

Victorville CarMax Auto Superstore Project (PLAN 18-00052)

Initial Study



July 2019

INITIAL STUDY

for the

Victorville CarMax Auto Superstore Project
(PLAN18-00052)

Prepared for:

City of Victorville
14343 Civic Drive
Victorville, California 92393

Prepared by:

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July 2019

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1.0 INTRODUCTION

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1.1 DOCUMENT PURPOSE AND SCOPE

This Initial Study (IS) addresses the potential environmental impacts associated with construction and operation of an auto dealership and supporting auto service uses totaling approximately 7,590 square feet within an approximately 4.76-acre Project site.

This Initial Study is an informational document, providing the City of Victorville decision-makers, other public agencies, and the public with an objective assessment of the potential environmental impacts that could result from the Project. This IS was prepared pursuant to Section 15063 of the California Environmental Quality Act (CEQA) Guidelines.

Although this IS was prepared with consultant support, all analysis, conclusions, findings and determinations presented in the IS fully represent the independent judgment and position of the City of Victorville, acting as Lead Agency under CEQA. In accordance with the provisions of CEQA and the State and local CEQA Guidelines, as the Lead Agency, the City of Victorville is solely responsible for approval of the Project. As part of the decision-making process, the City is required to review and consider the Project's potential environmental effects.

1.2 DISPOSITION OF THIS DOCUMENT

This Initial Study has been prepared to determine the appropriate scope and focus of environmental analysis for the Project. Based on the findings and conclusions of this IS, potential environmental impacts of the Project will be evaluated within an Environmental Impact Report (EIR).

The Initial Study (IS) and accompanying Notice of Preparation (NOP) for the EIR will be available for review for a total of 30 days, and can be reviewed at:

City of Victorville
14343 Civic Drive
Victorville, California 92393

The public is encouraged to contact the City of Victorville for information regarding the Project and related CEQA processes.

1.3 DOCUMENT ORGANIZATION

This IS includes the following sections:

Introduction: Section 1.0 describes the IS CEQA context and format, and summarizes findings of the IS.

Project Description: Section 2.0 describes the Project and its objectives.

Environmental Evaluation: Section 3.0 provides background information regarding the Project and Lead Agency, and presents responses to each of the IS Checklist topics regarding potential environmental impacts of the Project. Answers provided in the Checklist are substantiated qualitatively in all instances, and quantitatively where feasible and appropriate.

Determination: Section 4.0 summarizes the IS results and presents the determination regarding the appropriate CEQA environmental documentation for the Project.

Source information cited within this IS is available through, or by contacting, the City of Victorville Development Department.

1.4 POTENTIAL ENVIRONMENTAL EFFECTS

The analysis presented in this IS indicates that the Project may result in or cause potentially significant effects related to:

- Air Quality;
- Greenhouse gas (GHG) emissions impacts, including Energy;
- Land Use and Planning;
- Noise; and
- Transportation.

Consistent with the conclusion and findings of this IS, an EIR will be prepared for the Project. At a minimum, the EIR will evaluate the Project's potential environmental impacts under the topical areas identified above. Additional issues or concerns that may be raised pursuant to the EIR NOP process and/or scoping meeting(s) conducted for the Project will also be evaluated and addressed in the EIR.

2.0 PROJECT DESCRIPTION

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2.1 OVERVIEW

The proposed Victorville CarMax Auto Superstore (Project), including all proposed facilities, on- and off-site supporting improvements, and associated discretionary actions comprise the Project considered in this Initial Study (IS). In summary, the Project proposes construction of an auto dealership and supporting auto service uses totaling approximately 7,590 square feet within an approximately 4.76-acre Project site.

2.2 PROJECT LOCATION

The Project is located in the City of Victorville in San Bernardino County. As illustrated at Figure 2.2-1, the site is located along the east side of Civic Drive, south of the intersection of Roy Rogers Drive and Civic Drive. The street address of the Project site is 14901 Civic Drive.

2.3 EXISTING LAND USES

The Project site is a vacant graded property. Properties to the north are currently vacant, beyond which are fast food restaurants. Immediately west of the site is a vacant graded pad. Farther west, across Civic Drive, are commercial uses. Southerly adjacent to the site are auto dealership uses. The easterly boundary of the site is defined by the Roy Rogers/Interstate 15 on-ramp and Interstate 15. Existing land uses in proximity to the Project site are identified at Figure 2.2-1, *Project Vicinity and Existing Land Uses*.



NOT TO SCALE
Source: Google Earth; Applied Planning, Inc.

Figure 2.2-1
Project Vicinity and Existing Land Uses

2.4 EXISTING LAND USE DESIGNATIONS

The existing Project site General Plan Land Use designation is Commercial. The Zoning designation for the Project site is Specific Plan. The site is located within the Civic Center Community Sustainability Specific Plan (Specific Plan).

The Specific Plan, adopted in 2016, encompasses 473 acres located in the central portion of the City of Victorville. The Specific Plan contains four district types: Commercial, Business, Government/Service, and Mixed-Use.

The Commercial District includes three land use designations: Community Commercial (CC-1), Civic Commercial (CC-2), and Auto Park (AP). The Project site is located within the CC-2 designation.

The sites existing CC-2 designation does not permit used vehicle sales. As adopted, the Specific Plan only allows used vehicle sales as a conditionally permitted use within the CC-1 designation. New vehicle sales are only permitted within the AP designation. The CC-2 land use designation does not permit vehicle sales as a permitted or conditionally permitted use.

To implement the Project, the Applicant has requested a Specific Plan Amendment (SPA) to conditionally allow used vehicle sales within the CC-2 designation. The Project site is located immediately adjacent to AP designated properties, and represents a logical continuation of vehicle sales type uses. Design and development of the Project would be regulated by the Specific Plan as amended under the Project.

2.5 PROJECT ELEMENTS

2.5.1 Development Concept

Table 2.5-1 summarizes the land uses and the maximum potential Project development scope evaluated in this IS. Future variations or revisions to the Project described herein, or any other substantive change to the Project evaluated in this IS would, at the discretion of the Lead Agency, be subject to subsequent environmental analysis.

Table 2.5-1
Project Development Summary

Main Dealership Sales and Service/Repair Buildings	Size
• Sales	4,312 SF
• Presentation	635 SF
• Retail Service	2,643 SF
TOTAL	7,590 SF

2.5.2 Project Facilities

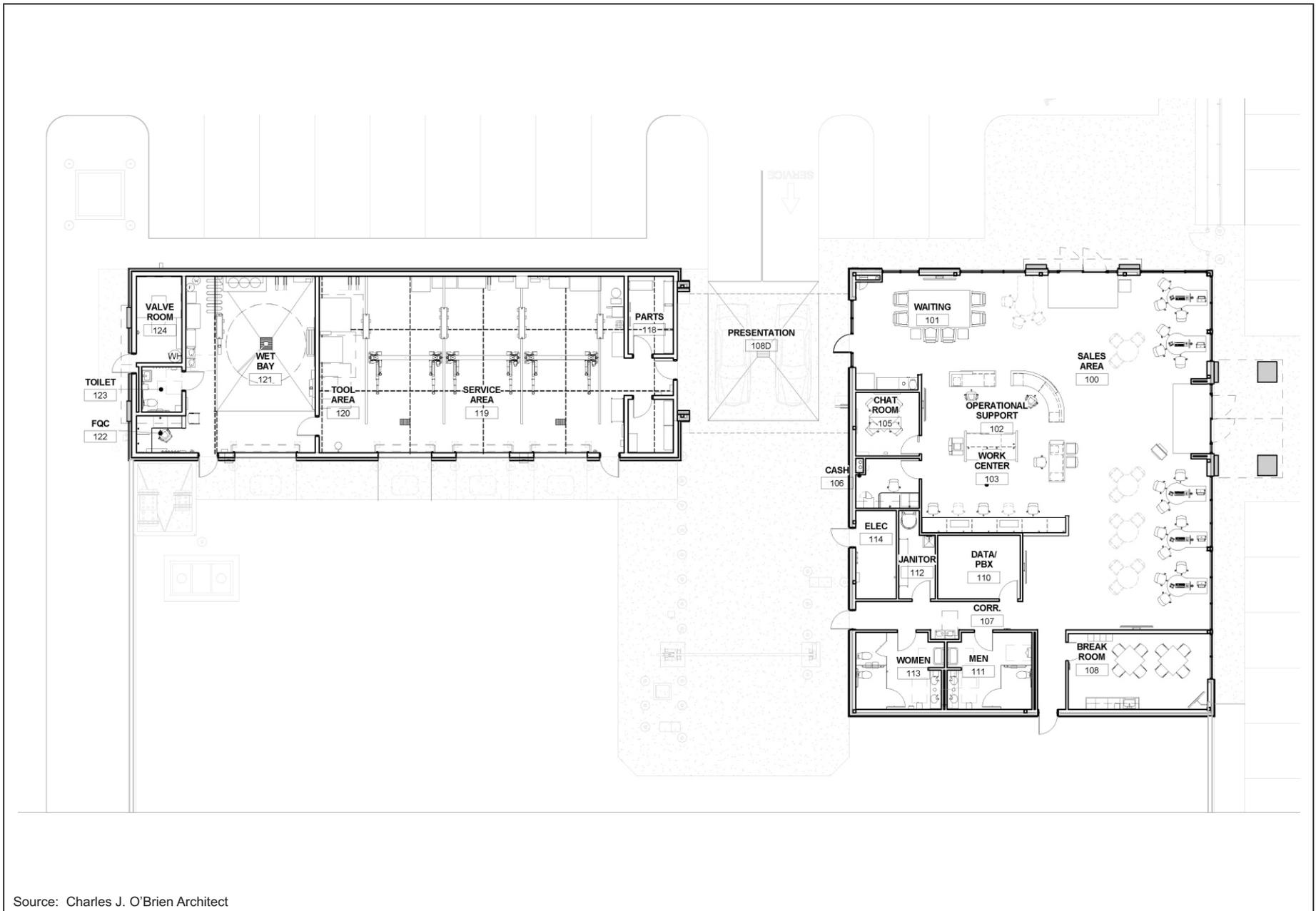
The Project building areas would comprise approximately 7,590 square feet and would accommodate sales and supporting auto service/repair facilities. The main dealership sales and service/repair building would be centrally located within the Project site.

Vehicle inventory areas would be located along the Project site's easterly I-15 frontage. Customer and employee parking areas would be located in the northwesterly portions of the Project site.

A private above-ground storage tank (AST) for fuel and associated fuel dispensing would be located within the vehicle sales staging area, in the south-central portion of the site. ASTs for oil and antifreeze would also be located adjacent to the service portion of the sales/service building. ASTs implemented by the Project would be double-walled and include an advanced monitoring system for leak detection. ASTs would be serviced and maintained by professional third-parties.¹

Please refer also to Figure 2.5-1, *Conceptual Site Plan*, and 2.5-2, *Building Floor Plan*.

¹ The storage, use, and disposal/recycling of fuel, oil, antifreeze and other hazardous or potentially hazardous materials are common activities within most urbanized communities. A stringent regulatory system has evolved around the gasoline dispensing and vehicle maintenance and repair facilities. The Applicant would comply with all local, regional, and state regulations addressing Project storage, use, and disposal/recycling of hazardous or potentially hazardous materials.



Source: Charles J. O'Brien Architect

Figure 2.5-2
Building Floor Plan

2.5.3 Project Operations

2.5.3.1 Hours of Operation

CarMax management would establish the actual Project store operating hours. Showroom sales areas of similar stores are typically open to the public Monday through Saturday from 9:00 AM to 9:00 PM with limited hours on Sundays, subject to market factors and local law. Store retail service areas are typically open to the public Monday through Friday from 7:30 AM to 6:00 PM. Associates would be present at the store before and after the public operating hours. Within this analysis, Project operations are assumed to be limited to between the hours of 7:00 AM and 10:00 PM.

2.5.3.2 Vehicle Deliveries

Vehicle carriers would enter the Project site via the proposed southern Project driveway access to Civic Drive. Vehicles would be loaded and unloaded within a designated on-site area located in the southwesterly portion of the customer/employee parking lot. Unloaded vehicles would be driven from the parking lot into the adjacent staging area to await vehicle preparation.

2.5.3.3 Sales & Marketing

CarMax dealerships physically separate inventory areas from customer and employee parking areas. This design is intended to reduce loss and improve operational efficiency and safety. All inventory display areas would be separated from the general public by means of guardrails, gates, and fencing. Ornamental wrought-iron fencing or other means acceptable to the City would be used to separate customer and employee parking areas from vehicle display areas.

Vehicular access to display areas would be controlled by security gates. Prospective customers are most commonly accompanied by an employee while inspecting vehicles for sale within the display area. Only employees would be permitted to drive cars within the display area. Emergency access would be provided to and within staging and display areas as required by the Victorville Fire Department.

2.5.3.4 Service Operations

CarMax currently offers retail routine vehicle maintenance services, as well as vehicle repairs covered under service plans. All service work would be performed inside fully air-conditioned buildings equipped with rollup doors, eliminating the need to conduct operations with open bay doors.

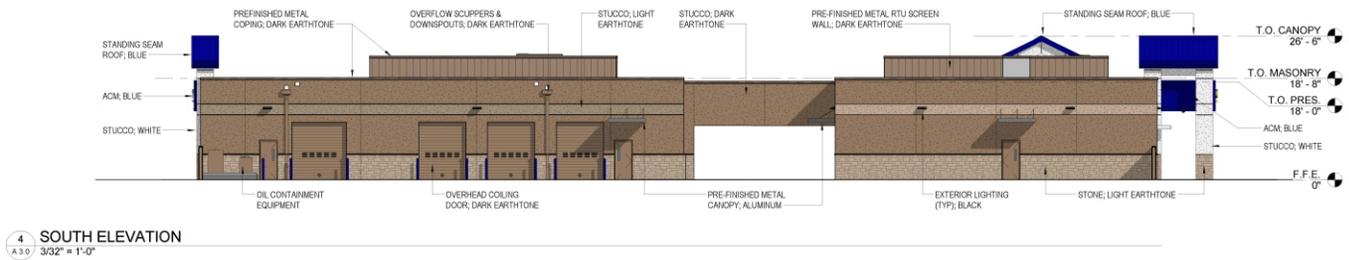
Retail service vehicles and vehicles awaiting disposition off-site would be stored in a secured non-public staging area on a temporary basis. The staging area would be secured and screened by a masonry wall, or other screening/security features considered appropriate by the City. Vehicular access to the staging area would be controlled by security gates through the use of a secured key-card.

2.5.4 Project Opening Year

Under Opening Year Conditions, all Project facilities are assumed to be occupied and fully operational. For analytic purposes, the assumed Project Opening Year is 2021.

2.5.5 CarMax Superstore Architectural Concepts

Project Architectural Concepts are presented at Figure 2.5-3. CarMax Superstore architectural concepts design elements evidence split-face block with accents of smooth earth-toned painted surfaces, and clear anodized aluminum storefront framing with blue-tinted glazing. All customer entries are pronounced with a covered tower feature constructed of white Exterior Insulation and Finish Systems (EIFS) columns and a blue standing seam gable roof. The towers feature an Aluminum Composite Material (ACM) band with the CarMax logo mounted above the entry doors. Roof-mounted equipment would be screened by a pre-finished earth-tone metal Rooftop Unit (RTU) screening and parapet walls.



