMT screening criteria by virtue of the nature and size of the project (retail development less than 50,000 square feet in size). Therefore, the project is assumed to have a less than significant impact on VMT since it satisfies one or more of the VMT screening criteria identified in the OPR Technical Advisory. No quantitative VMT analysis or associated mitigation measures are required.



Summary & Conclusions

In summary, this evaluation revealed the following conclusions and recommended modifications to the project site plan and surrounding roadway network:

- Peak Hour Intersection Operations
 - The project would cause minor increases to peak hour delay and queuing at the three nearby study intersections. With the implementation of the project, all three study intersections would operate acceptably based on applicable intersection peak hour delay performance targets.
 - The southbound left-turn maximum vehicle queue would exceed available storage at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection.
- Pedestrian and Bicycle Access
 - Pedestrian and bicycle access to and from the project site would be accommodated by existing pedestrian and bicycle facilities within the project site vicinity.
 - The following modifications are recommended to improve pedestrian and bicycle access and circulation within the project site vicinity:
 - Construct a direct pedestrian connection between the on-site convenience store and the sidewalk on the northerly side of Sheldon Road.
 - At the Sheldon Road driveway, install high visibility conflict markings along the length of the bike lane between the westbound through travel lanes and the right-turn deceleration lane.
- Sheldon Road Project Driveway
 - The proposed westbound right-turn deceleration lane would adequately accommodate inbound vehicles entering the project site from Sheldon Road.
 - The Sheldon Road project driveway would provide sufficient throat depth to accommodate anticipated outbound maximum vehicle queues exiting the project site.
 - The following modifications are recommended to provide adequate corner sight distance for vehicles exiting the Sheldon Road project driveway:
 - At the Sheldon Road driveway, place the proposed utility pole and light pole immediately north of the line of sight shown on Figure 6.
 - At the Sheldon Road driveway, place the proposed bus stop pad immediately west of the Sheldon Road driveway. Consider the need for a bus turnout west of the driveway to enable buses to stop outside of the flow of westbound vehicle and bicycle traffic on Sheldon Road.
 - Keep the Sheldon Road landscaping strips clear of vegetation or other objects with a height in excess of six inches within the green areas shown on Figure 6.
 - The project striping plan should be modified to provide only a right-turn arrow pavement marking in the outbound travel lane at the Sheldon Road project driveway.



- West Stockton Boulevard Project Driveway
 - The West Stockton Boulevard project driveway would provide sufficient throat depth to accommodate anticipated outbound maximum vehicle queues exiting the project site.
 - The proposed TWLTL serving the project driveway would not meet applicable design standards. Moreover, downstream queueing at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection would obstruct corner sight distance for vehicles exiting and turning left out of the project driveway. The following modifications are recommended to address these issues:
 - Design the West Stockton Boulevard project driveway to provide right-in/right-out only (RIRO) only access. This should be accomplished by extending the existing raised median on the north leg of the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection north beyond the northerly edge of the proposed West Stockton Boulevard project driveway and by installing “Right Turn Only” signage for vehicles exiting the driveway. The median should be designed to discourage U-turn maneuvers from northbound West Stockton Boulevard into the project site and to accommodate maneuvers and swept paths for fuel trucks exiting the project site and traveling southbound on West Stockton Boulevard.
 - Keep the West Stockton Boulevard landscaping strips and center median clear of vegetation or other objects with a height in excess of six inches within the green areas shown on Figure 7.
- Fuel Truck Access
 - Fuel trucks should enter the project site by turning right into the Sheldon Road project driveway and exit the site by turning right out of the West Stockton Boulevard project driveway.
 - The Sheldon Road and West Stockton Boulevard project driveways should be constructed to City standard and to better accommodate fuel truck movements and swept paths.
 - The project applicant should prepare fuel truck turning analyses to illustrate anticipated fuel truck ingress and egress maneuvers
- Vehicle Miles Traveled (VMT)
 - The project would satisfy the local-serving retail VMT screening criteria by virtue of the nature and size of the project (retail development less than 50,000 square feet in size) and is assumed to have a less than significant impact on VMT in accordance with the OPR Technical Advisory.

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Figures



-  Project Site
-  Number of Travel Lanes (Excluding Turn Lanes at Intersections)
-  Traffic Signal
-  Posted Speed Limit



Figure 1
Existing Roadway Network



- Project Site
- Class II Bike Lanes (Existing)
- - Class II Buffered Bike Lanes (Planned)



Figure 2
Existing and Planned Bicycle Facilities



-  Project Site
-  Marked Crosswalk
-  Traffic Signal



Figure 3
Existing Pedestrian Facilities



- Project Site
- Bus Route
- Bus Stop



Figure 4
Existing Transit Services and Facilities

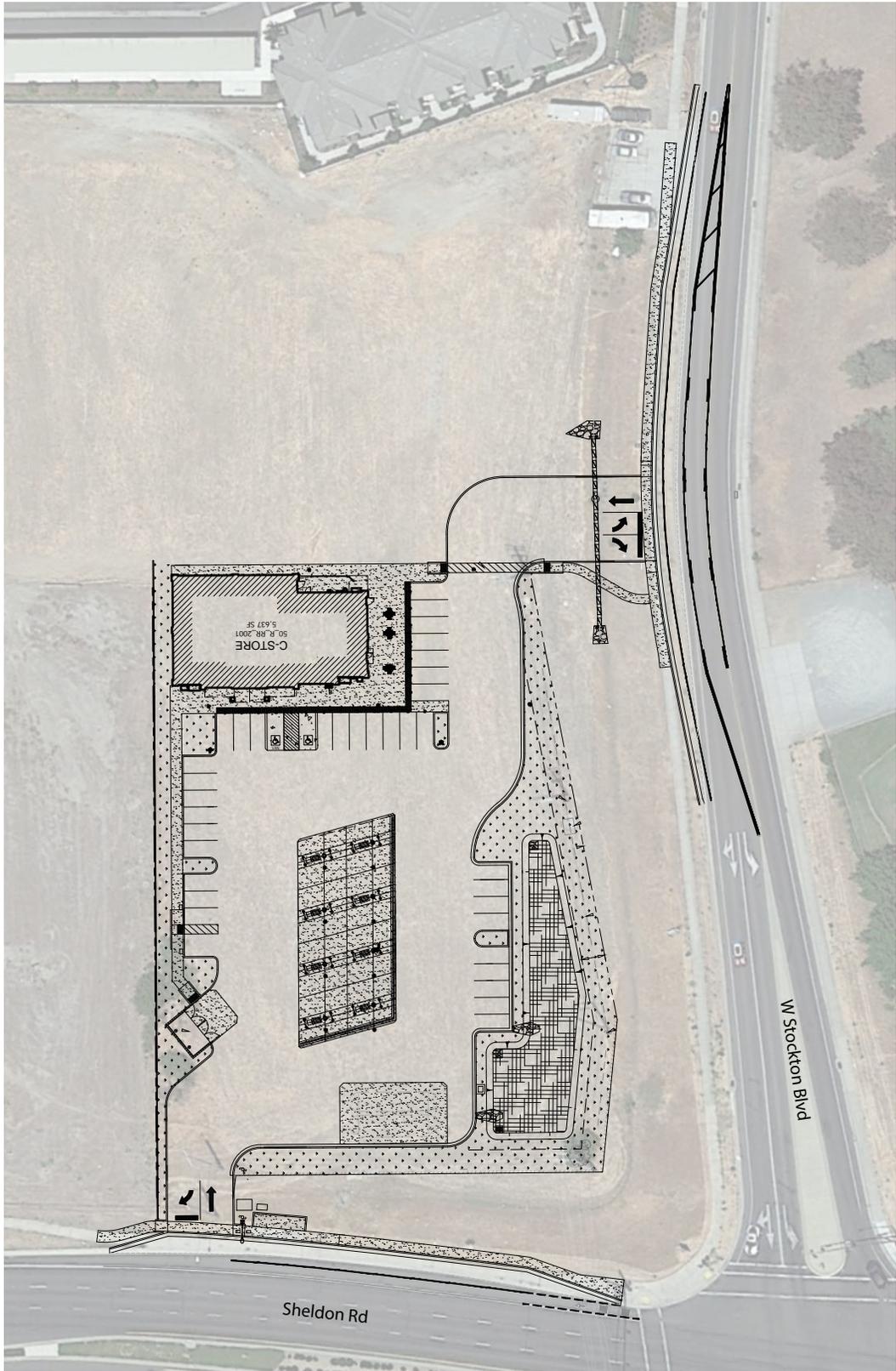
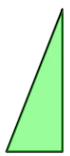


Figure 5
Project Site Plan





LEGEND:



CORNER SIGHT DISTANCE TRIANGLE - DESIGN OF VERTICAL ELEMENTS IN THIS AREA TO BE CONSISTENT WITH HIGHWAY DESIGN MANUAL TOPIC 405.1 (2)

DESIGN SPEED:

SHELDON ROAD - 45 MPH
(BASED ON POSTED SPEED LIMIT PLUS 5 MPH)

CORNER SIGHT DISTANCE:

CORNER SIGHT DISTANCE = 430' CALCULATED PER HIGHWAY DESIGN MANUAL TOPIC 405.1(2)