Source: Charles J. O'Brien Architect

2.5.6 Vehicular Access and Circulation

Vehicular access to the Project site would be provided by two STOP-controlled driveways along Civic Drive. The Project does not require access alteration(s) or any site adjacent roadway improvements.

2.5.7 Parking

The current Project concept provides separate customer/employee (67, plus 4 handicap), staging (73), and sales display (221) parking areas. In total, 365 spaces would be provided. Within the sales display area only, and consistent with CarMax standard designs, 9' x 17' spaces and 20' drive aisles are proposed. Only employees would be permitted to drive cars within the display area. All other parking facilities, including parking stalls and drive aisles configurations, would be designed and constructed pursuant to applicable provisions of the Specific Plan and City requirements.

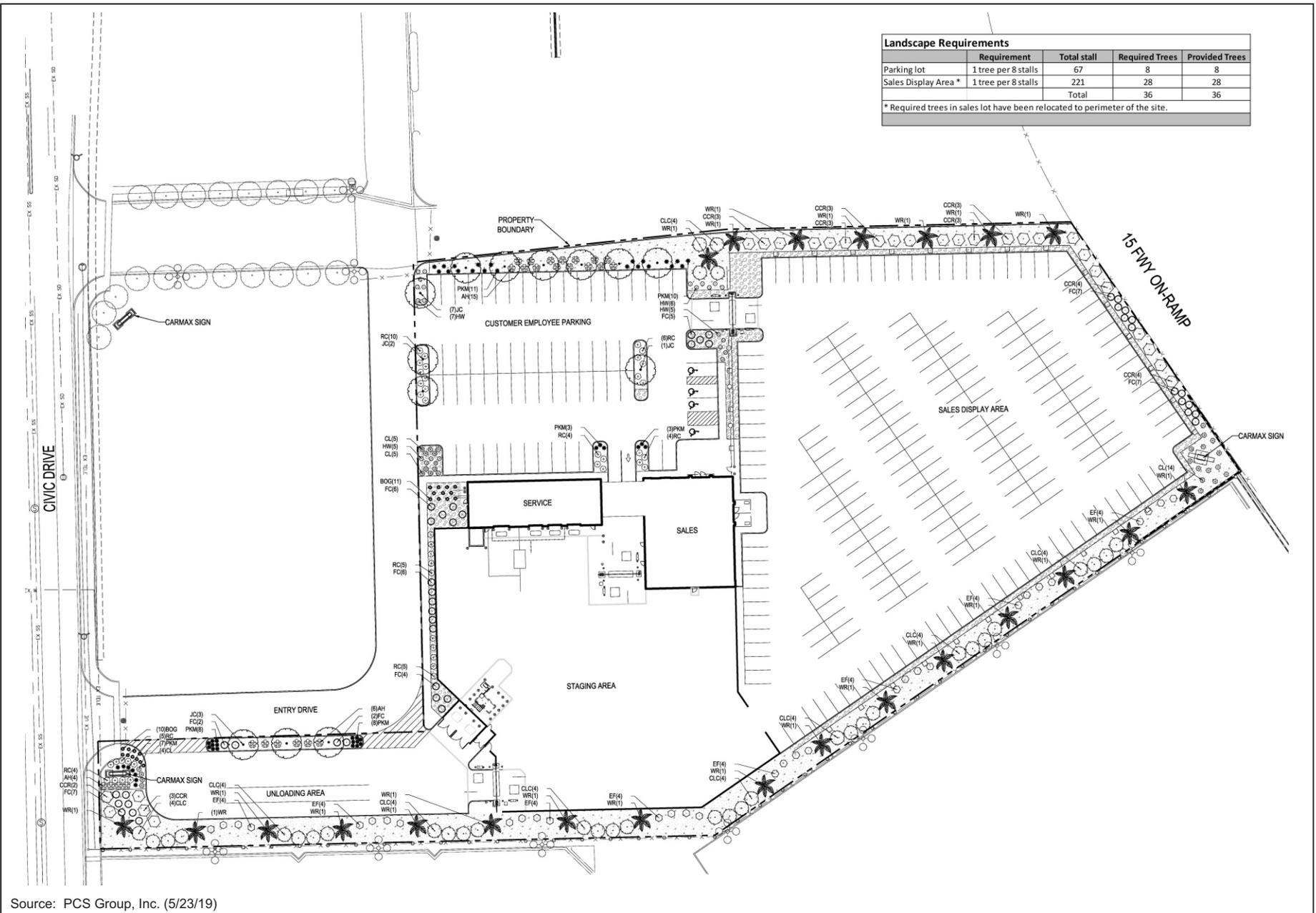
2.5.8 Landscape/Hardscape/Streetscape

Perimeter and internal landscape/hardscape features would be provided consistent with applicable provisions of the Specific Plan or as otherwise required by the City. The implemented landscape/hardscape concept would enhance the appearance of parking areas, provide shade and visual interest, define entry/access points, accentuate site and architectural features, and provide screening. The Project Landscape Concept is presented at Figure 2.5-4.

2.5.9 Other Design/Operational Elements

2.5.9.1 Lighting

CarMax employs full cutoff LED lighting fixtures, typically mounted on 26-foot tall light standards. LED fixtures would be directed and shielded to preclude substantive light overspill onto adjacent properties. Exterior lighting intensities would be reduced after dealership operating hours. Lighting in total would conform to applicable provisions of the Specific Plan and City of Victorville Zoning Ordinance, subject to review and approval by the City.



2.5.9.2 Signs

CarMax does not use flags, balloons, inflatables (animals or other), placards in open car hoods, painted window lettering or the like in its marketing. Project signage would conform to current provisions of Section 6.13, *Signage*, of the Specific Plan, subject to review and approval by the City.

2.5.9.3 Security

CarMax employs interior and exterior security cameras for asset protection.

2.5.9.4 Employee Communications

CarMax does not require or use outdoor loudspeakers to page associates. Instead, employees use cell phones to communicate with each other. Speakers would only be employed in an effort to address after-hours trespassers, should the need arise.

2.5.10 Infrastructure/Utilities

Infrastructure and utilities that would serve the Project site are summarized below.

2.5.10.1 Water/Sewer Services

Water service to the Project would be provided by Victorville Water District (VWD) via connections to existing water facilities located within adjacent roadways. City water and sanitary sewer lines exist within Civic Drive. All Project service lines would be designed, constructed, and maintained consistent with City and VWD requirements.

Wastewater generated by the Project would be conveyed for treatment by facilities operated by the Victor Valley Wastewater Reclamation Authority (VWVRA) which owns and operates regional wastewater reclamation facilities serving Apple Valley, Hesperia, Victorville, Spring Valley Lake and Oro Grande.

2.5.10.2 Storm Water Management

Construction Storm Water Management

During Project construction, a Storm Water Pollution Prevention Plan (SWPPP) would be implemented, consistent with the requirements of the City's National Pollutant Discharge Elimination System (NPDES) Permit and water quality requirements and storm water management programs specified by the Lahontan Regional Water Quality Control Board (LRWQCB).

Post-Construction Storm Water Management

The Project storm water management system comprehensively includes proposed drainage improvements, and facilities and programs which act to control and treat storm water pollutants. Parking areas within the site would be designed to capture and direct flows to catch basins placed throughout the Project site. Storm flows will confluence while traveling towards the west side of the property, and ultimately join at a proposed diversion structure.

Low flows entering the diversion structure would be directed to a proposed Continuous Deflective Separation (CDS)² unit located downstream of the diversion structure to filter and treat the first flush storm water. This treated storm water will then be stored in proposed underground chambers leading towards a proposed Drywell. High flows will bypass the diversion structure and travel towards the existing 54-inch storm drain main located along Civic Drive. All flows entering the underground chambers will be sized to satisfy the Water Quality Management Plan (WQMP) requirements for Design Capture Volume or the difference in volume between Pre- and Post- Development condition, whichever is greater. The WQMP requires a minimum design capture volume of 10,418.60 cubic feet. The Project would provide an underground storage chamber to satisfy the WQMP conditions by providing a minimum storage capacity of 10,500 cubic

² The CDS is a swirl concentrator hybrid technology that uses continuous deflective separation – a combination of swirl concentration and indirect screening to screen, separate and trap debris, sediment, and hydrocarbons from storm water runoff. The indirect screening capability of the system allows for 100% removal of floatables and neutrally buoyant material debris 2.4mm or larger, without binding. CDS retains all captured pollutants, even at high flow rates, and provides easy access for maintenance.

feet of volume. This proposed underground storage will lead into a proposed Drywell onsite. Therefore, storm water runoff from the Project site would not increase under post-development conditions.

2.5.10.3 Solid Waste Management

It is anticipated that Project-generated solid waste would be collected and conveyed by existing service providers to the Victorville Landfill, which is located northerly of the City, at 18600 Stoddard Wells Road. Additionally, a Materials Recycling Facility (MRF) is located within the City. The MRF provides processing of residential and mixed commercial recyclables generated within the City of Victorville and the Town of Apple Valley.

2.5.10.4 Electricity

Electrical service to the Project would be provided by Southern California Edison (SCE). New lines installed pursuant to the Project would be placed underground. Alignment of service lines and connection to existing services would be as required by SCE. Surface-mounted equipment, such as transformers, meters, and service cabinets would conform to building setback requirements outlined in the Specific Plan, or as otherwise required by the City and SCE.

To allow for, and facilitate, Project construction activities, provision of temporary SCE electrical services improvements would be required. The scope of such temporary improvements is considered to be consistent with and reflected within the total scope of development proposed by the Project.

2.5.10.5 Natural Gas

Natural gas service would be provided by the Southwest Gas Corporation. Existing service lines would be extended to the Project uses. Alignment of service lines and connection to existing services would be as required by the Southwest Gas Corporation.

2.5.10.6 Communications Services

Communications services, including wired and wireless telephone and internet services are available through numerous private providers and would be provided on an as-needed basis. As with electrical service lines, all existing and proposed wires, conductors, conduits, raceways, and similar communications improvements within the Project area would be installed underground. Any necessary surface-mounted equipment, e.g., terminal boxes, transformers, meters, service cabinets, etc., would be screened and would conform to building setback requirements outlined in the Specific Plan, or as otherwise required by the City.

2.5.11 Fire Protection and Police Protection Services

Police and fire protection services are currently available to the Project site and are described below.

- **Fire Protection Services:** Fire protection and emergency response services for the Project and the City of Victorville are provided by the Victorville Fire Department. The City also participates in the Regional Fire Protection Authority (RFPA), which ensures provision of fire protection and emergency services under mutual aid agreements with San Bernardino County.
- **Police Protection Services:** Police protection for the Project site and vicinity properties is currently provided by the Victorville Police Department, as a contract service of the San Bernardino County Sheriff Department.

2.5.12 Schools, Parks and Other Public Services

The City also provides or facilitates provision of a range of other services that would be generally available to the Project patrons and employees. These services include, but are not limited to: educational services, library services, arts and entertainment, and human services. These services and associated facilities are generally programmed and implemented in response to residential development and demands of resident populations. The Project commercial uses would not substantively affect the City's

resident population. As such, facilities proposed by the Project would not affect schools, parks, or other public services or their availability.

2.5.13 Energy Efficiency/Sustainability

Energy-saving and sustainable design features and operational programs would be incorporated in the Project facilities pursuant to California Green Building Standards Code (CALGreen; CCR, Title 24, Part 11) as implemented by the City of Victorville.

2.5.14 Construction Traffic Management Plan

Temporary and short-term traffic detours and traffic disruptions could result during Project construction activities including implementation of access and circulation improvements noted above. Accordingly, the Project Applicant would be responsible for the preparation and submittal of a construction area traffic management plan (Plan) to be reviewed and approved by the City. Typical elements and information incorporated in the Plan would include, but would not be limited to:

- **Name of on-site construction superintendent and contact phone number.**
- **Identification of Construction Contract Responsibilities** - For example, for excavation and grading activities, describe the approximate depth of excavation, and quantity of soil import/export (if any).
- **Identification and Description of Truck Routes** - to include the number of trucks and their staging location(s) (if any).
- **Identification and Description of Material Storage Locations (if any).**
- **Location and Description of Construction Trailer (if any).**
- **Identification and Description of Traffic Controls** - Traffic controls shall be provided per the Manual of Uniform Traffic Control Devices (MUTCD) if the occupation or closure of any traffic lanes, parking lanes, parkways or any other

public right-of way is required. If the right-of-way occupation requires configurations or controls not identified in the MUTCD, a separate traffic control plan must be submitted to the City for review and approval. All right-of-way encroachments would require permitting through the City.

- **Identification and Description of Parking** - Estimate the number of workers and identify parking areas for their vehicles.
- **Identification and Description of Maintenance Measures** - Identify and describe measures taken to ensure that the work site and public right-of-way would be maintained (including dust control).

The Plan would be reviewed and approved by the City prior to the issuance of the building permit. The Plan and its requirements would also be provided to all contractors as one required component of building plan/contract document packages.

2.6 PROJECT OBJECTIVES

The primary goal of the Project is the redevelopment of the subject site with a car dealership use that responds to local and regional car sales market demands. Supporting objectives of the Project include the following:

- Transition and repurpose the subject site to a useful productive commercial auto dealership and services facility. Benefits would include new sales tax revenues and increased property tax revenues.
- Preserve and enhance visual attributes of the Project site.
- Provide car dealership sales and service facilities that are responsive to community needs and that are compatible with proximate land uses.
- Take advantage of access and visual recognition provided by the Project site's adjacency to the I-15 freeway.

- Implement employment-generating land uses that would create new jobs available to City residents.
- Take advantage of available infrastructure.

2.7 DISCRETIONARY APPROVALS AND PERMITS

Discretionary actions, permits and related consultation(s) necessary to approve and implement the Project include, but are not limited to, the following.

2.7.1 Lead Agency Discretionary Actions and Permits

- **CEQA Compliance.** The City must certify the Environmental Impact Report prior to, or concurrent with, any approval of the Project.
- **Specific Plan Amendment.** To implement the Project uses, the Applicant has requested approval of an amendment to the Civic Center Community Sustainability Plan to conditionally allow the proposed uses.
- **Site Plan Review and Approval.** The Project uses, and their proposed configurations are subject to review and approval by the City.
- **Parcel Map Approval.**
- **Conditional Use Permit.** The Project would require a Conditional Use Permit to allow a used vehicle sales operation within the CC-2 zone of the Specific Plan.
- **Architectural Review and Approval.** Architectural designs of the Project facilities are subject to review and approval by the City.
- **Other City Permits.** Various other City of Victorville such as construction, grading, and encroachment permits are required to allow implementation of the Project facilities.

2.7.2 Other Agency Consultation and Permits

Anticipated consultation(s) and permits from agencies other than City that would be necessary to realize the proposal would likely include, but are not limited to, the following:

- Consultation with requesting Tribes as provided for under *AB 52, Gatto. Native Americans: California Environmental Quality Act*; and *SB 18, Burton. Traditional tribal cultural places*.
- Permitting may be required by/through the Regional Water Quality Control Board (RWQCB) pursuant to requirements of the City's National Pollutant Discharge Elimination System (NPDES) Permit;
- Permitting may be required by/through the Mojave Desert Air Quality Management District (MDAQMD) for certain equipment or land uses that may be implemented within the Project area; and
- Various construction, grading, and encroachment permits allowing implementation of the Project facilities.

3.0 ENVIRONMENTAL EVALUATION

3.0 ENVIRONMENTAL EVALUATION

3.1 PROJECT TITLE

Victorville CarMax Auto Superstore Project

3.2 LEAD AGENCY NAME AND ADDRESS

City of Victorville

Development Department

Attn: Travis Clark, Associate Planner

14343 Civic Drive

Victorville, California 92393

3.3 PROJECT APPLICANT

Centerpoint Integrated Solutions

Brad Lauth, Development Manager

355 Union Boulevard, Suite 301

Lakewood, CO 80228

3.4 PROJECT LOCATION

The 4.76-acre Project site is located just west of Interstate 15 (I-15), on the east side of Civic Drive, south of Roy Rogers Drive in the City of Victorville. The site is currently vacant, graded property. Please refer also to Section 2.0, *Project Description*, Figure 2.2-1.

3.5 EXISTING AND PROPOSED GENERAL PLAN, ZONING DESIGNATIONS

The existing General Plan Land Use designation of the site is Commercial. The Zoning designation for the site is Specific Plan. The site is located within the Civic Center Community Sustainability Specific Plan (Specific Plan).

Within the Specific Plan, the site is designated as Civic Commercial (CC-2). The site's existing land use designation does not permit vehicle sales as a permitted or conditionally permitted use. To implement the Project, the Applicant has requested a Specific Plan Amendment (SPA) to conditionally allow used vehicle sales within the CC-2 designation. The Project site is located immediately adjacent to Auto Park (AP) designated properties, and represents a logical continuation of auto dealership uses. Design and development of the Project would be regulated by the Specific Plan as amended under the Project.

3.6 PREVIOUS ENVIRONMENTAL DOCUMENTATION, DOCUMENTS INCORPORATED BY REFERENCE

Section 15150 of the State *CEQA Guidelines* permits and encourages that an environmental document incorporate by reference other documents that provide relevant data. The documents outlined in this Section are hereby incorporated by reference, and the pertinent material is summarized throughout this Initial Study. All documents incorporated by reference are available through the City of Victorville Development Department.

- **Victorville General Plan and Zoning Code.** The City of Victorville General Plan (General Plan) establishes Goals and Policies and provides guidance for future development of the City. The General Plan provides the guidance necessary for successful implementation of General Plan Policies.

The Victorville General Plan was developed consistent with State of California General Plan Guidelines and contains the following state-mandated elements: Land Use, Circulation, Housing, Resource, Noise, and Safety. All proposed development projects within the City are evaluated for consistency with the intent and purpose of the applicable General Plan land use designation(s) and related General Plan Policies.

3.7 EXPLANATION OF CHECKLIST CATEGORIES

“No Impact” applies where the impact simply does not apply to projects like the one involved. For example, if the project site is not located in a fault rupture zone, then the item asking whether the project would result in or expose people to potential impacts involving fault rupture should be marked as “No Impact.”

“Less-Than-Significant Impact” applies where the impact would occur, but the magnitude of the impact is considered insignificant or negligible. For example, a development which would only slightly increase the amount of surface water runoff generated at a project site would be considered to have a less-than-significant impact on surface water runoff.

“Potentially Significant Unless Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less-Than-Significant Impact.” Incorporated mitigation measures should be outlined within the checklist and a discussion should be provided which explains how the measures reduce the impact to a less-than-significant level. This designation is appropriate for a Mitigated Negative Declaration, where potentially significant issues have been analyzed and mitigation measures have been recommended.

“Potentially Significant Impact” applies where the project has the potential to cause a significant and unmitigable environmental impact. If there are one or more items marked as “Potentially Significant Impact,” an EIR is required.

3.8 INITIAL STUDY CHECKLIST AND SUBSTANTIATION

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
I. AESTHETICS. Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to trees, rocks, outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare, which would adversely affect the day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Substantiation:

- a) *No Impact.* The Project site is not located within a scenic vista or along a scenic highway; nor does the Project propose elements that would affect scenic vistas or scenic resources within a designated scenic highway. Development of the Project would result in no impacts to scenic vistas.
- b) *No Impact.* There are no existing or proposed State scenic highways located within the City of Victorville. As such, the Project does not have the potential to damage

scenic resources, including, but not limited to trees, rocks, outcroppings, and historic buildings within a state scenic highway.

- c) *Less-Than-Significant Impact.* Design and development of the Project would be regulated by the Specific Plan as amended under the Project. The proposed Civic Center Community Sustainability Specific Plan Amendment (SPA) is provided at IS Appendix A. In instances where the Specific Plan is silent, the Project would comply with Municipal Code standards determined applicable by the City. Additionally, the Project uses and their proposed configurations and architectural designs would be subject to review and approval by the City.

Project compliance with the Specific Plan and requirements articulated through the City Site Plan Review and Architectural Review processes would preclude the potential for the Project to substantially degrade the existing visual character or quality of public views of the site and its surroundings or conflict with applicable zoning and other regulations governing scenic quality. Impacts in this regard are considered less-than-significant.

- d) *Less-Than-Significant Impact.* As mentioned in Section 2.0, *Project Description*, CarMax employs full cutoff LED lighting fixtures, typically mounted on 26-foot tall light standards. LED fixtures would be directed and shielded to preclude substantive light spill onto adjacent properties. Exterior lighting intensities would be reduced after dealership operating hours.

All Project lighting would conform to applicable provisions of the Specific Plan and City of Victorville Zoning Ordinance, subject to review and approval by the City. Compliance with the Specific Plan and City Municipal Code standards would ensure that any potential light and glare impacts would be less-than-significant.

Sources: City of Victorville General Plan 2030; Draft Program Environmental Impact Report, City of Victorville General Plan 2030 (SCH NO. 2008021086); Civic Center Community Sustainability Specific Plan; Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
<p>II. AGRICULTURE AND FOREST RESOURCES - In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state’s inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the Project:</p>				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Substantiation:

- a) *No Impact.* No Farmlands of Statewide Importance, Unique Farmlands or Farmlands of Local Importance occur within the City. The Project site is not designated as Prime Farmland, and no portions of the Project site are currently under active cultivation. Based on the preceding, the Project would have no potential to convert Farmland to non-agricultural uses.

- b) *No Impact.* The subject site is not zoned for agricultural uses, nor designated for agricultural purposes by the City's General Plan. Further, no Williamson Act contracts are in place for the proposed Project site. Based on the preceding, the Project would have no potential to conflict with existing zoning for agricultural uses, or conflict with Williamson Act contracts.

- c, d) *No Impact.* No timberland or forest land uses, or properties zoned for timberland or forest land use are located on the Project site or its the vicinity. The Project does not propose or require facilities or uses that would otherwise potentially affect timberland or forest lands.

Based on the preceding, the Project would have no potential to conflict with existing zoning for, or cause rezoning of, forest land; or result in the loss of forest land or conversion of forest land to non-forest use.

- e) *No Impact.* Please refer to discussions at Items II. a – c).

Sources: City of Victorville General Plan 2030; Draft Program Environmental Impact Report, City of Victorville General Plan 2030 (SCH NO. 2008021086); Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
III. AIR QUALITY - Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Expose sensitive receptors to substantial pollutant concentrations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Substantiation:

- a) *Potentially Significant Impact.* The Project site is located within the Mojave Desert Air Basin (MDAB), under the jurisdiction of Mojave Desert Air Quality Management District (MDAQMD, District). The District has jurisdiction over the desert portion of San Bernardino County and the far eastern end of Riverside County. This region includes the incorporated communities of Adelanto, Apple Valley, Barstow, Blythe, Hesperia, Needles, Twentynine Palms, Victorville, and Yucca Valley. The District has primary responsibility for regulating stationary sources of air pollution located within its jurisdictional boundaries. To this end, the District implements air quality programs required by state and federal mandates, enforces rules and regulations based on air pollution laws and educates businesses and residents about their role in protecting air quality. Development of the Project could result in the production of additional criteria air pollutants which may interfere with, or obstruct, the

District's implementation of the Air Quality Management Plan. These potential impacts will be addressed in the EIR, and mitigation measures will be developed to address any potentially significant impacts.

- b,c) *Potentially Significant Impact.* Construction activities associated with Project implementation are temporary sources of fugitive dust and construction vehicle emissions. Additionally, implementation of the Project would result in land uses that will generate vehicular trips and associated vehicular-source air pollutant emissions. Ongoing occupation and use of Project facilities would also result in energy consumption, primarily associated with heating and air conditioning, which will also generate air pollutant emissions. Construction-source and operational-source emissions resulting from the Project may contribute to existing and projected exceedances of criteria pollutants within the basin. Air quality impacts of the Project, and mitigation measures addressing those impacts will be discussed in the EIR. The EIR will also evaluate potential impacts of increased air pollution levels on sensitive receptors, and propose mitigation measures, or alternatives to the Project, to reduce or avoid any potentially significant impacts.
- d) *Less-Than-Significant Impact.* The Project is not expected to result in emissions not identified in the preceding discussions. Temporary, short-term odor releases are potentially associated with Project construction activities. Potential sources of odors include but are not limited to: asphalt/paving materials, glues, paint, and other architectural coatings. Construction-related odor impacts are mitigated by established requirements for a material handling and procedure plan, which identifies odor sources, odor-generating materials and quantities permitted on site, and isolation/containment devices or mechanisms to prevent significant release of odors.

Long-term operations of the Project would include uses that are not anticipated to create significant objectionable odors. However, the Project will generate solid waste, which must be disposed of in a timely manner. Therefore, in accordance with current best management practices, and applicable Victorville Municipal Code

requirements, all wastes are to be disposed of in covered receptacles and routinely removed, thereby limiting the escape of odors to the open air. It is expected that odors associated with the proposed land uses would quickly dissipate and would not adversely affect adjacent properties. Based on the preceding discussion, the potential for the Project to result in other emissions (such as those leading to odors) adversely affecting a substantial number of people is considered less-than-significant.

Sources: Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES. Would the Project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
migratory wildlife corridors, or impede the use of wildlife nursery sites?				
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Substantiation:

- a) *Less-Than-Significant With Mitigation Incorporated.* To assess the potential for the Project to have a substantial adverse effect on any species identified as a candidate, sensitive, or special status species, a Project-specific Biological Resources Assessment was conducted (Biological Resources Assessment for APNs: 3106-261-26 (Parcel 3), 3106-261-27 (Parcel 4), 3106-261-28 (Parcel 5), and 3106-261-29 (Parcel 6) in the City of Victorville, San Bernardino County, California [Rincon Consultants, Inc.] May 18, 2018). The Assessment is presented as IS Appendix B, and is summarized in the following discussions.

Vegetation

The Project site consists of a patchy, ruderal vegetation community dominated by non-native Russian thistle (*Salsola tragus*), with lower abundances of the following non-native, weedy plant species: red brome (*Bromus madritensis*), cheatgrass (*Bromus tectorum*), redstem filaree (*Erodium cicutarium*), short podded mustard (*Hirschfeldia incana*), foxtail barley (*Hordeum murinum*), and Mediterranean grass species (*Schismus* ssp.). Sparse occurrences of native plants include freckled milk vetch (*Astragalus lentiginosus* var. *varibilis*), rubber rabbitbrush (*Ericameria nauseosa*), and little-leaved Mojave indigo bush (*Psoralea argemonea* var. *minutifolius*).

No special-status plant species were observed during the reconnaissance survey. In addition, the California Natural Diversity Database (CNDDDB) contained no records of any special-status plant species occurring on the Project site. The Biological Resources Assessment concluded that no special-status species have potential to occur on-site due to a lack of habitat, soil requirements, and/or known distribution/elevation ranges. In addition, the habitat present on-site is highly disturbed as evidenced by scattered trash, low vegetative cover, and presence of invasive plant species which further reduces the potential for special-status species to occur on-site.

Wildlife

Only four species of wildlife were observed during the survey: rock pigeon (*Columba livia*), common raven (*Corvus corax*), horned lark (*Eremophila alpestris*), and house sparrow (*Passer domesticus*). Due to the site's high levels of existing disturbance, the site is likely subject to high levels of noise and human activity which would likely deter most wildlife from long-term use of the Project site. In addition, the site is surrounded by development and completely isolated from larger expanses of habitat to the west and north which would further inhibit use of the Project site by transient wildlife. No special-status wildlife species were observed on-site, nor are any expected to occur.

Sparse herbaceous desert vegetation on-site and ornamental trees located on adjacent properties could provide suitable nesting habitat for at least one common avian species that occurs within the Project site. Common species such as horned larks, which are ground nesters, have the potential to nest in habitats containing sparse vegetation, even in highly disturbed urban settings. Impacts to nesting birds generally is considered a potentially significant impact. The following mitigation is incorporated as protection for nesting birds that may be affected by Project construction activities.

BIO-1 If Project activities must occur during the avian nesting season (February to September), a survey for active nests must be conducted by a qualified biologist, one to two weeks prior to the activities. If active nests are identified and present onsite, clearing and construction within 50-250 feet of the nest, depending on the species involved (50 feet for common urban-adapted native birds and up to 250 feet for raptors), shall be postponed until the nest is vacated and juveniles have fledged, and there is no evidence of a second attempt at nesting. Limits of construction to avoid a nest site shall be established in the field by a qualified biologist with flagging and stakes or construction fencing. Construction personnel shall be instructed regarding the ecological sensitivity of the fenced area. If construction must occur within this buffer, it shall be conducted at the discretion of a qualified biological monitor to assure that indirect impacts to nesting birds are avoided.

With the incorporation of Mitigation Measure BIO-1, the potential for the Project to have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service is considered less-than-significant.

b,c) *No Impact.* To assess the potential for the Project to have a substantial adverse effect on any riparian habitat or wetlands areas, a Project-specific Surface Water and Wetlands Evaluation was conducted (*Surface Water and Wetlands Evaluation for APNs: 3106-261-26 (Parcel 3), 3106-261-27 (Parcel 4), 3106-261-28 (Parcel 5), and 3106-261-29 (Parcel 6) in the City of Victorville, San Bernardino County, California* [Rincon Consultants, Inc.] May 18, 2018). The evaluation concluded that, based on review of aerial imagery, online data, and the reconnaissance survey, no surface wetland or water features, including riparian vegetation community, are present on-site. As such, development of the Project would have no impact on any riparian habitat or wetlands areas. The Surface Water and Wetlands Evaluation is included within Appendix B.