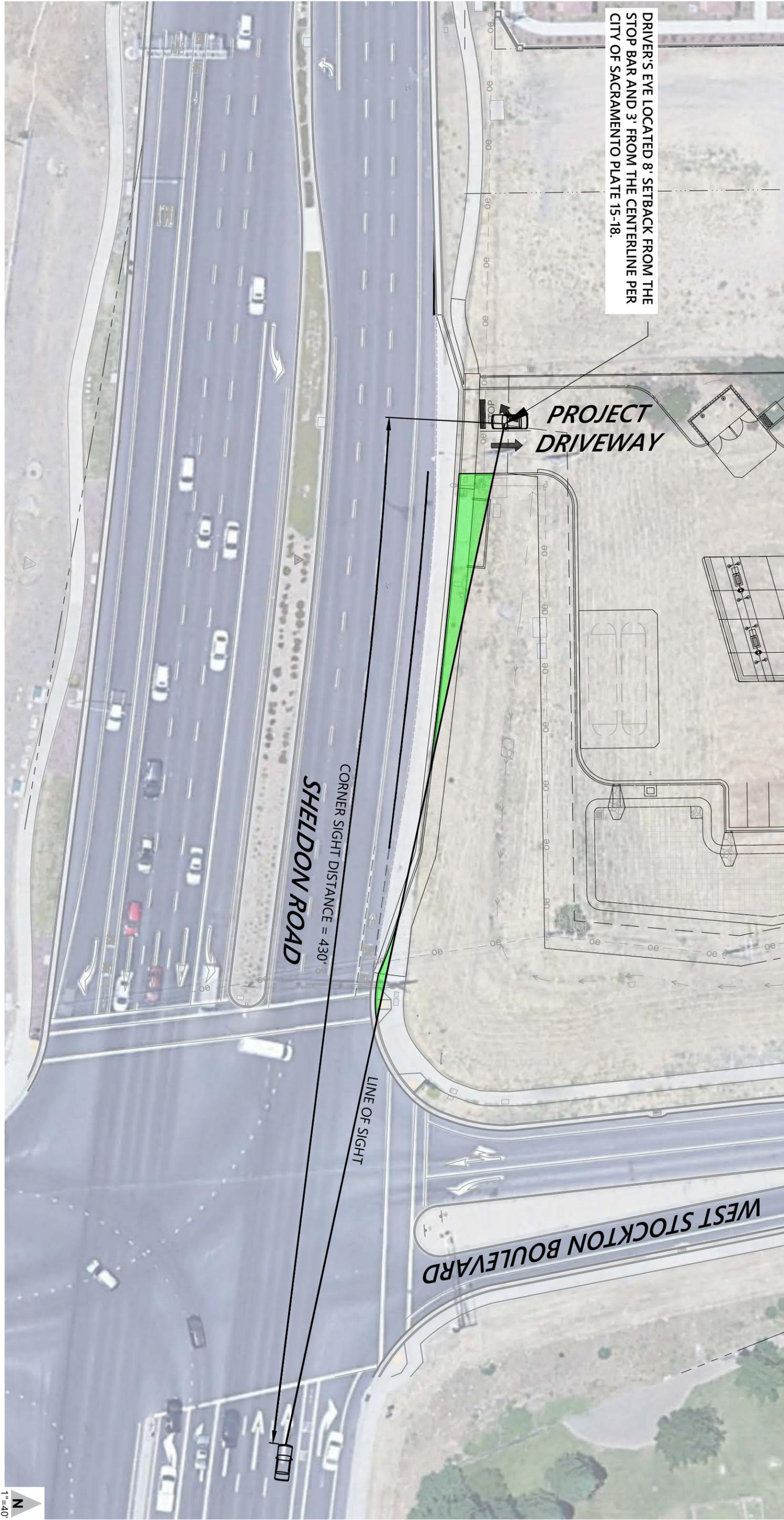
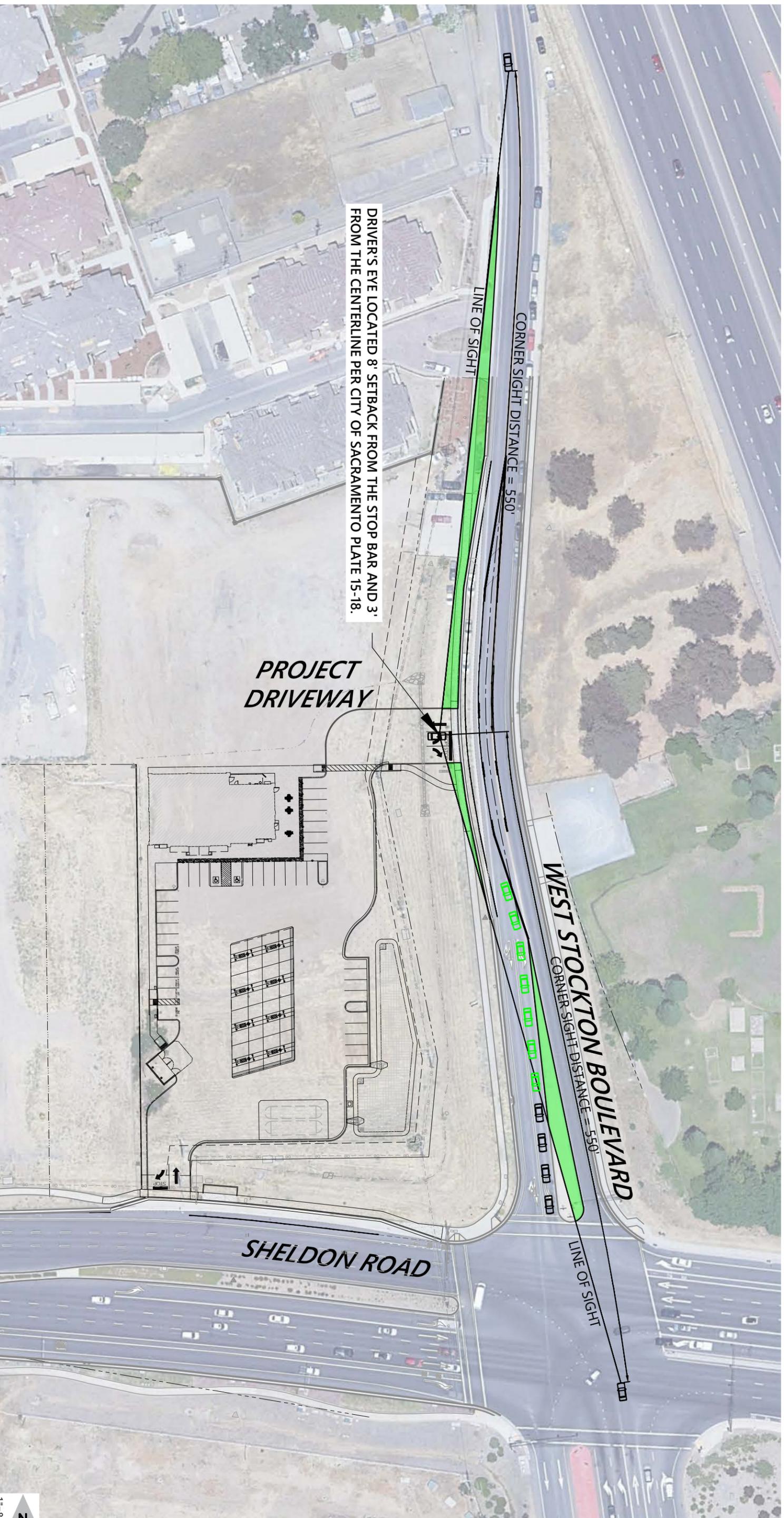
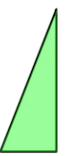


Figure 6
Corner Sight Distance Analysis
Project Driveway at Sheldon Road



LEGEND:



CORNER SIGHT DISTANCE TRIANGLE - DESIGN OF VERTICAL ELEMENTS IN THIS AREA TO BE CONSISTENT WITH HIGHWAY DESIGN MANUAL TOPIC 405.1 (2)

DESIGN SPEED:

WEST STOCKTON BOULEVARD - 50 MPH
(BASED ON SPEED SURVEY PERFORMED BY THE CITY ON 1/20/2021)

CORNER SIGHT DISTANCE:

CORNER SIGHT DISTANCE = 550' CALCULATED PER HIGHWAY DESIGN MANUAL TOPIC 405.1(2)



Figure 7

Corner Sight Distance Analysis
Project Driveway at West Stockton Boulevard

Technical Appendix

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Existing Conditions
AM Peak Hour

Intersection 1 Jocelyn Way-Lewis Stein Rd/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	114	125	109.5%	33.9	5.1	C
	Through	33	38	113.9%	33.0	7.8	C
	Right Turn	502	490	97.5%	31.4	8.6	C
	Subtotal	649	652	100.5%	32.0	7.2	C
SB	Left Turn	159	190	119.5%	40.6	5.6	D
	Through	40	42	106.0%	40.6	8.4	D
	Right Turn	16	13	80.0%	8.8	3.2	A
	Subtotal	215	245	114.0%	38.8	4.5	D
EB	Left Turn	8	9	110.0%	63.1	34.6	E
	Through	870	835	96.0%	26.3	2.6	C
	Right Turn	53	56	106.4%	13.2	2.0	B
	Subtotal	931	900	96.7%	26.0	2.7	C
WB	Left Turn	250	232	92.6%	62.0	17.0	E
	Through	708	707	99.9%	17.1	3.7	B
	Right Turn	60	69	115.3%	4.9	1.2	A
	Subtotal	1,018	1,008	99.0%	26.8	4.2	C
Total		2,813	2,806	99.7%	28.9	3.5	C

Intersection 2 W Stockton Blvd-SR 99 SB Ramps/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	206	207	100.4%	38.5	3.6	D
	Through	8	8	105.0%	30.2	26.7	C
	Right Turn	137	141	103.1%	17.8	3.6	B
	Subtotal	351	356	101.5%	30.2	2.9	C
SB	Left Turn	217	223	102.7%	46.0	8.4	D
	Through	81	78	96.8%	46.8	6.9	D
	Right Turn	20	21	106.0%	28.8	14.1	C
	Subtotal	318	322	101.4%	45.1	7.1	D
EB	Left Turn	75	83	110.4%	41.2	4.9	D
	Through	1,435	1,400	97.6%	32.8	3.0	C
	Right Turn	203	220	108.4%	7.8	1.5	A
	Subtotal	1,713	1,703	99.4%	30.0	2.7	C
WB	Left Turn	405	401	99.0%	34.5	3.2	C
	Through	918	922	100.5%	27.1	5.3	C
	Right Turn	371	372	100.2%	9.9	2.0	A
	Subtotal	1,694	1,695	100.0%	25.2	2.8	C
Total		4,076	4,076	100.0%	29.3	2.0	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Existing Conditions
AM Peak Hour

Intersection 3

SR 99 NB Ramps/Sheldon Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	127	126	98.9%	25.7	4.3	C
	Through						
	Right Turn	183	185	101.0%	13.0	2.9	B
	Subtotal	310	310	100.1%	18.1	2.1	B
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,319	1,311	99.4%	6.9	0.9	A
	Right Turn	470	475	101.1%	5.6	0.3	A
	Subtotal	1,789	1,786	99.9%	6.6	0.7	A
WB	Left Turn						
	Through	2,142	2,209	103.1%	8.0	1.6	A
	Right Turn						
	Subtotal	2,142	2,209	103.1%	8.0	1.6	A
Total		4,241	4,306	101.5%	8.1	1.1	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Existing Conditions
PM Peak Hour

Intersection 1 Jocelyn Way-Lewis Stein Rd/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	325	326	100.2%	43.5	3.6	D
	Through	84	87	103.3%	37.0	7.2	D
	Right Turn	403	384	95.4%	14.9	1.9	B
	Subtotal	812	797	98.1%	29.0	2.2	C
SB	Left Turn	67	56	83.0%	49.6	9.6	D
	Through	46	46	99.1%	45.4	9.1	D
	Right Turn	20	20	100.0%	10.4	3.5	B
	Subtotal	133	121	91.1%	41.4	5.5	D
EB	Left Turn	16	16	97.5%	55.5	30.6	E
	Through	728	706	96.9%	27.7	3.7	C
	Right Turn	139	140	100.7%	15.3	2.3	B
	Subtotal	883	861	97.5%	26.3	3.5	C
WB	Left Turn	410	405	98.7%	45.9	11.1	D
	Through	1,075	1,108	103.1%	23.5	3.6	C
	Right Turn	85	84	99.3%	6.1	1.3	A
	Subtotal	1,570	1,598	101.8%	28.4	4.4	C
Total		3,398	3,377	99.4%	28.5	2.2	C

Intersection 2 W Stockton Blvd-SR 99 SB Ramps/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	367	380	103.5%	42.4	3.6	D
	Through	44	49	110.9%	35.7	12.5	D
	Right Turn	460	453	98.5%	18.7	2.2	B
	Subtotal	871	882	101.3%	30.0	2.4	C
SB	Left Turn	150	155	103.5%	47.0	4.0	D
	Through	136	155	114.1%	49.1	7.3	D
	Right Turn	46	55	119.1%	34.7	6.5	C
	Subtotal	332	365	110.0%	46.2	3.6	D
EB	Left Turn	38	44	116.8%	65.0	12.0	E
	Through	1,172	1,047	89.3%	27.5	1.8	C
	Right Turn	191	193	100.9%	7.2	1.0	A
	Subtotal	1,401	1,284	91.6%	25.8	1.7	C
WB	Left Turn	409	443	108.4%	61.7	7.7	E
	Through	1,453	1,354	93.2%	19.4	3.0	B
	Right Turn	242	240	99.2%	6.1	1.1	A
	Subtotal	2,104	2,037	96.8%	27.1	3.4	C
Total		4,708	4,568	97.0%	28.8	1.8	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Existing Conditions
PM Peak Hour

Intersection 3

SR 99 NB Ramps/Sheldon Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	291	294	101.2%	27.8	5.7	C
	Through						
	Right Turn	323	332	102.7%	16.3	2.0	B
	Subtotal	614	626	102.0%	21.7	3.5	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,406	1,356	96.5%	11.6	1.5	B
	Right Turn	376	378	100.5%	4.9	0.4	A
	Subtotal	1,782	1,734	97.3%	10.1	1.2	B
WB	Left Turn						
	Through	2,100	2,138	101.8%	11.5	1.9	B
	Right Turn						
	Subtotal	2,100	2,138	101.8%	11.5	1.9	B
Total		4,496	4,498	100.0%	12.4	1.1	B

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Existing Plus Project
AM Peak Hour

Intersection 1 Jocelyn Way-Lewis Stein Rd/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	114	117	102.8%	34.7	6.5	C
	Through	33	30	92.1%	54.8	15.6	D
	Right Turn	505	517	102.4%	48.6	18.6	D
	Subtotal	652	665	102.0%	46.6	14.6	D
SB	Left Turn	160	177	110.8%	40.2	4.8	D
	Through	40	42	106.0%	42.4	10.2	D
	Right Turn	16	11	67.5%	5.6	2.0	A
	Subtotal	216	230	106.7%	38.8	4.0	D
EB	Left Turn	8	7	85.0%	72.2	23.9	E
	Through	876	878	100.2%	26.9	1.4	C
	Right Turn	53	55	104.2%	12.4	1.7	B
	Subtotal	937	940	100.3%	26.4	1.4	C
WB	Left Turn	251	241	95.9%	75.9	20.1	E
	Through	713	711	99.7%	14.4	2.9	B
	Right Turn	60	56	93.3%	4.1	1.0	A
	Subtotal	1,024	1,008	98.4%	28.7	6.6	C
Total		2,829	2,843	100.5%	33.0	4.6	C

Intersection 2 W Stockton Blvd-SR 99 SB Ramps/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	210	214	101.7%	39.5	3.9	D
	Through	10	8	76.0%	38.7	32.6	D
	Right Turn	137	139	101.6%	18.3	3.8	B
	Subtotal	357	360	101.0%	31.4	2.8	C
SB	Left Turn	265	271	102.2%	61.8	14.9	E
	Through	87	92	105.7%	43.5	8.4	D
	Right Turn	23	26	113.0%	23.2	9.9	C
	Subtotal	375	389	103.7%	55.2	12.0	E
EB	Left Turn	86	81	94.0%	41.0	6.3	D
	Through	1,438	1,466	102.0%	34.6	1.6	C
	Right Turn	204	206	101.0%	7.2	1.4	A
	Subtotal	1,728	1,753	101.5%	31.7	1.5	C
WB	Left Turn	405	416	102.8%	39.1	7.6	D
	Through	965	962	99.6%	26.3	4.4	C
	Right Turn	339	342	101.0%	8.1	1.6	A
	Subtotal	1,709	1,720	100.7%	25.8	2.5	C
Total		4,169	4,223	101.3%	31.5	1.7	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Existing Plus Project
AM Peak Hour