- d) *Less-Than-Significant Impact*. This site is not located within a mapped wildlife movement corridor. The Project site is located adjacent to existing development and heavily traveled transportation corridors, including Interstate 15. Due to the disturbed nature of the Project site and surrounding roadways and development, the potential for native wildlife species to use the Project site as a migratory corridor is unlikely. On this basis, the potential for the Project to interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of wildlife nursery sites is considered less-than-significant.
- e,f) *No Impact*. No resources protected by local ordinances or policies are present on-site. The Project site is located within the West Mojave Plan (WMP) Area; however, the City of Victorville is not a signatory to the WMP. The Project site is also located within the area covered under the Desert Renewable Energy Conservation Plan (DRECP). The Project proposes commercial uses and does not comprise a renewable energy project. The DRECP is not applicable to this Project. Based on the preceding, the Project does not have the potential to conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.

Sources: *Biological Resources Assessment for APNs: 3106-261-26 (Parcel 3), 3106-261-27 (Parcel 4), 3106-261-28 (Parcel 5), and 3106-261-29 (Parcel 6) in the City of Victorville, San Bernardino County, California* [Rincon Consultants, Inc.] May 18, 2018; *Surface Water and Wetlands Evaluation for APNs: 3106-261-26 (Parcel 3), 3106-261-27 (Parcel 4), 3106-261-28 (Parcel 5), and 3106-261-29 (Parcel 6) in the City of Victorville, San Bernardino County, California* [Rincon Consultants, Inc.] May 18, 2018; Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
V. CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Substantiation:

a,b) *Less-Than-Significant With Mitigation Incorporated.* To assess potential impacts to cultural resources, a Phase I Cultural Resources Assessment (*Phase I Cultural Resource Assessment for the CarMax Victorville Project, City of Victorville, San Bernardino County, California* (Applied EarthWorks, Inc.) June 2018) has been conducted. The Assessment included a records search and literature review, communication with Native American tribal representatives, and an archaeological field survey of the Project area.

Based on research conducted as part of the Cultural Resources Assessment, no prehistoric resources and only four historical archaeological resources have been documented previously within a 1-mile radius of the Project area. The field survey identified no archaeological or built-environmental resources within the Project area. Because the terrain throughout the entire Project area has been disturbed extensively by modern grading and other activities, it is unlikely that buried archaeological remains are present.

Although the Cultural Resources Assessment concluded that no further cultural resource management of the property was required, the following mitigation is included in the event that archaeological materials are encountered during construction. Please refer also to Mitigation Measures TR-1 through TR-3, presented at checklist item XVIII, *Tribal Cultural Resources*.

CR-1 In the event that archaeological materials are encountered during Project-related ground disturbing activities, all work must be halted in the vicinity of the find until a qualified archaeologist can visit the site of discovery and assess the significance of the find. If significant archaeological remains are encountered, the impacts of the Project must be mitigated pursuant to CEQA. Any such discoveries, and subsequent evaluation and treatment, should be documented in a cultural resource monitoring and treatment report, which should be submitted to the South Central Coastal Information Center (SCCIC) for archival purposes.

With the incorporation of Mitigation Measure CR-1, the potential for the Project to cause a substantial adverse change in the significance of a historical or archaeological resource is considered less-than-significant.

- c) *Less-Than-Significant Impact.* The likelihood of encountering human remains in the course of Project development is minimal. However, as required by California Health and Safety Code Section 7050.5, should human remains be found, no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains were found to be prehistoric, the coroner would coordinate with the California Native American Heritage Commission as required by State law. Based on compliance with these existing regulations, the Project's potential to disturb human remains including those interred outside of formal cemeteries is considered less-than-significant.

Sources: *Phase I Cultural Resource Assessment for the CarMax Victorville Project, City of Victorville, San Bernardino County, California* (Applied EarthWorks, Inc.) June 2018; Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
VI. ENERGY. Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Substantiation:

a,b) *Potentially Significant Impact.* The proposed Victorville CarMax Auto Superstore proposes construction of an auto dealership and supporting auto service uses totaling approximately 7,590 square feet. The EIR will analyze the potential for the wasteful, inefficient, or unnecessary consumption of energy resources during short-term construction or long-term operations of the Project. The Project’s compliance with any state or local energy plans will also be assessed.

Sources: Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
VII. GEOLOGY AND SOILS. Would the Project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
f) Directly or indirectly destroy a unique paleontological resource or site or unique geological feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Substantiation:

To evaluate potential impacts in this regard, a site-specific Geotechnical Study has been completed for the Project site. The report (*Revised Report of Geotechnical Study, Proposed Automotive Dealership, 3 Parcel Lot East of Civic Drive, Victorville, California* [Kleinfelder] August 30, 2018) is provided at Appendix C to this IS.

a,i) *Less-Than-Significant Impact.* According to the Resource Element of the Victorville General Plan, five fault systems have the potential to affect the City including the San Andreas, Helendale, North Frontal, Landers, and San Jacinto faults. However, there are no known active or potentially active faults, with known surface traces, traversing the City of Victorville. The site is not located within an Alquist-Priolo Special Study Zone. Additionally, the Geotechnical Study concluded that based on the distance to known active faults, surface rupture at the site is considered low. As such, the potential for the Project to directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury or death involving rupture of a known earthquake fault is therefore considered less-than-significant.

a,ii) *Less-Than-Significant Impact.* The Project site is located in a region known to be seismically active and strong seismic ground-shaking is anticipated during an earthquake. However, because the site is not located in an Alquist-Priolo Fault Study Zone, potential impacts would not be higher at the Project site than elsewhere in the region.

As part of the City’s standard review and approval of development projects, any new development must provide a geotechnical study for review and approval by the City Engineer, and comply with the requirements of the approved geotechnical

report and Uniform Building Code (UBC) or California Building Code (CBC), as appropriate. The Geotechnical Study prepared for the Project presents site-specific design and construction requirements, and concludes that "...the proposed project is geotechnically feasible, provided the recommendations presented in this report are incorporated into the project design and construction." (Geotechnical Study, p. 9). Compliance with these requirements would reduce potential risks in this regard to acceptable levels. The Project does not propose uses or activities that would contribute to or exacerbate any existing strong seismic groundshaking hazard conditions. Based on the preceding, the potential for the Project to expose people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving strong seismic groundshaking is considered less-than-significant.

a,iii) *Less-Than-Significant Impact.* Liquefaction and seismically induced settlement or ground failure are generally associated with strong seismic shaking in areas where ground water tables are at relatively shallow depths (within 50 feet of the ground surface) and/or when the area is underlain by loose, cohesionless deposits. During a strong groundshaking event, saturated, cohesionless soils may acquire a degree of mobility to the extent that the overlying ground surface distorts. In extreme cases, saturated soils become suspended in groundwater and become fluid-like.

Groundwater was not encountered within the exploratory borings (maximum depth of 50 feet below ground surface) performed as part of the Geotechnical Study. The Study determined that the potential for liquefaction on the site is considered remote. Based on the preceding, the potential for the Project to expose people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving liquefaction is considered less-than-significant.

a,iv) *Less-Than-Significant Impact.* Landslides and other forms of mass wasting, including mud flows, debris flows, soil slips, and rock falls occur as soil or rock moves down slope under the influence of gravity. Landslides are frequently triggered by intense rainfall or seismic shaking. The site is not located within a State or county designated

landslide hazard zone. The Geotechnical Study concluded that risk at the site from landslides is very low. Based on the preceding, the potential for the Project to expose people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving landslides is considered less-than-significant.

- b) *Less-Than-Significant Impact.* Construction activities associated with the proposed Project would temporarily expose underlying soils, thereby increasing their susceptibility to erosion until the Project is fully implemented. Potential erosion impacts incurred during construction activities are mitigated below the level of significance through the Project's mandated compliance with a City-approved Storm Water Pollution Prevention Plan (SWPPP). Further, the proposal involves the redevelopment of a portion of an already-developed site; as such, the Project does not propose to significantly alter existing topography and would not substantively affect existing erosion conditions. As supported by the preceding discussions, the potential for the Project to result in substantial soil erosion or the loss of topsoil is considered less-than-significant.
- c) *Less-Than-Significant With Mitigation Incorporated.* The Geotechnical Study provides recommendations regarding grading, site preparation, and building foundations; and concludes that development of the site is feasible from a geotechnical standpoint, provided that the recommendations of the Study are included within the Project design and construction processes. As such, the following mitigation is required.

GEO-1 Prior to the issuance of grading permits, and to the satisfaction of the City, the Project Applicant shall ensure that the recommendations, performance standards and requirements established within the Final Project Geotechnical Study are incorporated into the Project design and construction plans. A qualified geotechnical engineer shall be retained on site to ensure that Project implementation is realized in conformance with specifications and requirements identified in the Study.

With the incorporation of Mitigation Measure GEO-1, potential impacts due to geological instability are considered less-than-significant.

- d) *Less-Than-Significant Impact.* Expansive soils are characterized by their ability to undergo significant volume changes (shrink or swell) due to variations in moisture content. Changes in soil moisture content can result from precipitation, landscape irrigation, utility leakage, roof drainage, perched groundwater, drought, or other factors and may result in unacceptable settlement or heave of structures or concrete slabs supported on grade. The upper soils on-site generally consisted of sandy silts and silty sands. Based on the granular nature of these soils, the Geotechnical Study concluded that the expansion potential at the site is considered low.
- e) *No Impact.* Sewer service currently exists at the site. No septic tanks or other alternative wastewater disposal systems are proposed. Thus, there is no potential for adverse impacts to result from inadequate soils in this regard.
- f) *Less-Than-Significant With Mitigation Incorporated.* Based on research conducted as part of the Cultural Resources Assessment, it was concluded that shallow excavations in the younger Quaternary alluvium found at the surface of the site are unlikely to uncover significant fossilized vertebrate remains. However, any deeper excavations that extend down into the older Quaternary sediments found in the north-central portion of the proposed Project area may well yield significant vertebrate fossils. As such, Mitigation Measure GEO-2 is also required.

GEO-2 A paleontological monitoring program shall be required during for all excavations reaching beyond the depth of nine (9) feet. The monitoring program shall be developed in accordance with the provisions of CEQA as well as the proposed guidelines of the Society of Vertebrate Paleontology (2010).

Sources: City of Victorville General Plan; *Revised Report of Geotechnical Study, Proposed Automotive Dealership, 3 Parcel Lot East of Civic Drive, Victorville, California* (Kleinfelder) August 30, 2018; Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS. Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Substantiation:

a,b) *Potentially Significant Impact.* The Project’s contribution to greenhouse gas emissions may be potentially significant, and will be evaluated as part of the EIR Air Quality Analysis. The Project’s consistency with the City of Victorville’s Climate Action Plan will also be assessed. Potential impacts, together with any necessary mitigation measures, will be presented in the Project EIR.

Source: Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
likely release of hazardous materials into the environment?				
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for the people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Substantiation:

Hazards and hazardous conditions that may affect, or be exacerbated by, development of the Project are evaluated in *Phase I Environmental Site Assessment, Proposed Automotive Dealership, APNS 3106-261-26, 3106-261-27, 3106-261-28 and 3106-261-29, Victorville, California* (Kleinfelder) June 19, 2018 (Phase I ESA). Findings and conclusions of the Phase I ESA provide the basis for the discussions presented here. The Phase I ESA in its entirety is provided at Appendix D.

a,b) *Less-Than-Significant Impact*. The Phase I ESA revealed no evidence of recognized environmental conditions (RECs),¹ controlled RECs (CRECs), historical RECs (HRECs), or de minimis conditions affecting the Project site. Based on the results of the Phase I ESA, the risk of environmental impairment at Project site is low (Phase I ESA, p. 2).

Project construction activities may result in the temporary presence of potentially hazardous materials including, but not limited to fuels and lubricants, paints, solvents, and other construction-related materials on-site. Additionally, the Project proposes above ground storage tanks (ASTs) for fuel, used oil, and used antifreeze. Any ASTs implemented by the Project would be double-walled and include an advanced monitoring system for leak detection. ASTs would be serviced and maintained by professional third-parties. A variety of vehicle repair and maintenance products would also be stored on-site.

Among other hazardous wastes, used oil and used antifreeze generated by vehicle service operations would require on-site management and off-site disposal/recycling. The storage, use, and disposal/recycling of these materials are a common activity within most urbanized communities. A stringent regulatory system has evolved around the supply of gasoline and vehicle maintenance and repair facilities. The Project would comply with applicable regulations addressing storage, use, and disposal/recycling of hazardous or potentially hazardous materials.

More specifically, under the California Unified Hazardous Waste and Hazardous Material Management Regulatory Program, (Chapter 6.11, Division 20, Section 25404 of the Health and Safety Code), hazards/hazardous materials management is addressed locally through the Certified Unified Program Agency (CUPA). The

¹ RECs are defined, according to ASTM E1527-13 as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis conditions are not RECs.*”

CUPA is required to consolidate, coordinate, and make consistent the administrative requirements, permits, fee structures, and inspection and enforcement activities within its jurisdiction. The CUPA for the City of Victorville is the San Bernardino County Fire Department.

Mandated compliance with regulations governing hazardous materials would minimize or preclude potential hazards to the public or the environment through the routine transport, use, or disposal of hazardous materials.

As supported by the preceding discussions, the potential for the Project to create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials; or through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment is considered less-than-significant.

- c) *Less-Than-Significant Impact.* The Project site is not located within one-quarter mile of an existing or proposed school. The school nearest the site is Imogene Garner Hook Junior High School, located just over one-half mile westerly of the Project site. The Project does not include elements or aspects that would create or otherwise result in hazardous emissions. On this basis, the potential for the Project to emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school is considered less-than-significant.
- d) *No Impact.* As part of the Phase I ESA conducted for the Project site, Federal, State, and local databases were reviewed to determine if the site has been identified as having environmental concerns. Based on the research conducted, the Project site is not on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. It is also noted that the Phase I ESA concluded that off-site properties would not pose substantive hazardous risk(s) to the Project site (Phase I ESA, p. 12, et al.). On this basis, there is no potential for the Project to be located on a site which is included on a list of hazardous materials sites compiled pursuant to

Government Code Section 65962.5 and, as a result, create a significant hazard to the public or the environment.

- e) *Less-Than-Significant Impact.* The Southern California Logistics Airport and Osbourne Airport (private) are both located over 5 miles northwesterly and northeasterly, respectively, of the Project site. No other public airstrips exist, or are proposed proximate to the Project. Due to physical separation between the Project site and the closest airport facilities, as well as land use regulations which preclude or restrict development within airport approach/departure zones, potential air safety impacts are considered less-than-significant.
- f) *Less-Than-Significant Impact.* Development of the Project would not cause permanent alteration to vehicle circulation routes, and would not interfere with any identified emergency response or emergency evacuation plan. In accordance with City policies, coordination with the local fire and police departments during construction would ensure that potential interference with emergency response and evacuation efforts are avoided. Further, potential temporary traffic/access disruption that may during Project construction would be addressed through the implementation of the Project Construction Traffic Management Plan (see: Section 2.0, *Project Description*; 2.5.14, *Construction Traffic Management Plan*). The potential for the Project to impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan is therefore considered less-than-significant.
- g) *Less-Than-Significant Impact.* Fire protection services for the Project site and vicinity are currently available through the Victorville Fire Department. Urban fire hazards within the City are largely related to structural fires, and are typically due to carelessness and/or negligence. Adherence to local fire department building and site design requirements, and compliance with codified fire protection and prevention measures during construction and operation of the Project are required. On this basis, the potential for the Project to expose people or structures to a significant risk of loss, injury or death involving wildland fires is determined to be less-than-significant.