Intersection 3

SR 99 NB Ramps/Sheldon Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	134	125	93.1%	25.4	4.1	C
	Through						
	Right Turn	183	179	97.7%	14.0	2.6	B
	Subtotal	317	304	95.8%	18.6	3.1	B
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,344	1,402	104.3%	7.2	0.8	A
	Right Turn	496	506	102.0%	5.7	0.3	A
	Subtotal	1,840	1,908	103.7%	6.8	0.6	A
WB	Left Turn						
	Through	2,150	2,211	102.8%	7.7	1.3	A
	Right Turn						
	Subtotal	2,150	2,211	102.8%	7.7	1.3	A
Total		4,307	4,423	102.7%	8.0	0.8	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Existing Plus Project
PM Peak Hour

Intersection 1 Jocelyn Way-Lewis Stein Rd/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	325	302	92.8%	43.5	5.8	D
	Through	84	81	96.2%	38.1	6.3	D
	Right Turn	405	395	97.6%	15.6	4.6	B
	Subtotal	814	778	95.5%	29.1	4.3	C
SB	Left Turn	67	59	88.4%	48.6	3.7	D
	Through	46	40	87.8%	54.5	15.4	D
	Right Turn	20	24	122.0%	8.7	3.6	A
	Subtotal	133	124	93.2%	43.0	6.4	D
EB	Left Turn	16	18	110.0%	67.2	13.4	E
	Through	732	693	94.7%	29.9	3.7	C
	Right Turn	139	131	94.1%	17.3	3.4	B
	Subtotal	887	842	94.9%	28.7	3.6	C
WB	Left Turn	412	436	105.8%	66.7	38.4	E
	Through	1,082	1,103	102.0%	24.5	4.2	C
	Right Turn	86	91	106.0%	6.2	1.8	A
	Subtotal	1,580	1,630	103.2%	35.0	12.7	D
Total		3,414	3,374	98.8%	32.4	6.5	C

Intersection 2 W Stockton Blvd-SR 99 SB Ramps/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	375	396	105.7%	45.1	4.1	D
	Through	45	52	114.7%	37.7	7.4	D
	Right Turn	460	484	105.1%	21.2	2.4	C
	Subtotal	880	932	105.9%	32.3	2.3	C
SB	Left Turn	177	184	104.2%	50.1	9.5	D
	Through	146	158	108.2%	49.1	6.3	D
	Right Turn	52	53	102.3%	34.4	11.3	C
	Subtotal	375	396	105.5%	47.6	6.8	D
EB	Left Turn	52	49	94.6%	54.7	8.1	D
	Through	1,174	1,084	92.3%	25.3	2.1	C
	Right Turn	192	188	98.1%	5.0	1.4	A
	Subtotal	1,418	1,322	93.2%	23.5	1.9	C
WB	Left Turn	409	410	100.2%	59.4	5.5	E
	Through	1,484	1,410	95.0%	19.3	2.6	B
	Right Turn	222	217	97.7%	6.8	1.7	A
	Subtotal	2,115	2,037	96.3%	26.1	1.7	C
Total		4,788	4,686	97.9%	28.4	1.4	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Existing Plus Project
PM Peak Hour

Intersection 3

SR 99 NB Ramps/Sheldon Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	295	270	91.4%	27.2	5.4	C
	Through						
	Right Turn	323	320	98.9%	16.1	2.3	B
	Subtotal	618	589	95.3%	21.2	3.0	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,420	1,442	101.5%	12.7	1.6	B
	Right Turn	391	399	102.1%	4.9	0.4	A
	Subtotal	1,811	1,841	101.7%	11.0	1.3	B
WB	Left Turn						
	Through	2,107	2,156	102.3%	11.8	2.0	B
	Right Turn						
	Subtotal	2,107	2,156	102.3%	11.8	2.0	B
Total		4,536	4,586	101.1%	12.7	1.3	B

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Cumulative No Project
AM Peak Hour

Intersection 1 Jocelyn Way-Lewis Stein Rd/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	125	158	126.4%	35.0	5.5	D
	Through	40	37	93.0%	36.0	6.9	D
	Right Turn	510	495	97.1%	30.8	7.8	C
	Subtotal	675	690	102.3%	32.0	6.3	C
SB	Left Turn	160	164	102.3%	43.8	4.7	D
	Through	50	55	110.4%	40.2	8.6	D
	Right Turn	20	24	122.0%	6.5	3.1	A
	Subtotal	230	243	105.7%	38.9	2.9	D
EB	Left Turn	15	11	72.0%	68.0	20.4	E
	Through	1,090	1,054	96.7%	30.8	5.7	C
	Right Turn	80	80	99.5%	14.7	2.5	B
	Subtotal	1,185	1,144	96.6%	30.0	5.4	C
WB	Left Turn	305	270	88.4%	48.5	8.2	D
	Through	710	731	103.0%	16.5	4.7	B
	Right Turn	60	61	102.0%	5.0	1.5	A
	Subtotal	1,075	1,062	98.8%	24.1	4.5	C
Total		3,165	3,140	99.2%	29.3	2.8	C

Intersection 2 W Stockton Blvd-SR 99 SB Ramps/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	210	214	102.1%	39.7	4.9	D
	Through	30	29	97.3%	40.7	12.0	D
	Right Turn	210	218	104.0%	19.8	1.5	B
	Subtotal	450	462	102.7%	30.5	2.9	C
SB	Left Turn	270	266	98.5%	62.9	17.7	E
	Through	110	110	100.0%	48.0	9.1	D
	Right Turn	30	26	85.3%	35.3	11.4	D
	Subtotal	410	402	98.0%	56.8	13.4	E
EB	Left Turn	100	105	104.8%	48.6	12.0	D
	Through	1,590	1,536	96.6%	45.6	5.7	D
	Right Turn	210	206	97.9%	11.4	2.6	B
	Subtotal	1,900	1,847	97.2%	42.1	5.6	D
WB	Left Turn	550	500	90.9%	102.4	42.1	F
	Through	930	930	100.0%	29.6	2.6	C
	Right Turn	380	377	99.3%	10.8	1.7	B
	Subtotal	1,860	1,807	97.1%	46.2	13.2	D
Total		4,620	4,517	97.8%	43.8	5.2	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Cumulative No Project
AM Peak Hour

Intersection 3

SR 99 NB Ramps/Sheldon Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	130	122	94.2%	28.3	6.8	C
	Through						
	Right Turn	190	178	93.7%	15.7	2.7	B
	Subtotal	320	300	93.9%	20.9	3.9	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,520	1,510	99.3%	10.0	3.3	B
	Right Turn	550	540	98.1%	6.6	0.5	A
	Subtotal	2,070	2,050	99.0%	9.2	2.6	A
WB	Left Turn						
	Through	2,500	2,511	100.4%	9.8	2.6	A
	Right Turn						
	Subtotal	2,500	2,511	100.4%	9.8	2.6	A
Total		4,890	4,861	99.4%	10.2	2.2	B

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Cumulative No Project
PM Peak Hour

Intersection 1 Jocelyn Way-Lewis Stein Rd/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	360	385	107.0%	48.3	7.8	D
	Through	100	107	107.2%	35.4	7.0	D
	Right Turn	500	504	100.7%	25.1	4.6	C
	Subtotal	960	996	103.8%	35.2	4.5	D
SB	Left Turn	70	71	101.7%	48.1	8.1	D
	Through	60	62	104.0%	41.7	10.2	D
	Right Turn	30	32	105.3%	12.9	3.9	B
	Subtotal	160	165	103.3%	38.5	6.8	D
EB	Left Turn	25	30	120.0%	62.9	17.5	E
	Through	970	986	101.7%	33.3	9.2	C
	Right Turn	180	177	98.4%	19.6	4.3	B
	Subtotal	1,175	1,194	101.6%	32.1	7.8	C
WB	Left Turn	460	457	99.4%	57.6	2.7	E
	Through	1,500	1,430	95.3%	27.1	2.8	C
	Right Turn	90	92	102.2%	7.0	1.2	A
	Subtotal	2,050	1,979	96.5%	33.3	2.2	C
Total		4,345	4,334	99.7%	33.5	2.4	C

Intersection 2 W Stockton Blvd-SR 99 SB Ramps/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	390	425	108.9%	56.1	14.7	E
	Through	70	81	116.0%	40.8	10.2	D
	Right Turn	810	811	100.1%	34.2	6.9	C
	Subtotal	1,270	1,317	103.7%	42.0	5.8	D
SB	Left Turn	220	227	103.1%	77.7	21.9	E
	Through	150	152	101.3%	68.5	24.5	E
	Right Turn	70	77	110.3%	51.8	23.6	D
	Subtotal	440	456	103.6%	70.6	21.2	E
EB	Left Turn	70	61	87.4%	59.9	11.7	E
	Through	1,490	1,396	93.7%	43.0	5.7	D
	Right Turn	200	194	97.0%	10.1	1.6	B
	Subtotal	1,760	1,652	93.8%	39.9	5.6	D
WB	Left Turn	570	567	99.5%	71.0	9.7	E
	Through	1,880	1,744	92.8%	40.8	7.1	D
	Right Turn	330	328	99.3%	17.9	4.0	B
	Subtotal	2,780	2,639	94.9%	44.5	5.6	D
Total		6,250	6,064	97.0%	44.8	2.9	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Cumulative No Project
PM Peak Hour

Intersection 3

SR 99 NB Ramps/Sheldon Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	420	418	99.6%	43.4	8.8	D
	Through						
	Right Turn	430	440	102.4%	39.4	5.9	D
	Subtotal	850	859	101.0%	41.3	6.7	D
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	2,120	2,085	98.4%	14.7	1.9	B
	Right Turn	400	410	102.5%	6.8	0.9	A
	Subtotal	2,520	2,495	99.0%	13.4	1.7	B
WB	Left Turn						
	Through	2,790	2,682	96.1%	23.5	4.2	C
	Right Turn						
	Subtotal	2,790	2,682	96.1%	23.5	4.2	C
Total		6,160	6,036	98.0%	21.8	2.0	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Cumulative Plus Project
AM Peak Hour

Intersection 1 Jocelyn Way-Lewis Stein Rd/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	125	116	93.1%	41.0	7.2	D
	Through	40	49	123.0%	48.4	22.3	D
	Right Turn	513	542	105.7%	43.8	25.2	D
	Subtotal	678	708	104.4%	44.0	21.0	D
SB	Left Turn	161	154	95.9%	55.6	5.4	E
	Through	50	50	100.0%	40.7	14.5	D
	Right Turn	20	16	82.0%	5.4	2.5	A
	Subtotal	231	221	95.6%	48.5	4.3	D
EB	Left Turn	15	16	106.7%	81.1	12.7	F
	Through	1,096	1,017	92.8%	40.0	11.7	D
	Right Turn	80	82	103.0%	20.0	4.0	B
	Subtotal	1,191	1,115	93.6%	39.2	11.4	D
WB	Left Turn	306	330	107.8%	57.1	8.3	E
	Through	715	708	99.1%	19.3	1.9	B
	Right Turn	60	54	90.0%	4.3	0.7	A
	Subtotal	1,081	1,092	101.1%	30.0	2.8	C
Total		3,181	3,136	98.6%	38.1	7.7	D

Intersection 2 W Stockton Blvd-SR 99 SB Ramps/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	214	206	96.4%	46.9	8.2	D
	Through	32	29	90.0%	49.0	13.3	D
	Right Turn	210	202	96.0%	18.2	2.9	B
	Subtotal	456	437	95.8%	33.5	3.5	C
SB	Left Turn	318	319	100.4%	54.4	9.8	D
	Through	116	120	103.8%	39.9	8.6	D
	Right Turn	33	34	101.8%	27.8	11.5	C
	Subtotal	467	473	101.3%	48.6	6.9	D
EB	Left Turn	111	107	96.6%	49.5	6.9	D
	Through	1,593	1,439	90.3%	56.5	5.9	E
	Right Turn	211	213	100.9%	11.2	1.6	B
	Subtotal	1,915	1,759	91.8%	50.6	4.8	D
WB	Left Turn	550	568	103.2%	72.1	22.7	E
	Through	977	972	99.5%	33.8	3.8	C
	Right Turn	348	336	96.7%	11.6	1.7	B
	Subtotal	1,875	1,876	100.1%	41.5	6.0	D
Total		4,713	4,545	96.4%	45.1	3.2	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Cumulative Plus Project
AM Peak Hour