Sources: *Phase I Environmental Site Assessment, Proposed Automotive Dealership, APNS 3106-261-26, 3106-261-27, 3106-261-28 and 3106-261-29, Victorville, California (Kleinfelder) June 19, 2018; Preliminary Plans for the Victorville CarMax Auto Superstore Project.*

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
X. HYDROLOGY AND WATER QUALITY. Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would:				
(i) result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(iv) impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Substantiation:

Project hydrology conditions and proposed storm water management/water quality management systems are discussed in *CarMax Hydrology Report* (Michael Baker International) August 21, 2018 (Project Hydrology Report), IS Appendix E. Analyses and findings of the Project Hydrology Report are summarized in pertinent part within the following discussions.

a,e) *Less-Than-Significant Impact.* Project construction activities have the potential to impact surface water quality as the result of soil erosion during grading and soil stockpiling, and subsequent siltation. Post-construction Project operations could also affect area water quality through stormwater discharge and conveyance of typical urban surface pollutants (e.g., solids; oxygen-demanding substances; nitrogen and phosphorus; pathogens; petroleum hydrocarbon; metals; synthetic organics) to receiving waters.

Discharge of pollutants from the Project site and all areas of the City would be minimized through programs and performance standards established under the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System Permit (MS4 permit) issued by the California Water Resources Control Board, Santa Ana Region. The San Bernardino County Flood Control District (District), San Bernardino County, and the 16 incorporated cities in the Santa Ana River watershed (including the City of Victorville) are Co-Permittees under the MS4 Permit. The San Bernardino County Flood Control District has been designated

“Principal Permittee” under the MS4 Permit and administers and coordinates many of the permit requirements on behalf of all the Permittees.

Consistent with MS4 Permit requirements, the Applicant would be required to develop and implement a construction Storm Water Pollution Prevention Program (SWPPP) acting to reduce and control potential erosion, siltation, and discharge of pollutants during Project construction. Post-construction Project operations would comply with the Project’s mandated City-approved Water Quality Management Plan (WQMP) to minimize storm water pollutants of concern and document implementation of required BMPs.

Compliance with City requirements to include required implementation of the Project SWPPP and WQMP would ensure that construction and operation of the Project would not violate any water quality standards or waste discharge requirements. Based on the preceding discussion, the Project’s potential to violate any water quality standards or waste discharge requirements or conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan is considered less-than-significant.

- b) *Less-Than-Significant Impact.* Development of the Project would not contribute to groundwater depletion, nor discernibly interfere with groundwater recharge. The Project site is currently served by the municipal water system; the Project does not propose or require direct withdrawal of groundwater. Further, construction proposed by the Project would not involve substructures or other intrusions at depths that would significantly impair or alter the direction or rate of flow of groundwater. The Project site is not a designated groundwater recharge area and the Project does not propose or require facilities or actions that would otherwise affect designated groundwater recharge areas.

Based on the preceding discussions, the potential for the Project to substantially decrease groundwater supplies or interfere substantially with groundwater recharge is considered less-than-significant.

c, i-iii) *Less-Than-Significant Impact*. Under existing conditions, storm waters sheet flow and disperse toward adjacent properties from a central high point within the Project site. Under post-development conditions, the Project site would include the central CarMax facility with associated parking areas located along the north, east, and southwest corner of the property. Landscaping would be provided along the perimeter of the site. Parking areas would be designed to capture and direct flows to catch basins placed throughout the Project site. Storm flows will confluence while traveling towards the west side of the property, and ultimately join at a proposed diversion structure.

Low flows entering the diversion structure would be directed to a proposed Continuous Deflective Separation (CDS)² unit located downstream of the diversion structure to filter and treat the first flush storm water. This treated storm water will then be stored in proposed underground chambers leading towards a proposed Drywell. High flows will bypass the diversion structure and travel towards the existing 54-inch storm drain main located along Civic Drive. All flows entering the underground chambers will be sized to satisfy the Water Quality Management Plan (WQMP) requirements for Design Capture Volume or the difference in volume between Pre- and Post- Development condition, whichever is greater. The WQMP requires a minimum design capture volume of 10,418.60 cubic feet. The Project would provide an underground storage chamber to satisfy the WQMP conditions by providing a minimum storage capacity of 10,500 cubic feet of volume. This proposed underground storage will lead into a proposed Drywell onsite. Therefore, storm water runoff from the Project site would not increase under post-development conditions. Nor would the Project adversely affect existing drainage patterns. There are no streams or rivers within the Project site, or that would otherwise be substantively affected by the Project.

²The CDS is a swirl concentrator hybrid technology that uses continuous deflective separation – a combination of swirl concentration and indirect screening to screen, separate and trap debris, sediment, and hydrocarbons from storm water runoff. The indirect screening capability of the system allows for 100% removal of floatables and neutrally buoyant material debris 2.4mm or larger, without binding. CDS retains all captured pollutants, even at high flow rates, and provides easy access for maintenance.

The implemented Project storm water management concept would ensure that post-development storm water discharge rates would not exceed pre-development conditions. The Project uses would generate typical storm water urban pollution constituents. The Project would implement required storm water quality control measures, minimizing potential effects of any discharged constituents.

Based on the preceding, the Project's potential to create or contribute runoff water that would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff is considered less-than-significant.

c, iv) *No Impact*. As illustrated at General Plan Figure S-2, *Flood Hazards Map*, the Project site is not located within a 100-year flood hazard area. The Project would therefore have no potential to impede or redirect flood flows.

d) *Less-Than-Significant Impact*. The Project site is not located near any bodies of water or water storage facilities that would be considered susceptible to seiche. The Project site is not proximate to any coastal waters and would not be subject to tsunami hazards. The Project does not propose or require uses or facilities that would contribute to or exacerbate seiche, tsunami or flood hazards.

Sources: City of Victorville General Plan; *CarMax Hydrology Report* (Michael Baker International) August 21, 2018; Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
X. LAND USE AND PLANNING. Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Substantiation:

- a) *No Impact.* The Project involves the development of auto dealership uses on a currently vacant site. No residents would be displaced by Project-related activities, nor would the physical arrangement of the surrounding residential communities be modified or divided. As such, development of the Project would not physically divide an established community.
- b) *Potentially Significant Impact.* The existing Project site General Plan Land Use designation is “Commercial.” Zoning for the Project site is established by the encompassing Civic Center Community Sustainability Specific Plan. Zoning designation of the Project site is “Specific Plan.”

General Plan Considerations

The used vehicle sales land use and design concepts proposed by the Project are consistent with range of land uses and development types envisioned for the Project site’s General Plan “Commercial” Land Use. The Project does not propose or require amendment of the City General Plan.

Zoning Considerations

The Civic Center Community Sustainability Specific Plan (Specific Plan), adopted in 2016, encompasses approximately 473 acres located in the central portion of the

City of Victorville. The Specific Plan contains four District types: Commercial, Business, Government/Service, and Mixed-Use.

The Specific Plan Commercial District includes three land use designations: Community Commercial (CC-1), Civic Commercial (CC-2), and Auto Park (AP). The Project site is located within the CC-2 land use designation.

Land uses and development proposed by the Project are considered to generally conform to commercial land uses and development types that would be permitted or conditionally permitted within the Specific Plan area. Notwithstanding, the used vehicle sales use proposed by the Project is not identified as a permitted use or conditionally permitted use within the Project site's CC-2 land use designation. To implement the Project, the Applicant has requested a Specific Plan Amendment (SPA) to conditionally permit used vehicle sales within the CC-2 land use designation. The proposed SPA is included as IS Appendix A.

Pending amendment of the Specific Plan to allow for the Project's used vehicle sales use and proposed design and development, the potential for the Project to cause a significant environmental impact due to a conflict with any City of Victorville land use plans, policies, and regulations is considered potentially significant. The Project EIR will address these potential impacts.

Sources: City of Victorville General Plan; City of Victorville Zoning Map; *City of Victorville Civic Center Community Sustainability Specific Plan*, April 15, 2014; Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XII. MINERAL RESOURCES. Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and to the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Substantiation:

a,b) *Less-Than-Significant Impact.* Naturally occurring mineral resources within the City include sand, gravel or stone deposits that are suitable as sources of concrete aggregate, located primarily along the Mojave River. The General Plan recognizes the potential for occurrence of mineral resources along the Mojave River corridor, and designates these areas “MRZ-2b” (General Plan Figure RE-1, *Victorville Planning Area Mineral Land Classification Map*). The MRZ-2b mineral resource zone designation represents areas underlain by mineral deposits where geologic information indicates that significant resources are present or are inferred. Within the City of Victorville, the only areas designated MRZ-2b occur along the Mojave River corridor. The Project site is located approximately two miles westerly of the Mojave River corridor. The Project does not propose uses or facilities that would be located, in or otherwise substantively affect the Mojave River corridor.

General Plan Figure RE-1 indicates that the Project site and the predominance of the City of Victorville are designated as a “MRZ-3a” mineral resource zone. The MRZ-3a zone is defined by the General Plan Resource Element as “[a]reas containing known mineral occurrences of undetermined mineral resource significance.”

The Project site and adjacent properties are designated for commercial development under the General Plan, and are not designated, planned, or anticipated as areas for extraction or recovery of mineral resources. There are no known or probable mineral resources of local, regional or state importance within the Project site. The Project does not propose or requires facilities or operations that would substantively affect any off-site mineral resources.

Based on the preceding, the potential for the Project to result in the loss of availability of a known mineral resource of value; or result in the loss of availability of a locally important mineral resource recovery site delineated on a plan is considered less-than-significant.

Sources: City of Victorville General Plan 2030; Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XII. NOISE. Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Generation of excessive groundborne vibration or groundborne noise?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Substantiation:

- a,b) *Potentially Significant Impact.* Construction of the Project will temporarily increase localized noise levels, and occupation of Project facilities will establish long-term stationary operational noise sources. These noise sources could adversely affect any nearby sensitive receptors.

Further, Project-related traffic may increase noise levels along affected area roadways, with potentially adverse effects at receiving land uses. A Project-specific Noise Impact Study will be prepared to examine noise associated with implementation and operations of the Project, and Project-related noise impacts will be discussed in the EIR. Mitigation measures will be proposed for impacts determined to be potentially significant.

- c) *Less-Than-Significant Impact.* The Project site is not located within an airport land use plan, nor is it located within 2 miles of any airport or private airstrip. The Southern California Logistics Airport and Osbourne Airport (private) are both located over 5 miles northwesterly and northeasterly, respectively, of the Project site. Physical separation of the Project site from the airfield facilities acts to preclude potential effects of airport facilities, their operations or related airfield/aircraft noise. Further, the Project does not propose elements or aspects that would interact with or contribute to airfield/aircraft noise. The potential for the Project to expose people residing or working in the Project area to excessive noise levels associated airfield/aircraft operations is therefore considered less-than-significant.

Sources: Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XIV. POPULATION AND HOUSING. Would the project:				
a) Induce substantial unplanned population growth in the area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through the extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Substantiation:

- a) *Less-Than-Significant Impact.* The Project does not propose new residential development and would not directly contribute to population growth within the City. Employment generated by the Project may contribute to nominal population growth; however, Project-related employment demands would likely be filled by the existing personnel pool within the City and neighboring communities. Accordingly, significant population growth is not anticipated to occur as a direct result of Project implementation. The Project site is located within an urbanized area that is already served by roadways, utilities, and other infrastructure. The Project does not otherwise propose or require improvements that would induce substantial unplanned growth. Based on the preceding, the Project’s potential to induce substantial unplanned growth directly or indirectly is considered less-than-significant.
- b) *No Impact.* The Project would be implemented on vacant property. Housing does not exist within the Project site. Nor is the Project site designated for, or anticipated to be developed with, housing assets. The Project does not otherwise propose or require the displacement of any on-site or off-site housing stock. There is no resident population within the Project site, nor does the Project propose uses or activities that would displace off-site populations. Based on the preceding, there is no potential for

the Project to displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere.

Sources: City of Victorville General Plan, Victorville Municipal Code; Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XV. PUBLIC SERVICES. Would the project result in substantial adverse physical impacts associated with the provision of the new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a) Fire Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Police Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Substantiation:

- a) *Less-Than-Significant Impact.* Fire protection and emergency response services for the Project and the City of Victorville are provided by the Victorville Fire Department. The City also participates in the Regional Fire Protection Authority (RFPA), which ensures provision of fire protection and emergency services under mutual aid agreements with San Bernardino County.

Within the City's corporate boundaries, five (5) fire stations are staffed and operated by the Victorville Fire Department. Additionally, under mutual aid agreements, three (3) County fire stations located within the City's Sphere of Influence provide fire protection services to the City and adjacent unincorporated areas. Of these fire stations, the nearest is the Mountain View Acres Station, located at 13782 El Evado Road, less than two miles southwesterly of the Project site.

To the satisfaction of the Victorville Fire Department and the City Development Department, the Project would comply with applicable City fire prevention and protection requirements, including building/site design requirements, and provisions for emergency access, thereby reducing potential increased demands for fire protection services. Based on the current availability of services, and the conventional land uses and building designs proposed by the Project, it is not anticipated that Project demands for fire protection services would result in the need for new or expanded fire protection facilities, the construction of which could cause significant environmental impacts.

- b) *Less-Than-Significant Impact.* Police protection for the Project site and vicinity properties is currently provided by the Victorville Police Department, as a contract service of the San Bernardino County Sheriff Department. The Victorville Police headquarters is located at 14200 Amargosa Road, less than one mile southwesterly of the Project site. Provision and maintenance of adequate police protection services for the Project would be realized generally through a combination of Project site and facility designs that incorporate appropriate safety and security elements and continued adequate law enforcement funding.

The Project site plan concept and proposed building designs would be reviewed by the Victorville Police Department to ensure incorporation of appropriate safety and security elements. Such design features include secure building designs, defensible outdoor areas, and area and facility security lighting. Such physical design features act to discourage crimes, including vandalism, thereby reducing demands for police protection services.

Additionally, development fees, property tax revenues, and sales taxes generated by the Project may be used to offset the costs for providing police services to the site, and maintain and enhance police protection services within the City. On this basis, the Project is not expected to require new or physically altered police protection facilities, the construction of which could cause significant environmental impacts.

- c) *Less-Than-Significant Impact.* The Project is not expected to result in an identifiable increase in employees or residents (and thus, students) within the City. The potential for the Project to result in increased demands on school facilities is therefore considered less-than-significant. Further, prior to the issuance of building permits, the Project is required to pay school impact fees consistent with California Government Code Section 65995. Payment of fees acts to reduce potential Project-related school impacts below significance thresholds. Based on the preceding, the potential for the Project to result in substantial adverse physical impacts associated with the provision of the new or physically altered school facilities is considered less-than-significant.