Intersection 3

SR 99 NB Ramps/Sheldon Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	137	140	101.9%	30.6	4.2	C
	Through						
	Right Turn	190	203	106.7%	14.6	2.9	B
	Subtotal	327	342	104.7%	21.1	1.9	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,545	1,449	93.8%	8.8	1.7	A
	Right Turn	576	553	96.0%	6.6	0.4	A
	Subtotal	2,121	2,002	94.4%	8.2	1.3	A
WB	Left Turn						
	Through	2,508	2,404	95.8%	9.8	2.0	A
	Right Turn						
	Subtotal	2,508	2,404	95.8%	9.8	2.0	A
Total		4,956	4,748	95.8%	9.9	1.5	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Cumulative Plus Project
PM Peak Hour

Intersection 1 Jocelyn Way-Lewis Stein Rd/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	360	394	109.3%	37.3	4.5	D
	Through	100	119	119.2%	36.5	10.9	D
	Right Turn	502	521	103.8%	28.7	6.2	C
	Subtotal	962	1,034	107.5%	33.0	3.0	C
SB	Left Turn	70	78	112.0%	45.7	6.4	D
	Through	60	65	108.7%	47.2	6.7	D
	Right Turn	30	27	90.7%	10.0	5.9	A
	Subtotal	160	171	106.8%	40.3	3.2	D
EB	Left Turn	25	28	112.0%	70.3	13.4	E
	Through	974	983	100.9%	30.9	2.6	C
	Right Turn	180	171	95.1%	15.2	1.6	B
	Subtotal	1,179	1,182	100.3%	29.6	2.4	C
WB	Left Turn	462	444	96.0%	64.1	4.4	E
	Through	1,507	1,438	95.4%	34.7	4.2	C
	Right Turn	91	88	97.1%	12.6	2.6	B
	Subtotal	2,060	1,970	95.7%	40.4	3.1	D
Total		4,361	4,357	99.9%	35.7	1.5	D

Intersection 2 W Stockton Blvd-SR 99 SB Ramps/Sheldon Rd Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	398	444	111.6%	51.9	5.9	D
	Through	71	76	107.6%	43.0	9.9	D
	Right Turn	810	830	102.5%	44.0	11.7	D
	Subtotal	1,279	1,350	105.6%	46.7	7.4	D
SB	Left Turn	247	267	108.0%	70.5	20.4	E
	Through	160	166	103.5%	63.4	9.3	E
	Right Turn	76	84	110.5%	47.7	11.8	D
	Subtotal	483	516	106.9%	65.0	12.3	E
EB	Left Turn	84	69	82.4%	67.3	11.0	E
	Through	1,492	1,492	100.0%	51.1	5.0	D
	Right Turn	201	198	98.7%	8.1	1.4	A
	Subtotal	1,777	1,759	99.0%	46.8	4.8	D
WB	Left Turn	570	492	86.4%	113.2	36.0	F
	Through	1,911	1,842	96.4%	41.1	8.1	D
	Right Turn	310	316	102.1%	18.9	6.0	B
	Subtotal	2,791	2,650	95.0%	51.8	6.7	D
Total		6,330	6,276	99.2%	50.5	4.8	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Sheldon Maverik Gas Station
Cumulative Plus Project
PM Peak Hour

Intersection 3

SR 99 NB Ramps/Sheldon Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	424	402	94.7%	43.4	4.5	D
	Through						
	Right Turn	430	432	100.4%	45.1	10.5	D
	Subtotal	854	833	97.6%	44.2	7.3	D
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	2,134	2,198	103.0%	17.9	4.4	B
	Right Turn	415	435	104.9%	7.6	1.3	A
	Subtotal	2,549	2,634	103.3%	16.2	3.9	B
WB	Left Turn						
	Through	2,797	2,748	98.3%	23.7	2.2	C
	Right Turn						
	Subtotal	2,797	2,748	98.3%	23.7	2.2	C
Total		6,200	6,215	100.2%	23.3	1.7	C

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	UL	L	T	T	R	UL	T	T	T	R	UL	L
Maximum Queue (ft)	15	23	240	311	68	296	202	158	169	76	84	104
Average Queue (ft)	3	5	154	221	20	216	111	98	104	28	32	57
95th Queue (ft)	18	23	262	347	92	334	218	172	183	83	81	101
Link Distance (ft)			2456	2456			704	704	704			1318
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	280	280			300	320				180	170	
Storage Blk Time (%)			0	1		3			1		0	0
Queuing Penalty (veh)			0	1		8			1		0	0

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	NB	NB	SB	SB	SB	SB
Directions Served	T	R	L	L	T	R
Maximum Queue (ft)	348	230	106	151	65	26
Average Queue (ft)	147	195	36	100	30	7
95th Queue (ft)	402	271	102	165	66	26
Link Distance (ft)	1318				862	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		170	200	200		150
Storage Blk Time (%)	0	28		0		
Queuing Penalty (veh)	0	9		0		

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	L	T	T	T	R	L	L	T	T	T	R	L
Maximum Queue (ft)	123	229	311	392	75	188	189	226	182	189	152	98
Average Queue (ft)	73	150	229	327	45	131	133	143	121	121	70	53
95th Queue (ft)	139	229	329	417	79	200	193	245	196	214	166	106
Link Distance (ft)		653	653	653				650	650	650		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	280				400	680	680				180	310
Storage Blk Time (%)		0		1					3		0	
Queuing Penalty (veh)		0		2					11		1	

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	R	L	TR
Maximum Queue (ft)	121	26	72	74	233	188
Average Queue (ft)	73	6	39	40	147	99
95th Queue (ft)	121	27	79	78	248	241
Link Distance (ft)	433	433	433			1472
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)				310	230	
Storage Blk Time (%)					5	0
Queuing Penalty (veh)					5	0

Intersection: 3: NB SR 99 Ramps & Sheldon Rd

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB
Directions Served	T	T	T	T	T	T	T	L	LR	R
Maximum Queue (ft)	90	94	119	177	128	142	128	74	130	88
Average Queue (ft)	37	36	53	84	49	73	59	28	80	52
95th Queue (ft)	84	87	113	183	127	148	145	70	137	98
Link Distance (ft)	180	180	180	632	632	632	632	557	557	557
Upstream Blk Time (%)			0							
Queuing Penalty (veh)			0							
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	UL	L	T	T	R	UL	T	T	T	R	UL	L
Maximum Queue (ft)	22	29	225	302	136	360	376	314	264	131	182	191
Average Queue (ft)	7	7	141	193	48	272	203	177	195	41	119	128
95th Queue (ft)	25	27	246	327	133	411	405	298	279	142	188	206
Link Distance (ft)			2456	2456			704	704	704			1318
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	280	280			300	320				180	170	
Storage Blk Time (%)			0	1		9			12		2	4
Queuing Penalty (veh)			0	1		32			10		2	7

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	NB	NB	SB	SB	SB	SB
Directions Served	T	R	L	L	T	R
Maximum Queue (ft)	165	190	42	94	89	26
Average Queue (ft)	74	125	9	39	39	12
95th Queue (ft)	171	205	42	96	91	30
Link Distance (ft)	1318				862	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		170	200	200		150
Storage Blk Time (%)	0	2				
Queuing Penalty (veh)	1	2				

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	L	T	T	T	R	L	L	T	T	T	R	L
Maximum Queue (ft)	91	162	232	296	73	223	234	232	234	230	80	170
Average Queue (ft)	45	93	151	211	37	150	161	122	117	130	14	128
95th Queue (ft)	99	169	243	319	77	232	247	225	225	226	71	189
Link Distance (ft)		653	653	653				650	650	650		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	280				400	680	680				180	310
Storage Blk Time (%)				0						4		
Queuing Penalty (veh)				0						9		

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	R	L	TR
Maximum Queue (ft)	198	66	141	152	190	237
Average Queue (ft)	156	38	100	104	131	157
95th Queue (ft)	227	85	151	162	211	245
Link Distance (ft)	433	433	433			1472
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)				310	230	
Storage Blk Time (%)					0	2
Queuing Penalty (veh)					1	2

Intersection: 3: NB SR 99 Ramps & Sheldon Rd

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB
Directions Served	T	T	T	T	T	T	T	L	LR	R
Maximum Queue (ft)	154	167	209	297	251	286	130	137	205	157
Average Queue (ft)	89	98	130	148	108	126	48	83	142	85
95th Queue (ft)	172	178	224	315	261	283	130	153	211	155
Link Distance (ft)	180	180	180	632	632	632	632	557	557	557
Upstream Blk Time (%)	0	0	2							
Queuing Penalty (veh)	1	2	9							
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	UL	L	T	T	R	UL	T	T	T	R	UL	L
Maximum Queue (ft)	20	19	259	319	40	343	187	142	142	44	82	101
Average Queue (ft)	4	3	174	238	12	249	88	85	95	20	34	50
95th Queue (ft)	20	14	279	353	37	383	187	155	152	47	90	101
Link Distance (ft)			2456	2456			704	704	704			1318
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	280	280			300	320				180	170	
Storage Blk Time (%)			0	1		5	0		0			
Queuing Penalty (veh)			0	1		13	0		0			

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	NB	NB	SB	SB	SB	SB
Directions Served	T	R	L	L	T	R
Maximum Queue (ft)	463	229	90	164	68	28
Average Queue (ft)	288	206	26	96	32	6
95th Queue (ft)	638	278	81	163	75	26
Link Distance (ft)	1318				862	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		170	200	200		150
Storage Blk Time (%)		49		0		
Queuing Penalty (veh)		16		0		

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	UL	T	T	T	R	L	L	T	T	T	R	L
Maximum Queue (ft)	120	257	329	419	94	198	204	219	202	214	124	107
Average Queue (ft)	72	176	248	357	54	139	148	140	125	141	51	53
95th Queue (ft)	126	267	352	445	96	208	217	238	222	229	128	111
Link Distance (ft)		359	359	359	359			650	650	650		
Upstream Blk Time (%)			0	11								
Queuing Penalty (veh)			0	46								
Storage Bay Dist (ft)	280					680	680				180	310
Storage Blk Time (%)		0							5		0	
Queuing Penalty (veh)		0							16		0	

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	R	L	TR
Maximum Queue (ft)	136	21	76	65	273	301
Average Queue (ft)	81	6	39	33	208	136
95th Queue (ft)	140	25	76	64	315	341
Link Distance (ft)	433	433	433			561
Upstream Blk Time (%)						0
Queuing Penalty (veh)						1
Storage Bay Dist (ft)				310	230	
Storage Blk Time (%)					14	
Queuing Penalty (veh)					15	

Intersection: 3: NB SR 99 Ramps & Sheldon Rd

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB
Directions Served	T	T	T	T	T	T	T	L	LR	R
Maximum Queue (ft)	80	94	111	185	143	165	164	66	128	101
Average Queue (ft)	42	46	60	76	49	74	65	28	79	52
95th Queue (ft)	86	107	119	170	139	156	170	66	137	105
Link Distance (ft)	180	180	180	632	632	632	632	557	557	557
Upstream Blk Time (%)		0								
Queuing Penalty (veh)		1								
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	UL	L	T	T	R	UL	T	T	T	R	UL	L
Maximum Queue (ft)	22	29	273	334	125	387	454	364	279	96	167	204
Average Queue (ft)	5	12	144	211	53	332	303	236	195	39	111	125
95th Queue (ft)	22	32	280	366	153	449	675	484	287	120	185	218
Link Distance (ft)			2456	2456			704	704	704			1318
Upstream Blk Time (%)							2					
Queuing Penalty (veh)							13					
Storage Bay Dist (ft)	280	280			300	320				180	170	
Storage Blk Time (%)			0	2		24	0		12		2	3
Queuing Penalty (veh)			0	3		85	0		10		2	6

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	NB	NB	SB	SB	SB	SB
Directions Served	T	R	L	L	T	R
Maximum Queue (ft)	170	185	37	86	64	28
Average Queue (ft)	87	125	10	39	35	13
95th Queue (ft)	220	216	36	88	77	34
Link Distance (ft)	1318				862	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		170	200	200		150
Storage Blk Time (%)	0	5				
Queuing Penalty (veh)	0	4				

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	UL	T	T	T	R	L	L	T	T	T	R	L
Maximum Queue (ft)	78	182	244	296	78	217	222	233	267	295	196	188
Average Queue (ft)	44	107	160	212	43	137	145	124	124	154	39	138
95th Queue (ft)	84	188	246	304	83	214	220	247	263	301	184	212
Link Distance (ft)		359	359	359	359			650	650	650		
Upstream Blk Time (%)				0								
Queuing Penalty (veh)				0								
Storage Bay Dist (ft)	280					680	680				180	310
Storage Blk Time (%)										5		
Queuing Penalty (veh)										11		

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	R	L	TR
Maximum Queue (ft)	233	89	162	169	218	216
Average Queue (ft)	167	44	117	120	158	153
95th Queue (ft)	249	95	174	193	238	229
Link Distance (ft)	433	433	433			561
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)				310	230	
Storage Blk Time (%)	0				1	0
Queuing Penalty (veh)	0				2	1