- d) *Less-Than-Significant Impact.* Prior to the issuance of building permits, the Project would be required to pay development impact fees, which help to fund parks. Additionally, the Project is not expected to result in an identifiable increase in new employees or residents within the City. As demands for parks and recreational facilities is largely a function of the City's resident population, the potential for the Project to result in increased demands on parks or recreational facilities is determined to be less-than-significant.

- e) *Less-Than-Significant Impact.* Development of the Project would require established public agency oversight, including but not limited to: actions by the City Planning and Building and Safety Divisions, City Public Works Department, San Bernardino County Sheriff, Victorville Fire Department, Victorville Police Department and/or Caltrans. These actions typically fall within routine tasks of these agencies under current staffing, and within existing facilities. Agency activities are financially supported by established plan check and inspection fees. Additionally, police and

fire services are funded from both property tax and sales tax revenues generated by the Project. As supported by the preceding discussion, the potential for the Project to substantially increase demands for other public facilities, the construction of which facilities could cause significant environmental impacts, is determined to be less-than-significant.

Sources: City of Victorville General Plan 2030; Victorville Municipal Code; Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XVI. RECREATION				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Substantiation:

a,b) *Less-Than-Significant Impact.* Development of the Project would not substantively affect the City resident population, nor demonstrably affect population-driven demands for regional parks or other recreational facilities. Additionally, development impact fees required of the Project help to fund recreational facilities within the City. The potential for the Project to increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial deterioration of the facility would occur or be accelerated; or include recreational facilities or require the construction or expansion of recreational facilities, which

might have an adverse physical effect on the environment is considered less-than-significant.

Sources: Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XVII. TRANSPORTATION. Would the project:				
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Substantially increase hazards to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Result in inadequate emergency access?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Substantiation:

a-c) *Potentially Significant Impact.* The Project has the potential to increase vehicular traffic along area roads. A comprehensive Traffic Impact Analysis (TIA) will be prepared to examine trip generation and distribution associated with the Project’s implementation and operations. Mitigation measures addressing any potentially significant Project-related traffic impacts will be identified in the EIR.

d) *Potentially Significant Impact.* Based on a preliminary review of the proposed uses, the Project does not propose elements or aspects that would obstruct or restrict emergency access to or through the area. Regardless, the Project Traffic Impact Analysis will also evaluate emergency access. Any potentially significant impacts

will be discussed further in the Project EIR. In conjunction with the review and approval of building permits, the City will review all plans to assure compliance with all applicable emergency access and safety requirements.

Sources: Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XVIII. TRIBAL CULTURAL RESOURCES.				
a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 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:				
(i) Listed or eligible for listing in the California Register of Historical Resources, or in the local register of historical resources as defined in Public Resources Code Section 5020.1(k), or	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(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 Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Substantiation:

a, i) *No Impact.* There are no known or probable historical resources of significance within the Project site. The Project site is not listed, nor eligible for listing, in the California Register of Historical Resources, or in a local register of historical resources. The Project would have no potential to cause a substantial adverse change

in the significance of a tribal cultural resource listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources.

- a, ii) *Less-Than-Significant With Mitigation Incorporated*. The Project area is known to be in an area with the potential for historical, religious or sacred uses. To assess impacts to cultural resources, a Phase I Cultural Resources Assessment (*Phase I Cultural Resource Assessment for the CarMax Victorville Project, City of Victorville, San Bernardino County, California* [Applied EarthWorks, Inc.] June 2018) has been conducted.

The Assessment included a records search and literature review, communication with Native American tribal representatives, and an archaeological field survey of the Project area. Based on research conducted as part of the Cultural Resources Assessment, no prehistoric resources and only four historical archaeological resources have been documented previously within a 1-mile radius of the Project area. The field survey identified no archaeological or built-environmental resources within the Project area. Because the terrain throughout the entire Project area has been disturbed extensively by modern grading and other activities, it is unlikely that buried archaeological remains are present.

Although the Cultural Resources Assessment concluded that no further cultural resource management of the property was recommended, mitigation is included in the event that archaeological materials are encountered during construction (please refer to previous Mitigation Measures CR-1, CR-2).

Consistent with AB 52 requirements, the City has notified those Tribes requesting AB 52 consultation and has entered in the AB 52 consultation process for the Project. In consultation with affected Tribes, the Lead Agency will identify measures necessary to mitigate impacts (if any) to tribal cultural resources determined to be significant.

Mitigation presented below establishes suggested monitoring protocols, and provisions for avoidance, protection, or curation of Tribal Cultural Resources (TCRs) that may be identified through the AB 52 Consultation process.

*TR-1 **Tribal Monitoring – General.** Prior to the issuance of a grading permit, the Project Applicant shall contact the consulting tribes with notification of the proposed grading and shall enter into a Tribal Cultural Resources Treatment and Monitoring Agreement with each Tribe that determines its tribal cultural resources may be present on the site. The agreements shall include, but not be limited to, outlining provisions and requirements for addressing the handling of tribal cultural resources; Project grading and development scheduling; terms of compensation for the Tribal monitors; treatment and final disposition of any tribal cultural resources, including but not limited to sacred sites, burial goods and human remains discovered on the site; and establishing on-site monitoring provisions and/or requirements for professional Tribal monitors during all ground-disturbing activities. The terms of the agreements shall not conflict with any of these mitigation measures. A copy of the agreement shall be provided to the City of Victorville Development Department prior to the issuance of a grading permit.*

*TR-2 **Tribal Cultural Resources – Archaeological Monitoring.** At least 30 days prior to application for a grading permit and before any grading, excavation and/or ground disturbing activities on the site take place, the Project Applicant shall retain a Secretary of Interior Standards-qualified archaeological monitor to monitor all ground-disturbing activities in an effort to identify any unknown archaeological resources. Ground-disturbing activities may include, but are not limited to, pavement removal, pot-holing or auguring, grubbing, weed abatement, boring, grading, excavation, drilling, and trenching. The on-site monitoring would end when the Project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.*

The Project Archaeologist, in consultation with interested Tribes and the Developer, shall develop an Archaeological Monitoring Plan to address the details, timing and responsibility of all archaeological and cultural activities that will occur on the Project site.

Details in the Plan shall include:

- A. *Project grading and development scheduling.*
- B. *The development of a rotating or simultaneous schedule in coordination with the Project Applicant and the Project Archeologist for designated Native American Tribal Monitors from the consulting Tribes during grading, excavation and ground-disturbing activities on the site.*
- C. *The safety requirements, duties, scope of work, and Native American Tribal Monitors' authority to stop and redirect grading activities in coordination with all Project archaeologists.*
- D. *The protocols and stipulations that the Developer, Tribes and Project Archaeologist will follow in the event of inadvertent cultural resources discoveries, including any newly discovered cultural resource deposits that shall be subject to a cultural resources evaluation.*

TR-3 Treatment and Disposition of Tribal Cultural Resources. *If tribal cultural resources are inadvertently discovered during ground-disturbing activities for this Project, the following procedures will be carried out for treatment and disposition of the discoveries:*

- A. *Temporary Curation and Storage. During the course of construction, all discovered resources shall be temporarily curated in a secure location on-site or at the offices of the Project Archaeologist. The removal of any artifacts from the Project site will need to be thoroughly inventoried by the Project Archeologist with tribal monitor oversight of the process.*
- B. *Treatment and Final Disposition. The landowner(s) shall relinquish ownership of all cultural resources, including sacred items, burial goods, and all archaeological artifacts and non-human remains as part of the required mitigation for impacts to cultural resources. The landowner shall relinquish the artifacts through one or more of the following methods and provide the City Development Department with documentation of same:*
 - a. *Reburial on-site. Accommodate the process for on-site reburial of the discovered items with the consulting Tribes. This shall include measures and provisions to protect the*

future reburial area from any future impacts. Reburial shall not occur until all cataloguing and basic recordation have been completed.

- b. Curation. A curation agreement with an appropriate qualified repository within San Bernardino County that meets federal standards pursuant to 36 CFR Part 79, and therefore, would be professionally curated and made available to other archaeologists or researchers for further study. The collections and associated records shall be transferred, including title, to an appropriate curation facility within San Bernardino County, to be accompanied by payment of the fees necessary for permanent curation.*
- c. Disposition Dispute. If more than one Tribe is involved with the Project and cannot come to a consensus as to the disposition of cultural materials, they shall be curated at the Western Science Center.*
- d. Final Report. At the completion of grading, excavation and ground-disturbing activities on the site, a Phase IV Monitoring Report shall be submitted to the City documenting monitoring activities conducted by the Project Archaeologist and Tribal Monitors within 60 days of completion of grading. This report shall:*
 - Document the impacts to the known resources on the property;*
 - Describe how each mitigation measure was fulfilled;*
 - Document the type of cultural resources recovered and the disposition of such resources;*
 - Provide evidence of the required cultural sensitivity training for the construction staff held during the required pre-grade meeting;*
 - In a confidential appendix, include the daily/weekly monitoring notes from the archaeologist.*
 - All reports produced will be submitted to the City, Eastern Information Center and consulting tribes.*

With application of mitigation, the potential for the Project to cause a substantial adverse change in the significance of a tribal cultural resource as defined in Public Resources Code 21074 would be less-than-significant.

Sources: *Phase I Cultural Resource Assessment for the CarMax Victorville Project, City of Victorville, San Bernardino County, California (Applied EarthWorks, Inc.) June 2018; Preliminary Plans for the Victorville CarMax Auto Superstore Project.*

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XIX. UTILITIES AND SERVICE SYSTEMS.				
Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment, storm water drainage, electric power, natural gas, or telecommunication facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Comply with federal, state, and local manangement and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Substantiation:

a-c) *Less-Than-Significant Impact.* Wastewater generated by the Project would be conveyed by the municipal sewer system for treatment at the Victor Valley Wastewater Reclamation Authority (VWVRA) Treatment Plant. The VWVRA Treatment Plant provides tertiary treatment, minimizing the potential for treated wastewater effluent to adversely affect area water quality. Project-generated wastewater would be typical of commercial sources, and would not require

treatment beyond that provided by existing and programmed facilities. The Project would be developed and operated in compliance with the City regulations and standards of the Regional Water Quality Control Board (RWQCB), acting to ensure that wastewater treatment requirements are achieved. The Project would be required to comply with applicable MS4 Permit requirements, acting to reduce Project wastewater treatment demands.

The City General Plan EIR substantiates that sufficient wastewater treatment capacity exists, or would be available to support wastewater treatment demands of the City under buildout conditions (General Plan EIR, pp. 5.16-31 – 5.16-36). On this basis, the General Plan EIR concludes that the potential for City buildout pursuant to the General Plan would result in less-than-significant wastewater treatment impacts. The Project land uses are consistent with the adopted General Plan and the Project wastewater treatment demands are reflected in the General Plan EIR conclusion regarding wastewater treatment impacts.

Wastewater treatment facilities specifically assigned to the Project, or constructed to serve the Project are not required. The Project does not require or propose construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects.

Water would be provided to the Project by the Victorville Water District (VWD). The City General Plan EIR substantiates that sufficient treated water supplies are available, or would be available to support water demands of the City under buildout conditions (General Plan EIR, pp. 5.16-31 – 5.16-36). On this basis, the General Plan EIR concludes that the potential for City buildout pursuant to the General Plan would result in less-than-significant water supply and water treatment impacts. The Project land uses are consistent with the adopted General Plan and the Project water supply and water treatment demands are reflected in the General Plan EIR conclusion regarding water supply and water treatment

impacts. Water supply or water treatment facilities specifically assigned to the Project, or constructed to serve the Project are not required.

Project improvements would include the construction of service laterals necessary to connect the Project to the existing 12-inch water line, and 15-inch sanitary sewer line located in adjacent Civic Drive. This construction would occur within the Project site, or within dedicated public easements/right-of-way.

The Project would pay applicable impact fees, water and sewer connection fees, and service fees, which act to fund water and sewer improvement plans, operations, and maintenance. The City, in consultation with affected purveyors, would determine when and in what manner treatment facilities would be constructed and/or upgraded to meet increasing demands of areawide development, including the incremental demands of the Project.

Based on the preceding, the potential for the Project to require the construction of new or expanded water, wastewater treatment, storm water drainage, electric power, natural gas, or telecommunication facilities; have sufficient water supplies available to serve the project and reasonably foreseeable future development; or result in a determination by the wastewater treatment provider that it has adequate capacity to serve the project's projected demand, is considered less-than-significant.

- d, e) *Less-Than-Significant Impact*. Solid waste generated by the Project would be conveyed to the Victorville Landfill (Landfill). The Landfill is operated by the Solid Waste Management Division of the San Bernardino County Public Works Department in accordance with a Waste Disposal Agreement between the City and the County. The Victorville landfill currently operates on 341 acres of a total 491-acre property with a capacity of 3,000 tons per day.³ The City General Plan EIR substantiates that sufficient landfill capacity exists or would be available to

³ CalRecycle. (2018). SWIS Facility Detail. [online] Available at: <https://www2.calrecycle.ca.gov/swfacilities/Directory/36-AA-0045/> [Accessed 26 Sep. 2018].

support solid waste disposal demands of the City under buildout conditions (General Plan EIR, pp. 5.16-44 – 5.16-46). On this basis, the General Plan EIR concludes that the potential for City buildout pursuant to the General Plan would result in less-than-significant landfill impacts. The Project land uses are consistent with the adopted General Plan and the Project solid waste disposal demands are reflected in the General Plan EIR conclusion regarding landfill impacts.

To reduce waste disposal, AB 939 (California Integrated Waste Management Act) requires every California city and county to divert 50 percent of its waste from landfills. On-going monitored compliance with AB 939 requirements is provided by CalRecycle. Additionally, as of July 1, 2012, commercial uses such as those that would be implemented by the Project are required to comply with applicable provisions of AB 341.

The City is currently meeting or exceeding all state-mandated solid waste diversion targets. The Project would be required to comply with the California Integrated Waste Management Act and AB 341 as implemented by the City.

Consistent with Section 5.408, *Construction Waste Reduction, Disposal, and Recycling*, of the California Green Building Standards Code (CALGreen Code), as implemented by the City of Victorville, the Project in total would be required to recycle or salvage for reuse a minimum of 50 percent of the nonhazardous construction and demolition waste. A Construction Waste Management Plan would also be required consistent with Section 5.408.1.1 of the CALGreen Code. These measures would reduce Project construction waste and would act to reduce demands on solid waste management resources.

Based on the preceding, the potential for the Project to generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals; or conflict with federal, state, and local statutes and regulations related to solid waste is less-than-significant.

Sources: City of Victorville General Plan EIR; *CarMax Hydrology Report* (Michael Baker International) August 21, 2018; CalRecycle SWIS Facility Detail; Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XX. WILDFIRE. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Substantiation:

a-d) *Less-Than-Significant Impact.* According to California Department of Forestry and Fire Protection (CAL FIRE) Fire Hazard Severity Zone Maps, the Project area is not located within or near a state responsibility area, or within an area classified as a very high fire hazard severity zone.

Fire protection services for the Project site and vicinity are currently available through the Victorville Fire Department. The Project would be required to comply with applicable City fire prevention and protection requirements.

Based on the preceding, the potential for the Project to substantially impair an adopted emergency response or evacuation plan, expose Project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire, involve infrastructure that may exacerbate fire risk, or result in significant post-fire risks is considered less-than-significant.

Sources: City of Victorville General Plan EIR; Preliminary Plans for the Victorville CarMax Auto Superstore Project.

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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XXI. MANDATORY FINDINGS OF SIGNIFICANCE.

- | | | | | |
|---|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| a) Does the project have the potential to substantially 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, substantially 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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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 reviewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Substantiation:

- a) *Less-Than-Significant With Mitigation Incorporated.* The Project would incorporate mitigation reducing potential impacts to biological resources and cultural resources to levels that would be less-than-significant. The Project does not otherwise propose or require facilities or operations that would affect off-site biological or cultural resources. On this basis, with incorporation of mitigation, the potential for the Project 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 is considered less-than-significant.
- b) *Potentially Significant Impact.* The Project has the potential to result in project-level and cumulatively considerable impacts. As discussed in the previous environmental evaluation, implementation of the Project may result in potentially significant impacts under the environmental topics of:
- Air Quality;
 - Greenhouse Gas Emissions (including Energy);
 - Land Use;
 - Noise; and
 - Transportation.

The Project EIR will address the above topics and will also include a discussion of Land Use to provide general context for the Project.

c) *Potentially Significant Impact.* As indicated by this IS evaluation, the Project may cause or result in certain potentially significant environmental effects, resulting in potentially adverse effects to human beings. While adverse environmental effects that could affect human beings could, to some degree, be substantiated under all CEQA issue areas, Project impacts that could directly affect human beings include:

- Air Quality;
- Greenhouse Gas Emissions (including Energy);
- Land Use;
- Noise; and
- Transportation.

The Project EIR will address these environmental topics and present mitigation measures for any potentially significant impacts.

4.0 DETERMINATION

4.0 DETERMINATION

On the basis of this initial evaluation:

I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.	<input type="checkbox"/>
I find that although the project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described previously have been added to the project. A NEGATIVE DECLARATION will be prepared.	<input type="checkbox"/>
I find that the project MAY have a significant effect on the environment and an ENVIRONMENTAL IMPACT REPORT is required.	<input checked="" type="checkbox"/>
I find that the project MAY have a significant effect(s) on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on an earlier analysis as described on attached sheets. If the effect is a potentially significant impact or potentially significant unless mitigated an ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that need to be addressed.	<input type="checkbox"/>
I find that although the proposed project could have a significant effect on the environment, there WILL NOT be a significant effect in this case because all potentially significant effects (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards and (b) have been avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed upon the proposed project.	<input type="checkbox"/>

City of Victorville:

Signature  Date 7-18-19

Printed Signature TRAVIS CLARK

APPENDIX A:
Specific Plan Amendment

*Amendment to the
Civic Center Community Sustainability
Specific Plan*

September 2018

Amendment to the Civic Center Community Sustainability Specific Plan

1.1 INTRODUCTION

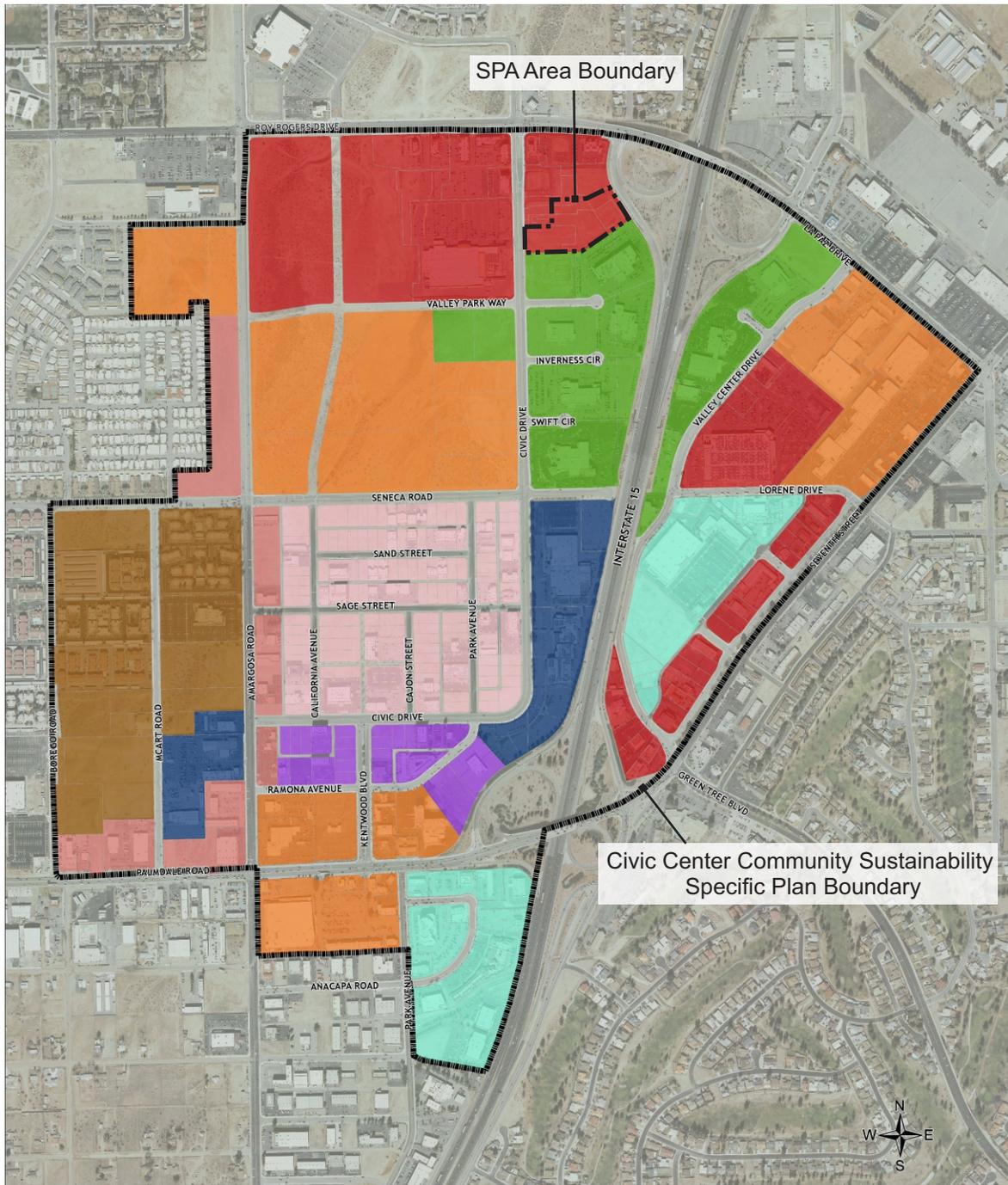
The Civic Center Community Sustainability Specific Plan (SP), adopted in 2016, encompasses 473 acres located in the central portion of the City of Victorville. The Specific Plan contains four district types: Commercial, Business, Government/Service, and Mixed-Use.

Germane to this Amendment, the Commercial District includes three land use designations: Community Commercial (CC-1), Civic Commercial (CC-2), and Auto Park (AP). The SP Amendment Area (Project site) encompasses 4.76 acres of vacant, graded land located within the CC-2 designation. The Project site is located just west of Interstate 15 (I-15), on the east side of Civic Drive, south of Roy Rodgers Drive. Location of the site within the overall SP area is illustrated at Figure 1.1-1.

1.2 SPA PURPOSE AND INTENT

The existing SP designation of the site does not permit used vehicle sales. As adopted, the SP only allows used vehicle sales as a conditionally permitted use within the CC-1 designation. New vehicle sales are only permitted within the AP designation. The CC-2 land use designation does not permit vehicle sales as a permitted or conditionally permitted use.

The purpose of this 2018 Specific Plan Amendment (SPA) is to conditionally allow used vehicle sales within the CC-2 designation. The Project site is located immediately adjacent to AP designated properties, and represents a logical continuation of vehicle sales type uses.



LAND USE

TARGET AREA	CIVIC BUSINESS CENTER	CIVIC COMMERCIAL	CIVIC COMMONS	OFFICE CAMPUS
CIVIC AUTO PARK	COMMUNITY COMMERCIAL	GOVERNMENT CENTER	CIVIC MIXED	REGIONAL RESOURCE



NOT TO SCALE
 Source: Civic Center Community Sustainability Specific Plan; Applied Planning, Inc.

Figure 1.1-1
 Location Within the Specific Plan Area

1.3 PROPOSAL OVERVIEW

With approval of this SPA, the site would be developed with auto dealership and supporting auto service uses totaling approximately 7,480 square feet within the approximately 4.76-acre Project site.

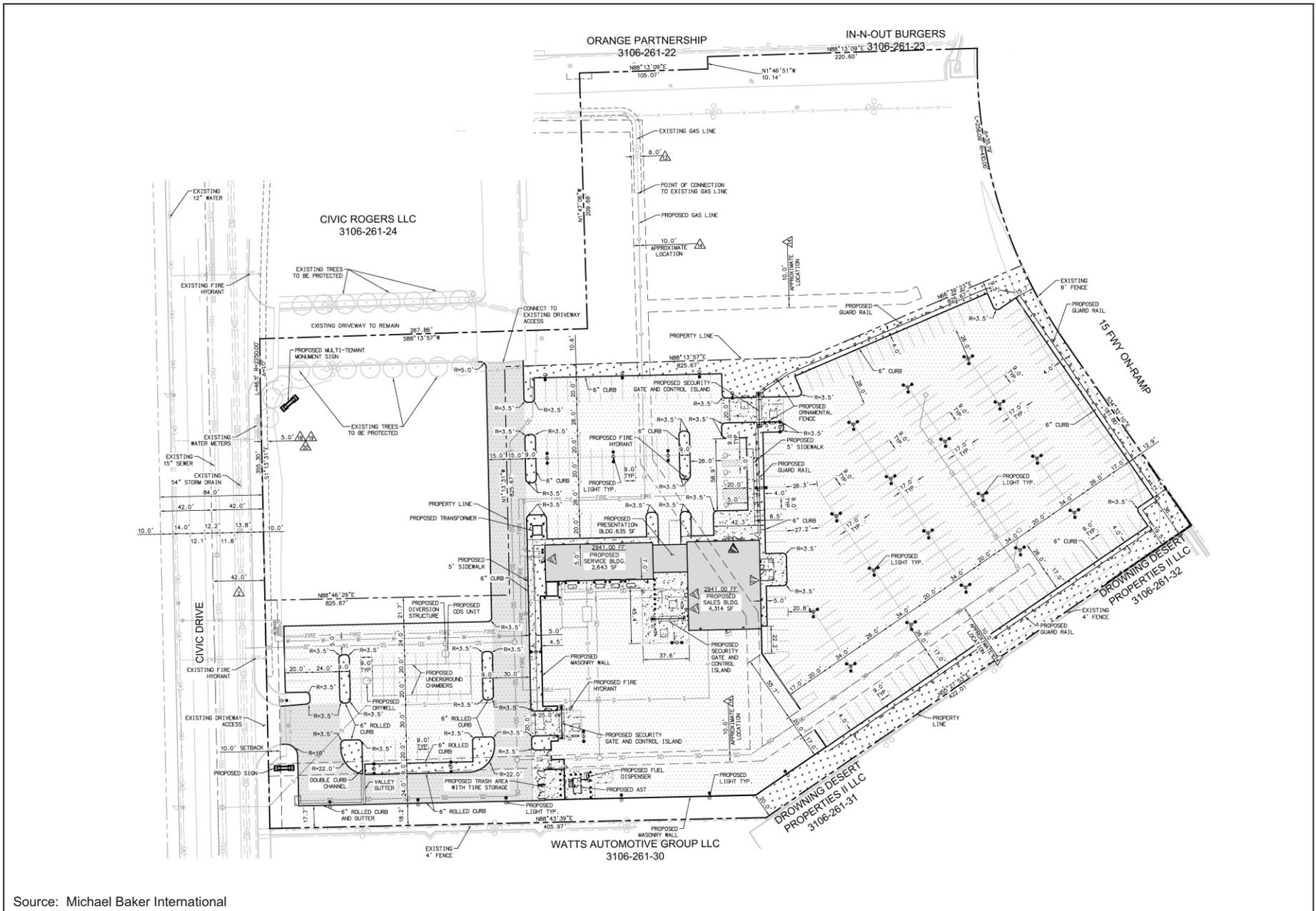
The site would accommodate sales and supporting auto service/repair facilities, as detailed at Table 1.3-1.

**Table 1.3-1
Project Development Summary**

Main Dealership Sales and Service/Repair Buildings	Size
• Sales	4,197 SF
• Presentation	640 SF
• Retail Service	2,643 SF
TOTAL	7,480 SF

As illustrated at Figure 1.3-1, the Conceptual Site Plan centrally locates primary auto sales and service areas, and orients sales/inventory display areas along the Project site westerly I-15 frontage. Customer and employee parking areas would be located in the northerly and south-westerly portions of the Project site.

Vehicular access to the site would be provided by two STOP-controlled driveways along Civic Drive; one existing and one proposed. Ingress and egress from the site does not require access alteration(s)



Source: Michael Baker International

1.4 SPECIFIC PLAN TEXT AMENDMENTS

The following discussion presents the minor text changes that need to occur within the SP to allow the uses proposed by the Project. Text additions are identified by **bold underlined text**, while deletions are indicated by ~~strikeout font~~. All changes are highlighted for ease of reference.

1.4.1 Amendments to Chapter 4, Land Use

Table 4.1, presented on Specific Plan page 4-5 is amended as follows.

Table 4.1		
LAND USE DESIGNATIONS		
Land Use Category	Density & Intensity	Description
Commercial Districts		
Community Commercial	MAX 0.5 FAR	This designation provides for neighborhood services intended for residents of the immediate area. Typical uses include small scale retail and office/ professional developments with individual users typically below 5,000 sq. ft. in size. This district allows for the sale of both new and used items and permits limited educational and service uses.
Civic Commercial	Max 0.75 FAR	This designation provides for large scale commercial development intended to serve the community as a whole. Typical uses include retail, restaurant, and other tax generating complementary uses. Limited service uses and large format used vehicle sales that generate tax revenue and consumer are also permitted.
Auto Park	Max 0.7 FAR	This designation provides for auto dealers selling new vehicles and their associated uses. Limited accessory uses are permitted (i.e. retail) when located on-site of the primary use.
Business Districts		
Civic Business Center	Max 2.0 FAR	This designation provides for professional office uses and associated retail/service uses that serve the neighboring government/service districts. Typical uses include private entities such as lawyers, architects, doctors, real estate, insurance, etc. This district also allows public uses such as parks, parking lots, recreation/ entertainment facilities, and libraries.
Office Campus	Max 3.0 FAR	This designation provides for large medical, office and/or educational complexes with accessory uses on-site or within walking distance. The intent of this district is to allow for large primary uses with accessory uses like retail and service on-site that serve the patrons of the primary use.