Intersection: 3: NB SR 99 Ramps & Sheldon Rd

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB
Directions Served	T	T	T	T	T	T	T	L	LR	R
Maximum Queue (ft)	202	207	238	276	218	271	100	118	197	148
Average Queue (ft)	113	124	149	141	97	128	42	69	133	89
95th Queue (ft)	205	213	246	298	224	283	111	133	202	156
Link Distance (ft)	180	180	180	632	632	632	632	557	557	557
Upstream Blk Time (%)	1	2	4							
Queuing Penalty (veh)	6	10	18							
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	UL	L	T	T	R	UL	L	T	T	T	R	UL
Maximum Queue (ft)	22	31	328	408	206	156	168	133	144	155	53	88
Average Queue (ft)	6	10	215	281	67	111	127	72	85	102	26	40
95th Queue (ft)	25	31	356	440	254	172	186	141	157	178	56	88
Link Distance (ft)			2456	2456				704	704	704		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	280	280			300	320	320				180	170
Storage Blk Time (%)			2	7						2		
Queuing Penalty (veh)			0	6						1		

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	T	R	L	L	T	R
Maximum Queue (ft)	109	356	230	81	146	81	28
Average Queue (ft)	68	145	199	29	93	40	12
95th Queue (ft)	120	400	270	80	154	84	33
Link Distance (ft)	1317	1317				861	
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			170	200	200		150
Storage Blk Time (%)		0	26		0		
Queuing Penalty (veh)		1	10		0		

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	L	T	T	T	R	L	L	T	T	T	R	L
Maximum Queue (ft)	141	315	401	545	297	391	398	290	202	191	175	102
Average Queue (ft)	89	217	299	424	106	294	302	170	141	132	79	56
95th Queue (ft)	170	343	434	579	369	493	506	304	219	209	173	108
Link Distance (ft)		653	653	653				650	650	650		
Upstream Blk Time (%)				0								
Queuing Penalty (veh)				1								
Storage Bay Dist (ft)	280				400	680	680				180	310
Storage Blk Time (%)		2		18						2	1	
Queuing Penalty (veh)		2		39						7	2	

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	R	L	TR
Maximum Queue (ft)	124	60	101	98	277	329
Average Queue (ft)	76	25	57	55	207	169
95th Queue (ft)	130	64	100	99	316	388
Link Distance (ft)	433	433	433			1472
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)				310	230	
Storage Blk Time (%)					16	1
Queuing Penalty (veh)					23	2

Intersection: 3: NB SR 99 Ramps & Sheldon Rd

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB
Directions Served	T	T	T	T	T	T	T	L	LR	R
Maximum Queue (ft)	146	156	178	276	192	202	231	73	128	85
Average Queue (ft)	66	78	90	120	71	91	109	34	81	41
95th Queue (ft)	170	182	204	298	213	223	277	79	134	84
Link Distance (ft)	180	180	180	632	632	632	632	557	557	557
Upstream Blk Time (%)	1	1	2							
Queuing Penalty (veh)	5	6	8							
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	UL	L	T	T	R	UL	L	T	T	T	R	UL
Maximum Queue (ft)	36	42	346	418	276	217	232	309	320	350	258	191
Average Queue (ft)	13	18	218	275	117	156	169	204	221	246	77	146
95th Queue (ft)	38	49	390	471	329	227	246	310	331	362	234	217
Link Distance (ft)			2456	2456				704	704	704		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	280	280			300	320	320				180	170
Storage Blk Time (%)			4	7				0		22		7
Queuing Penalty (veh)			1	12				1		20		10

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	T	R	L	L	T	R
Maximum Queue (ft)	234	307	228	35	94	92	38
Average Queue (ft)	172	147	190	13	53	50	16
95th Queue (ft)	266	336	265	44	110	98	41
Link Distance (ft)	1317	1317				861	
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			170	200	200		150
Storage Blk Time (%)	7	0	19			0	
Queuing Penalty (veh)	16	1	19			0	

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB	
Directions Served	L	T	T	T	R	L	L	T	T	T		R	L
Maximum Queue (ft)	91	295	344	482	254	321	353	483	502	542	270	206	
Average Queue (ft)	57	198	261	349	78	235	249	321	305	325	167	160	
95th Queue (ft)	103	304	375	505	282	335	380	507	524	580	359	248	
Link Distance (ft)		653	653	653				650	650	650			
Upstream Blk Time (%)								0	0	0			
Queuing Penalty (veh)								1	0	5			
Storage Bay Dist (ft)	280				400	680	680				180	310	
Storage Blk Time (%)		1		7				0		32		0	
Queuing Penalty (veh)		1		13				0		106		0	

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	R	L	TR
Maximum Queue (ft)	242	99	298	280	273	380
Average Queue (ft)	192	58	223	217	229	255
95th Queue (ft)	286	107	338	317	327	486
Link Distance (ft)	433	433	433			1472
Upstream Blk Time (%)				0		
Queuing Penalty (veh)				1		
Storage Bay Dist (ft)				310	230	
Storage Blk Time (%)	0		2	1	15	12
Queuing Penalty (veh)	1		6	5	33	26

Intersection: 3: NB SR 99 Ramps & Sheldon Rd

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB
Directions Served	T	T	T	T	T	T	T	L	LR	R
Maximum Queue (ft)	209	212	241	593	546	496	312	262	356	273
Average Queue (ft)	127	133	165	397	323	323	146	165	254	197
95th Queue (ft)	217	220	259	652	614	558	330	275	359	283
Link Distance (ft)	180	180	180	632	632	632	632	557	557	557
Upstream Blk Time (%)	3	3	6	1	0					
Queuing Penalty (veh)	16	18	39	4	1					
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	UL	L	T	T	R	UL	L	T	T	T	R	UL
Maximum Queue (ft)	21	96	465	542	331	170	191	124	142	166	38	74
Average Queue (ft)	7	34	316	391	138	122	144	65	80	103	21	37
95th Queue (ft)	27	174	538	635	394	175	201	119	139	169	46	82
Link Distance (ft)			2456	2456				704	704	704		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	280	280			300	320	320				180	170
Storage Blk Time (%)			9	17						1		
Queuing Penalty (veh)			1	14						1		

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	T	R	L	L	T	R
Maximum Queue (ft)	223	521	230	101	146	84	25
Average Queue (ft)	72	321	215	35	94	44	6
95th Queue (ft)	327	784	269	104	156	96	25
Link Distance (ft)	1317	1317				861	
Upstream Blk Time (%)	0	1					
Queuing Penalty (veh)	0	0					
Storage Bay Dist (ft)			170	200	200		150
Storage Blk Time (%)		0	35		0	0	
Queuing Penalty (veh)		0	14		0	0	

Queuing and Blocking Report
 Cumulative Plus Project

03/11/2022

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	UL	T	T	T	R	L	L	T	T	T	R	L
Maximum Queue (ft)	135	352	410	465	147	331	344	266	219	234	174	135
Average Queue (ft)	85	279	335	441	64	252	260	168	143	159	70	69
95th Queue (ft)	144	395	447	505	153	370	385	262	232	252	168	138
Link Distance (ft)		388	388	388	388			650	650	650		
Upstream Blk Time (%)		0	3	45								
Queuing Penalty (veh)		1	15	218								
Storage Bay Dist (ft)	280					680	680				180	310
Storage Blk Time (%)		6							9		0	
Queuing Penalty (veh)		7							30		2	

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	R	L	TR
Maximum Queue (ft)	161	52	83	83	286	317
Average Queue (ft)	94	24	52	48	224	163
95th Queue (ft)	170	56	91	87	319	357
Link Distance (ft)	433	433	433			587
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)				310	230	
Storage Blk Time (%)					16	0
Queuing Penalty (veh)					24	0

Intersection: 3: NB SR 99 Ramps & Sheldon Rd

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB
Directions Served	T	T	T	T	T	T	T	L	LR	R
Maximum Queue (ft)	123	126	163	275	181	176	230	88	152	122
Average Queue (ft)	51	53	71	120	69	88	100	32	93	64
95th Queue (ft)	139	139	172	299	199	209	242	85	157	129
Link Distance (ft)	180	180	180	632	632	632	632	557	557	557
Upstream Blk Time (%)	0	0	0							
Queuing Penalty (veh)	1	1	3							
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	UL	L	T	T	R	UL	L	T	T	T	R	UL
Maximum Queue (ft)	34	53	296	371	193	237	326	405	394	438	259	181
Average Queue (ft)	10	24	193	245	70	185	220	284	298	326	115	121
95th Queue (ft)	34	56	313	389	210	261	340	425	435	465	302	185
Link Distance (ft)			2456	2456				704	704	704		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	280	280			300	320	320				180	170
Storage Blk Time (%)			2	3			0	5		28		2
Queuing Penalty (veh)			0	5			0	23		26		3

Intersection: 1: Lewis Stein Rd/Jocelyn Way & Sheldon Rd

Movement	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	T	R	L	L	T	R
Maximum Queue (ft)	240	348	229	40	92	99	32
Average Queue (ft)	148	184	200	13	58	54	13
95th Queue (ft)	221	414	266	42	105	108	36
Link Distance (ft)	1317	1317				861	
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			170	200	200		150
Storage Blk Time (%)	4	0	27			0	
Queuing Penalty (veh)	10	2	27			0	

Queuing and Blocking Report
Cumulative Plus Project

03/11/2022

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	WB	NB
Directions Served	UL	T	T	T	R	L	L	T	T	T	R	L
Maximum Queue (ft)	235	409	425	469	79	380	437	523	535	584	269	213
Average Queue (ft)	96	326	362	448	50	310	329	344	341	369	177	160
95th Queue (ft)	261	439	454	494	86	490	525	568	582	648	373	235
Link Distance (ft)		388	388	388	388			650	650	650		
Upstream Blk Time (%)	0	2	4	26		0	0	0	0	1		
Queuing Penalty (veh)	0	8	17	114		0	1	1	1	5		
Storage Bay Dist (ft)	280					680	680				180	310
Storage Blk Time (%)		11				0	0			32		
Queuing Penalty (veh)		9				0	1			98		

Intersection: 2: SB SR 99 Ramps/W Stockton Blvd & Sheldon Rd

Movement	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	R	L	TR
Maximum Queue (ft)	243	90	361	349	280	413
Average Queue (ft)	182	51	252	243	230	247
95th Queue (ft)	267	94	383	366	322	466
Link Distance (ft)	433	433	433			587
Upstream Blk Time (%)			0			2
Queuing Penalty (veh)			2			10
Storage Bay Dist (ft)				310	230	
Storage Blk Time (%)	0		5	4	17	6
Queuing Penalty (veh)	0		21	18	39	15

Intersection: 3: NB SR 99 Ramps & Sheldon Rd

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB
Directions Served	T	T	T	T	T	T	T	L	LR	R
Maximum Queue (ft)	238	239	250	570	537	519	409	274	344	296
Average Queue (ft)	162	171	190	400	327	350	178	176	254	205
95th Queue (ft)	284	287	296	637	596	567	397	296	364	316
Link Distance (ft)	180	180	180	632	632	632	632	557	557	557
Upstream Blk Time (%)	9	10	13	0		0				
Queuing Penalty (veh)	56	65	85	1		0				
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

Draft Memorandum

Date: February 18, 2021
To: Aelita Milatzo, City of Sacramento
From: Greg Behrens, John Gard, and Tinotenda Jonga, Fehr & Peers
Subject: **Access Feasibility Study for Maverik Gas Station on Sheldon Road in Sacramento, CA**

RS21-4011

This memorandum documents the data collection, travel characteristics, travel demand forecasting, and access feasibility assessment prepared for the Maverik Gas Station project on Sheldon Road in Sacramento, California.

Project Site Setting

The project site is located on a vacant lot at the northwest corner of the Sheldon Road/Southbound State Route (SR) 99 Ramps/West Stockton Boulevard intersection.

Along the project site frontage (west of West Stockton Boulevard), Sheldon Road is a six-lane arterial with a posted speed limit of 40 miles per hour. To the east, Sheldon Road provides connections to SR 99 at the Sheldon Road interchange before continuing east into the City of Elk Grove. To the west, Sheldon Road transitions into Center Parkway and travel north past Cosumnes River College and into the City of Sacramento.

Near the project site, West Stockton Boulevard is a two-lane roadway. The posted speed limit is 45 miles per hour, but speed surveys conducted in January 2021¹ indicated that the 85th percentile (i.e., critical) speed is 50 miles per hour for southbound traffic within the vicinity of the project site. To the north, West Stockton Boulevard continues until its terminus at Bruceville Road near the Cosumnes River College campus.

¹ Radar speed survey conducted on West Stockton Boulevard by National Data & Surveying Services (NDS) on January 20, 2021. Refer to technical appendix for speed survey data.



Data Collection

This assessment considers project access needs during the weekday AM and PM peak hours. Based on direction from City staff, this assessment additionally considers driveway needs under cumulative conditions, which assumes the completion of all planned local and regional land use and transportation system projects through 2040.

In order to derive cumulative traffic volumes at the project driveways, baseline intersection turning movement data was collected at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection during the AM and PM peak periods. Intersection turning movement data was acquired through StreetLight Data from Fall 2019. Fall 2019 was selected for the purposes of this study because it represents the most recent "typical" scenario prior to the COVID-19 pandemic. The COVID-19 pandemic has had a pronounced effect on typical traffic conditions and operations due to stay-at-home orders and related effects of the pandemic, so using new traffic counts collected during the pandemic would not have provided useful data for the purposes of this study.

Using the Fall 2019 intersection turning movement data as baseline traffic data, cumulative intersection turning movement data for a 2040 analysis year was estimated using the SACSIM19 travel demand model. The SACSIM19 model was used to prepare base and future year model forecasts, which were then used to adjust the Fall 2019 intersection turning movement data by applying the difference method to yield 2040 intersection turning movement estimates at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection. In turn, this data was utilized to estimate through traffic volumes on Sheldon Road and West Stockton Boulevard at the two proposed project driveways under 2040 conditions.

Project Travel Characteristics

Figure 1 shows the project site plan (*FIT Study Analysis, Option A, December 2020*). The proposed project would include a 5,637 square foot convenience store and 20 fueling positions.

The project would be accessed via two driveways. A right-in/right-out only driveway would be provided on Sheldon Road on the western edge of the project site. A full access driveway would be provided on West Stockton Boulevard on the northern edge of the project site. The project site plan does not include any additional modifications to Sheldon Road or West Stockton Boulevard within the vicinity of the project site.

Trip Generation

Typically, the trip generation of a proposed project is calculated using trip rates or equations contained in the *Institute of Transportation Engineers (ITE) Trip Generation Manual*. However, Fehr & Peers' experience



analyzing comparable Maverik stores indicates that ITE rates substantially overstate peak hour trip generation compared to empirical data reviewed at existing Maverik stores.

In order to estimate trip generation for the proposed project, sales transaction data was obtained from three existing and comparable Maverik stores. Maverik stores #358 (Lehi, UT), #468 (Pasco, WA) and #503 (Boise, ID) provided store transaction data for all Mondays, Tuesdays, Wednesdays, and Thursdays in October 2019, which is an above average month in terms of fuel sales. Fehr & Peers conducted a weighted average of these three stores to estimate transactions for the proposed project.

The collected data was supplemented with PM peak hour observations on September 29, 2020 at a Maverik Gas Station located at 425 South Redwood Road, Salt Lake City, UT to determine local "internal trip estimates". Additional counts were also collected in September 2020 at similar gas station and convenience market/restaurant facilities in Roseville to verify local conditions. It was necessary to determine the proportion of fuel sales that also included a purchase inside store using sales transaction data due to the inclusion of the convenience store in the project description. These facilities were purposefully chosen because they share similar operating/design characteristics to that of the proposed project.

Table 1 shows the project's expected trip generation, including reductions for pass-by trips. Pass-by trips are trips already on the network and therefore would not be considered as new trips generated by the project. Pass-by trips were estimated from data presented in the Trip Generation Handbook, 3rd Edition (Institute of Transportation Engineers, 2017).

Table 1 Project Trip Generation

Land Use	Daily	AM Peak Hour			PM Peak Hour		
		In	Out	Total	In	Out	Total
Total Gross Trips	3,714	134	134	268	109	109	218
<i>Pass-By Trip Reduction</i>	-2,792	-101	-101	-202	-82	-82	-164
Net New External Trips	922	33	33	66	27	27	54

Note:
 Trip generation estimate calculated using observed data and pass-by rates obtained from Trip Generation Handbook, 3rd Edition (Institute of Transportation Engineers, 2017) for the Gas Station land use (Land Use Code 945).
 Source: Fehr & Peers, Maverik, ITE Trip Generation Handbook, 3rd Edition, 2021.

As shown in **Table 1**, during the AM peak hour, the project would generate 66 net new vehicle trips (50% in/50% out). During the PM peak hour, the project would generate 54 net new vehicle trips (50% in/50% out). Daily, the project would generate 922 net new vehicle trips. These represent net new external vehicle trips after accounting for reductions made for pass-by activity per the Trip Generation Handbook (ITE, 2017).



Trip Distribution and Assignment

Table 2 summarizes the estimated distribution of project trips. New project trips were assigned to the roadway network based on traffic patterns projected under cumulative conditions and the general distribution of jobs, housing, and other destinations in the area, as well as permitted driveway movements. Pass-by trips were assigned based on the volume of traffic at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard and ease of performing pass-by maneuvers.

Table 2: Project Trip Distribution

Direction	Existing Plus Project				Cumulative Plus Project			
	AM		PM		AM		PM	
	In	Out	In	Out	In	Out	In	Out
Sheldon Road to/from the west	42%	28%	30%	40%	41%	25%	28%	38%
Sheldon Road to/from the east	42%	44%	45%	38%	40%	45%	45%	39%
SR 99 Ramps to/from the south	9%	17%	19%	16%	11%	19%	20%	15%
W Stockton Boulevard to/from north	8%	11%	7%	7%	8%	11%	7%	8%

Source: Fehr & Peers, 2021.



Project Driveway Evaluation

The following items were considered during the evaluation of the proposed project driveways:

- Need for right-turn deceleration lane at Sheldon Road driveway approach. Configuration of right-turn deceleration lane at Sheldon Road driveway approach, if needed, including taper length, deceleration lane length, and accommodations for bicyclists and pedestrians.
- Need for left-turn ingress at the West Stockton Boulevard project driveway.
- Corner sight distance for vehicles exiting the two project driveways.
- Access considerations for adjacent vacant parcels

Need for Right-Turn Deceleration Lane at Sheldon Road Driveway

Based on the project site plan, westbound right-turn access from Sheldon Road into the project site would be completed from the outside westbound through lane.

Standards and Guidance

The City of Sacramento *Design and Procedures Manual, Section 15 – Street Design Standards* (City of Sacramento, July 2009) Section 15.7.7 states that “acceleration and deceleration lanes may be required at driveways and minor intersections based on the street designation, design speed, and projected volumes.” However, the City *Street Design Standards* does not describe specific conditions under which right-turn lanes at driveways are required. The following resources provide guidance on this topic:

- AASHTO *Green Book* – Section 9.7.2.1 of the American Association of State Highway and Transportation Officials (AASHTO) *Policy on Geometric Design of Highways and Streets* (the *Green Book*) states that the “provision for deceleration clear of the through-traffic lanes is a desirable objective on arterial roads and streets and should be incorporated into design, whenever practical.” Additionally, the AASHTO *Green Book* describes how research has demonstrated that providing a left- and right-turn lane on any intersection approach has a substantial crash reduction benefit.
- Caltrans LDIGR Safety Review Guidance – In *Traffic Safety Bulletin 20-02-R1: Interim Local Development Intergovernmental Review (LDIGR) Safety Review Practitioners Guidance* (Caltrans, December 18, 2020) Caltrans provides guidance for conducting safety impact analysis for proposed land use projects and plans in compliance with CEQA. Caltrans indicates that traffic safety mitigation may be appropriate if a project would cause an off-ramp queue to spill back onto the freeway mainline, causing a speed differential of 30 miles per hour or greater. Caltrans states that speed differentials in congestion-related rear-end collisions that are 30 mph or greater have shown the potential to increase severe injury and fatal injuries exponentially as the speed differential increases above the 30 miles per hour speed differential. While Caltrans guidance pertains to project impacts



on the State highway system, similar operational and safety considerations could be given to arterial roads with higher speeds and volumes of vehicle traffic.

- *Transportation and Land Development - Transportation and Land Development* (Stover and Koepke, 2002) is a reference to practitioners, providing design guidance and recommendations that pertain to transportation-related issues involved in land use planning and development. Chapter 5 describes principles of access design. Similar to the Caltrans LDIGR Safety Review Guidance, *Transportation and Land Development* describes the relationship between speed differentials and crash rates. Table 5-12 summarizes the relative crash rates for at-grade arterials based on a variety of speed differentials, indicating that crash rates for speed differentials at 30 miles per hour are 23 times greater than crash rates for speed differentials of 10 miles per hour. The document additionally describes the use of turn bays as a strategy to address speed differentials at driveways and intersections. Figure 5-25 provides suggested warrants for right-turn bays at driveways and intersections and recommends that right-turn bays be provided where right lane volumes are 350 vehicles per hour per lane or more.

Evaluation

Based on the project trip generation and trip assignment estimates, the project is anticipated to generate considerable peak hour right-turn volumes at the Sheldon Road driveway. Right-turn volumes into the Sheldon Road driveway would total an estimated 100 vehicles during the AM peak hour and 80 vehicles during the PM peak hour. This would be roughly equivalent to a vehicle turning into the driveway once every 36 seconds during the AM peak hour and once every 45 seconds during the PM peak hour (assuming peak hour project vehicle trips are evenly spread across the AM and PM peak hours).

Sheldon Road is classified as an arterial road and has a posted speed limit of 40 miles per hour along the project site frontage. Vehicles completing a westbound right-turn movement into the project site driveway would be required to slow to speeds in the 5 to 15 mile per hour range while maneuvering into the project site.² Therefore, a considerable speed differential (ranging from 25 to 35 miles per hour) would exist between westbound through traffic and westbound right turning traffic, which could in turn increase the potential for conflicts and adverse operational effects at the approach to the Sheldon Road driveway.

Under cumulative conditions, westbound traffic volumes on Sheldon Road passing the proposed driveway location would total an estimated 1,160 vehicles during the AM peak hour and 2,250 vehicles during the PM peak hour. Considering the westbound lane utilization at this location, these volumes would be sufficient to meet the right-turn bay warrant identified in Figure 5-25 of *Transportation and Land Development* (right lane volume of 350 vehicles per hour per lane or more).

² Observed data reported in Table 7-1 in *Transportation and Land Development* (Stover and Koepke, 2002) indicates that average right-turn entry speeds at driveways range from as low as 7 miles per hour to as high as 12.8 miles per hour.



Recommendations

Fehr & Peers recommends the construction of a westbound right-turn deceleration lane at the Sheldon Road driveway. The Maverik site plan indicates that 225 feet would be available between the Sheldon Road driveway centerline and the near curb return at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection. Therefore, a right-turn deceleration lane with a lane length of 175 feet plus a taper length of 50 feet (for a total of 225 feet) could be accommodated at the Sheldon Road driveway.

Table 9-20 in the AASHTO *Green Book* provides guidance on desirable lane change and deceleration distances for deceleration lanes. For a roadway with a design speed of 40 miles per hour, Table 9-20 recommends a combined lane change and deceleration distance of 265 feet. Therefore, the proposed right-turn deceleration lane at the Sheldon Road driveway would measure approximately 40 feet less than the desired distance identified by AASHTO. Note that AASHTO acknowledges that it is not practical on many facilities to provide the full deceleration length due to constraints such as restricted right-of-way, distance available between adjacent intersections, and storage needs. AASHTO recommends the installation of turn lanes where warranted even where the desired distances in Table 9-20 cannot be achieved, citing the demonstrated crash reduction benefit of turn lanes.

Note that the recommended deceleration lane would require the widening of Sheldon Road. Additionally, the deceleration lane should include high visibility conflict markings for the westbound bike lane that would be located between the through lane and the right-turn lane.

Need for Left-Turn Ingress at the West Stockton Boulevard Driveway

Based on the project site plan, northbound left-turn access from West Stockton Boulevard into the project site would be completed from the northbound through lane.

Standards and Guidance

The AASHTO *Green Book* recommends that left-turning traffic should be removed from the through lane whenever practical. The provision of left-turn lanes is reported to reduce crash rates by 20 to 65 percent and improve service levels for intersections and associated turning movements. Table 9-24 of the *Green Book* provides left-turn lanes warrants at unsignalized intersections on arterials in urban areas based on left-turn volumes and opposing traffic volumes.



Evaluation

Based on the project trip generation and trip assignment estimates, northbound left-turn volumes from West Stockton Boulevard into the project site would total an estimated 20 vehicles during both the AM and PM peak hours. Note that under cumulative conditions, it is conceivable that these volumes would be even greater with the future buildout of the existing vacant parcels zoned for general commercial development surrounding the project site (these volumes would also be influenced by the access provisions for these vacant parcels, which are not known at this time). Furthermore, opposing southbound traffic volumes would measure at an estimated 380 vehicles during the AM peak hour and 420 vehicles during the PM peak hour under cumulative conditions. Table 9-24 of the *Green Book* recommends that left-turn lanes be provided at three-legged intersections with a peak hour left-turn volume of 20 vehicles when the opposing traffic volume is 200 vehicles or more. Therefore, the West Stockton Boulevard driveway would meet the AASHTO *Green Book* criteria for a northbound left-turn lane.

Recommendations

Fehr & Peers recommends that a two-way left-turn lane (TWLTL) be constructed on West Stockton Boulevard beginning at the end of the striping for of the southbound left-turn pocket at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection and ending approximately 100 feet north of the project's West Stockton Boulevard driveway. This configuration would provide approximately 100 feet of storage for northbound left-turning vehicles into the project site (approximately four car lengths), which would serve both project vehicle trips as well as potential future vehicles accessing vacant parcels surrounding the project site. The modification should adhere to applicable City design standards. The TWLTL would accommodate left-turns in and out of the West Stockton Boulevard driveway while minimizing their effects on through traffic along West Stockton Boulevard.

Note that the AASHTO *Green Book* recommends that a minimum storage length of 100 feet be provided for left-turn lanes for high-speed (40 miles per hour or more) and rural locations. Moreover, according to Table 9-22 of the AASHTO *Green Book*, a left-turn lane with 100 feet of storage would be sufficient to accommodate left-turn volumes of up to 300 vehicles per hour at locations where opposing traffic volumes measure 400 vehicles per hour (based on the 85th percentile critical gap).

Note that West Stockton Boulevard would need to be widened north and south of the project driveway in order to accommodate the lateral lane transition required for the northbound and southbound through lanes within the vicinity of the TWLTL.



Driveway Corner Sight Distance

Standards and Guidance

The City of Sacramento *Design and Procedures Manual, Section 15 – Street Design Standards* Section 15.9 requires that City streets and non-residential driveways shall be designed in accordance with the sight distance requirements as defined by the Caltrans Highway Design Manual, Sections 201 and 405.

Evaluation

Figure 2 and **Figure 3** illustrate the corner sight distance for vehicles exiting the project driveways on Sheldon Road and West Stockton Boulevard, respectively, based on a travel speed of 50 miles per hour. As shown, these lines of sight would generally be unobstructed except for the landscaping strips along the Sheldon Road and West Stockton Boulevard frontages and the center median on West Stockton Boulevard.

Additionally, the line of sight for vehicles exiting the West Stockton Boulevard driveway looking at oncoming northbound traffic (i.e., to complete an eastbound left-turn onto West Stockton Boulevard), could be obstructed by queued vehicles waiting to complete a southbound left-turn at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection. This queue would need to reach a length of approximately 100 feet (four car lengths) before this sight triangle would be obstructed. Note that a detailed peak hour traffic operations analysis would need to be conducted to estimate the length of this queue under Cumulative Plus Project conditions.

Recommendations

Fehr & Peers recommends that the Sheldon Road and West Stockton Boulevard landscaping strips and the West Stockton Boulevard center median are kept clear of vegetation or other objects with a height in excess of six inches within the green areas shown on Figures 2 and 3. Note that the recommended right-turn deceleration lane (refer to “Need for Right-Turn Deceleration Lane at Sheldon Road Driveway” section) would clear the potential line of sight obstruction at the Sheldon Road driveway shown in Figure 2.

Also note that the installation of a TWLTL (refer to “Need for Left-Turn Ingress at the West Stockton Boulevard Driveway” section) would reduce the potential for conflicts associated with potential sight distance issues between eastbound traffic exiting the West Stockton Boulevard project driveway and northbound traffic on West Stockton Boulevard by allowing for two-stage left-turn maneuvers exiting the West Stockton Boulevard driveway. If required, the following additional modification should be analyzed to address this potential sight distance issue:



- Modify signal timing at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection to reduce delay and, in turn, queue lengths for the southbound left-turn movement at this intersection.

A detailed traffic operations analysis should be conducted for Cumulative Plus Project conditions to determine the extent to which the southbound left-turn queue at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection would cause sight distance issues at the West Stockton Boulevard driveway.

Access Considerations for Adjacent Vacant Parcels

The project site is surrounded to the north and to the west by vacant parcels that are currently zoned for general commercial development. The specific uses of these parcels and their access needs are not known at this time. However, the construction of the Maverik project would influence potential future access accommodations for these parcels as their development occurs.

To the west, the vacant parcel would have approximately 130 feet of available frontage on Sheldon Road. It is presumed that access to this commercial parcel from Sheldon Road would be desirable given the high volume of vehicle traffic on Sheldon Road. However, the construction of an additional driveway on Sheldon Road along the vacant parcel's frontage is not recommended given the relatively small frontage and the proximity of the proposed Maverik driveway on the western edge of the project site. Moreover, the provision of an additional driveway on the vacant parcel's Sheldon Road frontage would generate additional ingress/egress maneuvers along a short segment of Sheldon Road, which in turn would increase the potential for vehicle-vehicle and vehicle-bicycle conflicts at this location. For these reasons, Fehr & Peers recommends that the Maverik site plan be designed to accommodate a future drive aisle serving the vacant parcel located to the west. This would allow Maverik and adjacent vacant parcel to the west to share a driveway, thus providing access to the vacant parcel from Sheldon Road while minimizing the number of multi-modal conflicts points on this segment of Sheldon Road.



Summary & Conclusions

In summary, the evaluation of the proposed project driveways revealed the need for the following modifications to the project site plan and surrounding roadway network:

- Construct a westbound right-turn deceleration lane at the approach to the project's Sheldon Road driveway.
- Construct a TWLTL on West Stockton Boulevard beginning at the end of the striping for the southbound left-turn pocket at the Sheldon Road/Southbound SR 99 Ramps/West Stockton Boulevard intersection and ending approximately 100 feet north of the project's West Stockton Boulevard driveway.
- Keep the Sheldon Road and West Stockton Boulevard landscaping strips and the West Stockton Boulevard center median clear of vegetation or other objects with a height in excess of six inches within the green areas shown on Figures 2 and 3.
- Design the Maverik site plan to accommodate a future drive aisle serving the vacant parcels located to the west and north.

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References

American Association of State Highway and Transportation Officials (2018). *A Policy on Geometric Design of Highways and Streets Green Book, 2018 edition.*

Institute of Transportation Engineers (2017). *Trip Generation Handbook, 3rd Edition.*

Institute of Transportation Engineers (2017). *Trip Generation Manual, 10th Edition.*

State of California, Department of Transportation (December 18, 2020). *Traffic Safety Bulletin 20-02-R1: Interim Local Development Intergovernmental Review (LDIGR) Safety Review Practitioners Guidance.*

Stover, V G and Koepke, FJ (2002). *Transportation and Land Development, 2nd Edition.*

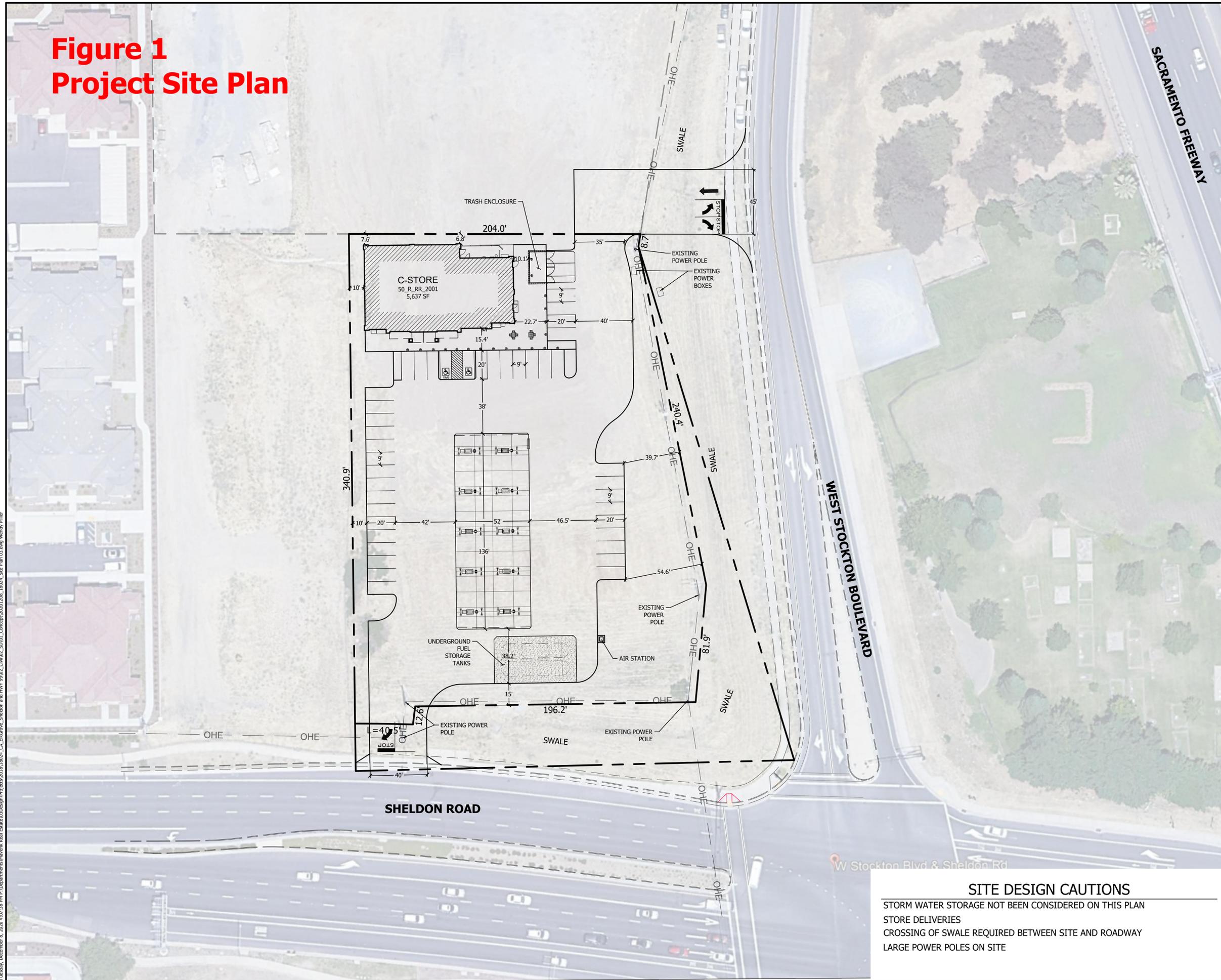
Transportation Research Board (2016). *Highway Capacity Manual, 6th Edition.*

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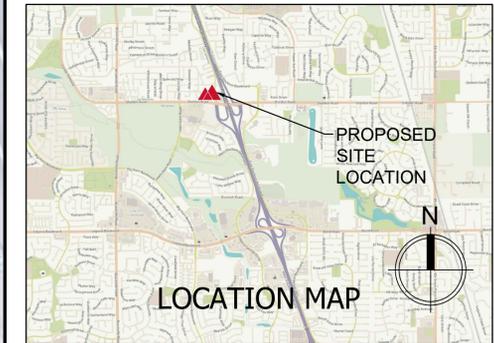
Technical Appendix

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**Figure 1
Project Site Plan**



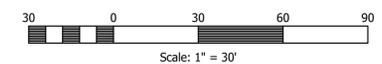
**STORE #: TBD
MAVERIK, INC.
WEST STOCKTON BOULEVARD
& SHELDON ROAD
SACRAMENTO, CALIFORNIA**



- NOTES:
- AREAS AND DIMENSIONS PROVIDED ARE APPROXIMATE AND SHOULD BE VERIFIED BY A SURVEY
 - THIS PLAN IS FOR ILLUSTRATIVE PURPOSES ONLY
 - THE BOUNDARIES OF THE PROPERTY SHOWN ON THIS DRAWING WERE CREATED FROM SCALED INFORMATION AND SHOULD NOT BE CONSIDERED ACCURATE.

SITE DATA

PARKING:	44 STALLS PROVIDED (2 A.D.A.) (Not incl. gas canopy locations)	
PARCEL AREA:	75,425 SQ. FT.	1.73 ACRES
BUILDING AREA:	5,637 SQ. FT.	0.13 ACRES



#	DATE	DESCRIPTION	REVISED BY
5	2020/12/08	MOVE ACCESS POINT	WLMR
4	2020/10/01	FIT STUDY ANALYSIS 03	WLMR
3	2020/08/21	LANDSCAPING CHANGES, UST ROTATED, TEAM COMMENTS	WLMR
2	2020/08/18	ADDED SCALE	WLMR
#			

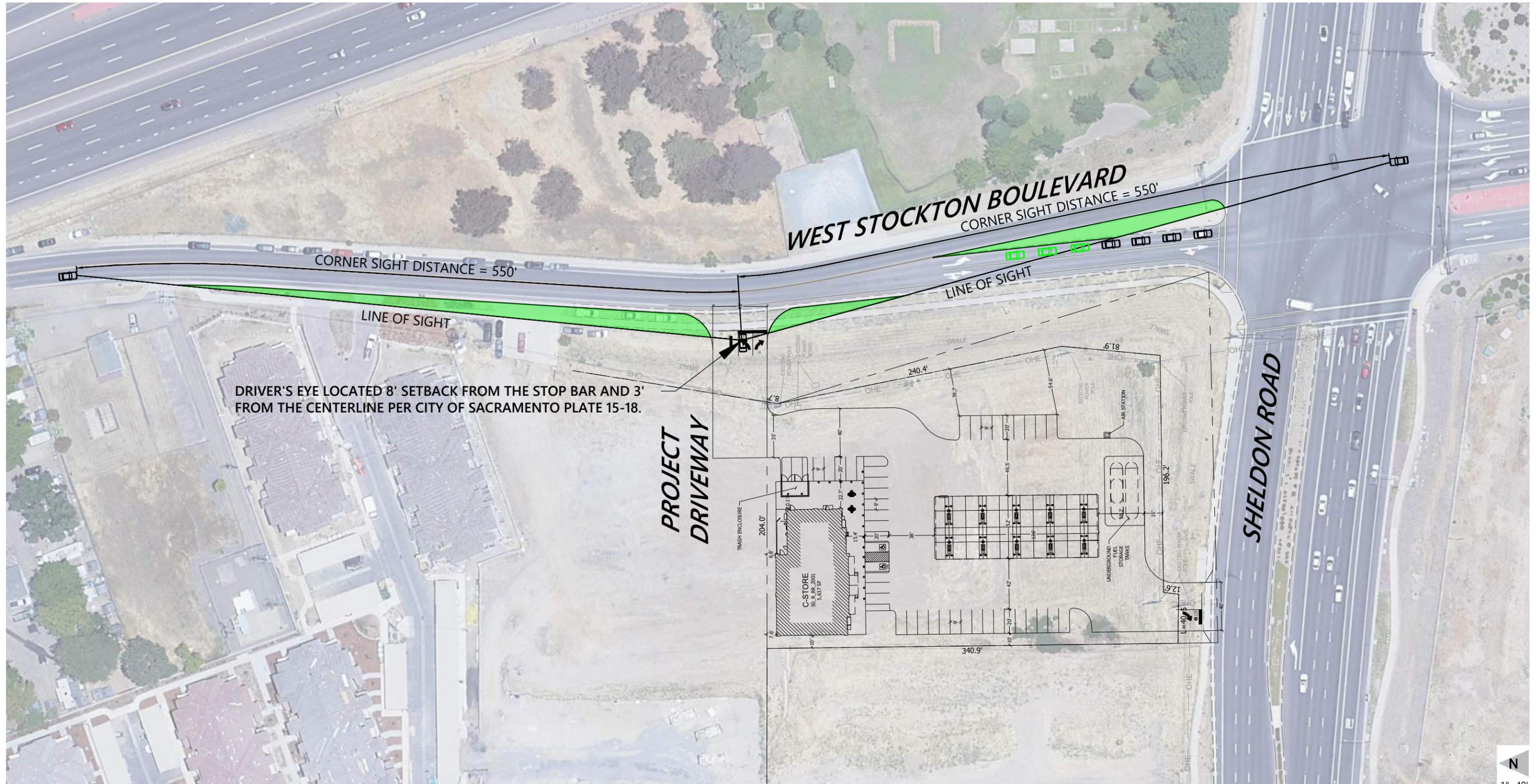
JOB NUMBER: 18-024 DRAWN BY: WLMR

SITE DESIGN CAUTIONS

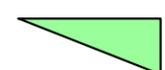
- STORM WATER STORAGE NOT BEEN CONSIDERED ON THIS PLAN
- STORE DELIVERIES
- CROSSING OF SWALE REQUIRED BETWEEN SITE AND ROADWAY
- LARGE POWER POLES ON SITE

FIT STUDY ANALYSIS 03

Option A



LEGEND:

 CORNER SIGHT DISTANCE TRIANGLE - DESIGN OF VERTICAL ELEMENTS IN THIS AREA TO BE CONSISTENT WITH HIGHWAY DESIGN MANUAL TOPIC 405.1 (2)



DESIGN SPEED:

WEST STOCKTON BOULEVARD - 50 MPH
(BASED ON SPEED SURVEY PERFORMED BY NDS ON 1/20/2021)

CORNER SIGHT DISTANCE:

CORNER SIGHT DISTANCE = 550' CALCULATED PER HIGHWAY DESIGN MANUAL TOPIC 405.1(2)

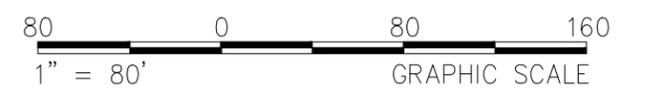


Figure 3

Corner Sight Distance Analysis
Project Driveway at West Stockton Boulevard

Spot Speed Study

Prepared by: National Data & Surveying Services

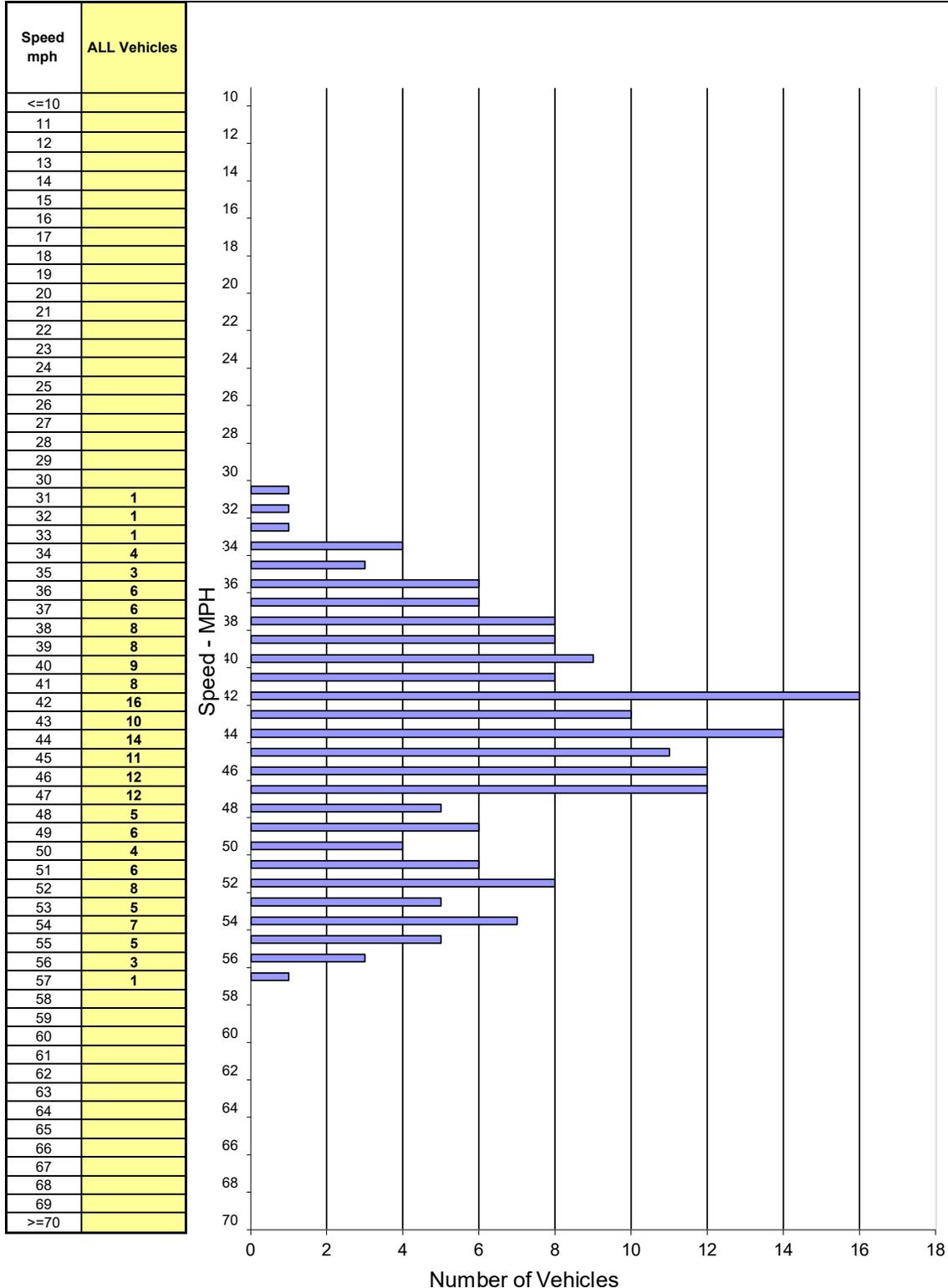
City of Sacramento

DATE: 1/20/2021
TIME: 11:00-13:00

Location: 8680 Stockton Blvd
Posted Speed: 45 MPH Clear/Dry

Project #: 21-070008-001

Northbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	180	31 - 57	44 mph	52 mph	38 - 47	108	60%	12% / 22	28% / 50

Spot Speed Study

Prepared by: National Data & Surveying Services

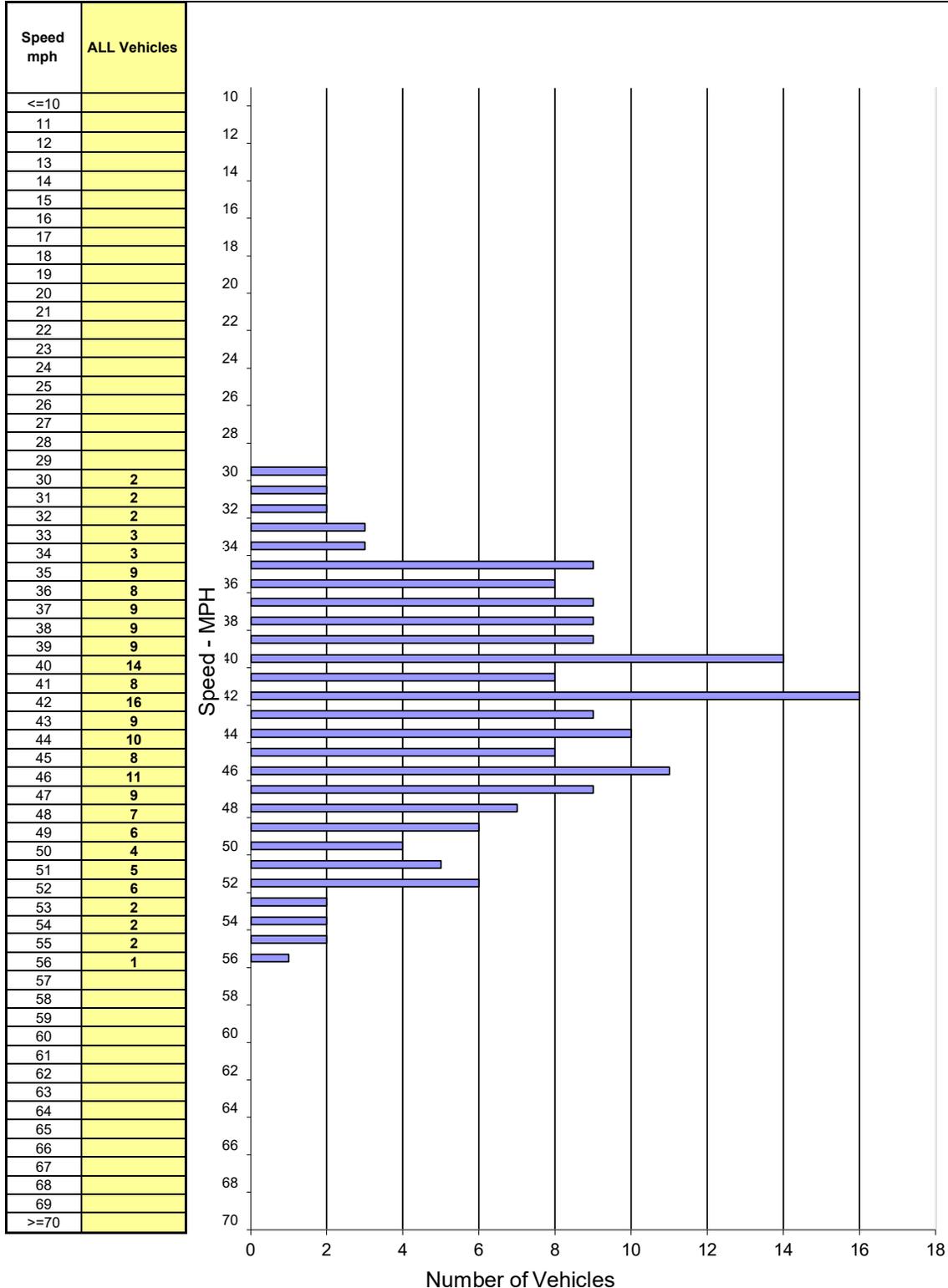
City of Sacramento

DATE: 1/20/2021
TIME: 11:00-13:00

Location: 8680 Stockton Blvd
Posted Speed: 45 MPH Clear/Dry

Project #: 21-070008-001

Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	176	30 - 56	42 mph	49 mph	37 - 46	103	59%	16% / 29	25% / 44