Table 4.1		
LAND USE DESIGNATIONS		
Land Use Category	Density & Intensity	Description
Government/Service District		
Regional Resource	Max 4.0 FAR	This designation provides for public social services such as counseling (group or on-on-one), community health & welfare programs, housing authorities and the like. This district also serves privatized entities providing social services, including those funded by public resources.
Government Center	Max 4.0 FAR	This designation provides for Federal, State, County, and Local government entities. Accessory public uses such as plazas, courtyards, and public art are also permitted.
Mixed Use District		
Civic Mixed	Max 4.0 FAR & 30 Units/Acre	This designation is provided for mixed-use projects that incorporate housing, commercial and office uses in a single cohesive development. Live/Work, vertical or village type development concepts are intended and developments must include residential components. Existing development in this district is permitted to remain and fill vacancies, however, new development and modifications or additions will require mixed-use components.
Civic Commons	Max 2.0 FAR & 20-30 Units/Acre	This designation is provided for high density residential developments with 20-30 units per acre and is intended to provide a customer base for surrounding commercial development. Developments are required to design for and provide enhanced pedestrian access to neighboring districts and on-site amenities for residents. Interconnectivity among developments is encouraged to fulfill pedestrian access requirements.

Table 4.2 spans from page 4-12 through 4-17 of the Specific Plan. That portion of the Table shown on Specific Plan page 4-14 is amended as follows.

Table 4.2

PERMITTED, CONDITIONAL, ACCESSORY AND TEMPORARY LAND USES – ALL ZONING DISTRICTS

Zoning Categories:

Residential Districts

CC-R: Civic Commons
CVM: Civic Mixed

Professional Districts

CBC: Civic Business Center
OC: Office Campus

Commercial Districts

AP: Auto Park
CC-1: Community Commercial
CC-2: Civic Commercial

Government Districts

GC: Government Center
RR: Regional Resource

Use Legend:

P: Permitted Use

C: Conditional Use Permit Required

-: Not Permitted

Type	Use	Residential		Professional		Commercial			Government	
		CC-R	CVM	CBC	OC	AP	CC-1	CC-2	GC	RR
COMMERCIAL	8) AUTOMOTIVE									
	Auto repair / service	-	-	-	-	-	C	-	C	-
	Auto body and paint	-	-	-	-	-	C	-	-	-
	Car wash – automated	-	-	-	-	-	C	-	-	-
	Car wash – full service	-	-	-	-	-	C	C	-	-
	Fuel station	-	-	-	C	-	C	C	C	-
	Parking structure	-	-	C	C	-	-	-	P	-
	Vehicle rental	-	-	-	-	-	C	-	-	-
	Vehicle sales – new	-	-	-	-	P	-	-	-	-
	Vehicle sales – used	-	-	-	-	-	C	<u>C</u> ¹	-	-
	9) ENTERTAINMENT RECREATION									
	Indoor	-	P	-	C	-	P	P	-	-
	Outdoor	-	-	-	-	-	-	C	-	-
	10) FOOD & BEVERAGE									
	Bakery / cafe	-	P	P	P	-	P	P	-	-
	Catering establishment	-	P	-	-	-	P	-	-	-
	Convenience store	-	C	C	C	-	P	P	-	-
	Grocery store	-	C	-	-	-	C	P	-	-
Restaurant	-	P	C	C	-	P	P	-	-	

¹ Used vehicle sales within the CC-2 designation shall have a minimum lot size of 4.5 acres.

1.4.2 Amendments to Chapter 6, *Urban Design*

Table 7.2, presented on Specific Plan page 6-19 is amended as follows.

Table 7.2					
PROFESSIONAL/COMMERCIAL DEVELOPMENT STANDARDS					
Commercial Zoning Districts	CBC Civic Business Center	OC Office Campus	AP Auto Park	CC-1 Community Commercial	CC-2 Civic Commercial
Site Requirements ⁽¹⁾					
Maximum FAR	2.0	3.0	.7	.5	.75
Minimum Net Lot Area	10,000 sq ft	1 Acre	20,000 sq ft	10,000 sq ft	15,000 sq ft <u>6</u>
Off-Street Parking	Off-street Parking standards shall be provided pursuant to the Article 21 of Title 16 of the Victorville Municipal Code, unless expressly modified by this Specific Plan.				
Minimum Landscaping	Landscaping shall be provided pursuant to Article 24 of Title 16 of the Victorville Municipal Code, unless expressly modified by the Specific Plan.				
Minimum Site Dimensions (in FT) ⁽¹⁾					
Minimum Lot Width	75	100	100	75	75
Minimum Lot Depth	N/A	N/A	N/A	N/A	N/A
Building Requirements (in FT) ⁽²⁾					
Front Yard Setback	10	10	10	10	10
Minimum Front Yard Build to Line (if abutting paseo)	20	N/A	N/A	20	N/A
Side and Rear Yard Setback					
- Street side	10	10	10	10	10
- Street side abutting paseo	None	N/A	N/A	None	N/A
- Interior side and rear	None	None	None	None	None
- From alley or street	10	10	10	10	10
- Mall corridor	None	N/A	N/A	N/A	N/A
Minimum Mall Corridor Build to Line	10	N/A	N/A	N/A	N/A
Setback from Residential District	N/A	N/A	N/A	30 ⁽³⁾	N/A
Maximum Building Height	120 ⁽⁴⁾	95 ⁽⁴⁾	95 ⁽⁴⁾	45 ⁽⁴⁾	95 ⁽⁴⁾
Wall and Fence Standards (Subject to Section 16-3.10.030 VMC)					
Max. Fence/Wall Height (in FT)					
- Front and Street Side Yard	4				
- Rear and Side Yards	8				
- Yards abutting a paseo or the mall corridor	Walls and Fences Prohibited ⁽⁵⁾				
Notes:					
(1) Projects comprised of multiple parcels functioning as a single development or complex shall include minimum site requirements and dimensions as calculated by the dimensions of the overall development or complex.					

Table 7.2					
PROFESSIONAL/COMMERCIAL DEVELOPMENT STANDARDS					
Commercial Zoning Districts	CBC Civic Business Center	OC Office Campus	AP Auto Park	CC-1 Community Commercial	CC-2 Civic Commercial
<p>(2) Non-structural elements such as unenclosed parking, landscaping and landscape features, common areas, unenclosed recreational areas, and non-vehicular pathways, as well as other allowances provided in this Specific Plan may encroach into setback areas.</p> <p>(3) The setback shall be provided along any rear or side lot line that abuts a residential district (excluding the Civic Mixed District) not separated by a public right-of-way. The area within the required setback shall consist of a minimum fifteen-foot wide landscape strip planted with evergreen trees adjacent to the masonry wall required by this Title, unless in the opinion of the Zoning Administrator it is deemed unnecessary due to building and site design and/or site constraints.</p> <p>(4) Unless otherwise approved by the Planning Commission.</p> <p>(5) The Zoning Administrator or Planning Commission may approve a fence or wall abutting a paseo not to exceed four feet in height based upon evidence of unique circumstances. The circumstances may include:</p> <ul style="list-style-type: none"> (a) Documented safety and/or security problems which exceed those same problems incurred by other commercial/office developments in the nearby vicinity; and/or (b) Location of the development adjacent to public property; and/or (c) Building or site designs that require a fence or wall to separate. <p>(6) Minimum lot area for used vehicle sales shall be 4.5 acres.</p>					

1.5 DEVELOPMENT REGULATIONS AND DESIGN GUIDELINES

Land uses implemented pursuant to this SPA shall comply with all applicable development regulations and design guidelines set forth within Section 6, *Urban Design*, of the Civic Center Community Sustainability Specific Plan (as amended herein).

APPENDIX B:
Biological Resources Assessments



Rincon Consultants, Inc.

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May 18, 2018
Project No: 17-05347

Margaret R. Carroll
Kleinfelder
707 Wilshire Boulevard, Suite 1450
Los Angeles, CA 90017
Via e-mail: MCarroll@kleinfelder.com

Subject: Biological Resources Assessment for APNs: 3106-261-26 (Parcel 3), 3106-261-27 (Parcel 4), 3106-261-28 (Parcel 5), and 3106-261-29 (Parcel 6) in the City of Victorville, San Bernardino County, California.

Dear Ms. Carroll:

Rincon Consultants, Inc. (Rincon) is pleased to present this Biological Resources Assessment (BRA) for the 4.98 acre property located southeast of the intersection of Roy Rogers Drive and Civic Drive in the city of Victorville, San Bernardino County, California. The assessment was completed to document existing site conditions via desktop analysis and reconnaissance site visit to determine potential impacts to special-status biological resources based upon current project plans.

Project Location and Description

The project site is located southeast of the intersection of Roy Rogers Drive and Civic Drive in the city of Victorville, San Bernardino County, California (Figures 1 and 2). The site is bordered by Interstate 15 to the east, commercial developments and Roy Rogers Drive to the north, Civic Center Drive to the west, and existing commercial developments to the south. The parcel lies within the United States Geological Survey (USGS), Victorville, California quadrangle.

Land uses surrounding the project site consist of paved roadways, major highways and commercial development. The project site consists of a vacant lot, dominated by ruderal vegetation and non-native grasses. According to aerial imagery, the lot was cleared of vegetation and graded between 2006 and 2009. The parcel is surrounded by existing roadways and commercial development. Additional commercial development is located approximately 2,000 to 3,000 feet south of the parcel.

The proposed project will consist of a 4,909 square foot sales building, 1,197 square foot presentation area, 4,309 square foot service building, and a 936 square foot car wash and associated parking lots and landscaping.



Methodology

Regulatory Overview

Regulated or sensitive resources studied and analyzed herein include special-status plant and wildlife species, nesting birds, sensitive plant communities, jurisdictional waters and wetlands, wildlife movement, and locally protected resources, as applicable.

Environmental Statutes

For the purpose of this report, potential impacts to biological resources were analyzed based on the following statutes:

- California Environmental Quality Act (CEQA)
- Federal Endangered Species Act (ESA)
- California Endangered Species Act (CESA)
- Federal Clean Water Act (CWA)
- California Fish and Game Code (CFGC)
- Migratory Bird Treaty Act (MBTA)
- The Bald and Golden Eagle Protection Act
- Porter-Cologne Water Quality Control Act
- City of Victorville Ordinances
- City of Victorville General Plan
- West Mojave Plan
- Desert Renewable Energy Conservation Plan

Guidelines for Determining CEQA Significance

The following threshold criteria, as defined by the CEQA Guidelines Appendix G Initial Study Checklist, were used to evaluate potential environmental effects. Based on these criteria, the proposed project would have a significant effect on biological resources if it would:

- a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive or special status species in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service.
- b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service.
- c) Have a substantial adverse effect on federally protected wetlands, as defined by Section 404 of the Clean Water Act (including, but not limited to, marshes, vernal pools, coastal areas, etc.) through direct removal, filling, hydrological interruption, or other means.
- d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites.



- e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.
- f) Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional or state habitat conservation plan.

Literature/Database Review

A review of readily available literature and databases was conducted to obtain comprehensive information regarding state and federally listed species, sensitive communities and federally designated Critical Habitat known to, or considered to have potential to occur within the vicinity of the project site.

The reviewed literature and databases included:

- United States Department of Agriculture (USDA) Soil Survey for each of the project sites (USDA 2018)
- United States Fish and Wildlife Service (USFWS) Environmental Conservation Online System (ECOS): Information, Planning and Conservation System (IPAC) (USFWS 2018b)
- USFWS Critical Habitat Portal (USFWS 2018a)
- USFWS National Wetland Inventory (NWI) (USFWS 2018c)
- California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDDB) (CDFW 2018a)
- CDFW Biogeographic Information and Observation System (BIOS) (CDFW 2018b)
- California Native Plant Society (CNPS) Online Inventory of Rare, Threatened and Endangered Plants of California (CNPS 2018)
- Aerial photographs, topographic maps, and soil survey maps

The potential for occurrence of sensitive species herein presented is based on a literature review and a reconnaissance site visit only. The reconnaissance survey was designed to assess habitat suitability, and not to determine the presence or absence of any specific species. Protocol surveys to confirm the presence or absence of special-status species were beyond the scope of this analysis, and were not performed. As such, the findings and opinions conveyed in this report are based on the literature review and site visit, and resulting habitat assessment.

Reconnaissance Field Survey

A reconnaissance site visit was conducted by Rincon Biologist Lily Sam between 0900 and 1000 on May 3, 2018 at the proposed project location. Weather conditions during the survey included a temperature of 66 degrees Fahrenheit with 10% cloud cover and no wind. Focused protocol surveys were not conducted. Habitats onsite were mapped at a general level of scale. Specifically, the surveys focused on documenting existing conditions and biological resources, evaluating the study area for potential to support special-status plant and wildlife species, and identifying special-status vegetation communities and potentially jurisdictional resources. Prior to conducting the survey, Rincon biologists reviewed aerial photographs and database search results for special-status species records in the vicinity of the project. The reconnaissance survey consisted of meandering pedestrian transects throughout the entire project site. Results of the surveys were used to identify suitable habitat for special-status species that may require focused protocol surveys or other more involved analyses, and to develop an approach for evaluating existing biological resources in the study area. Plants and wildlife observed during surveys are



listed under *Existing Conditions* below. Representative photographs were taken to document vegetation communities, species sign, or other notable biological resources observations. Photographs are included in Attachment B.

Existing Conditions

Physical Characteristics

The project site is located on a vacant 4.98-acre parcel surrounded by existing paved roads and urban development. The parcels are located at an elevation of 2,942 feet above mean sea level and soils onsite are classified as Bryman loamy fine sand, 2 to 5 percent slopes, Cave loam, dry, 0 to 2 percent slopes, and Helendale loamy sand, 2 to 5 percent slopes (USDA 2018). The project site is located within a highly travelled urban area surrounded on all sides by existing development and heavily utilized transportation corridors, including Interstate 15. The site's proximity to existing development has resulted in high levels of human-related disturbance including scattered trash which indicates that the site is likely subject to frequent dumping.

Vegetation and Wildlife Observed

The project site consists of a patchy, ruderal vegetation community dominated by non-native Russian thistle (*Salsola tragus*), with lower abundances of the following non-native, weedy plant species: red brome (*Bromus madritensis*), cheatgrass (*Bromus tectorum*), redstem filaree (*Erodium cicutarium*), short podded mustard (*Hirschfeldia incana*), foxtail barley (*Hordeum murinum*), and Mediterranean grass species (*Schismus* ssp.). Sparse occurrences of native plants include freckled milk vetch (*Astragalus lentiginosus* var. *varibilis*), rubber rabbitbrush (*Ericameria nauseosa*), and little-leaved Mojave indigo bush (*Psoralea argophylla* var. *minutifolia*).

As would be expected from the timing of the reconnaissance survey and location adjacent to existing development, wildlife activity was low on the site, and only four species of wildlife were observed during the survey: rock pigeon (*Columba livia*), common raven (*Corvus corax*), horned lark (*Eremophila alpestris*), and house sparrow (*Passer domesticus*). Due to the site's location within a heavily travelled urban transportation corridor and high levels of existing disturbance as evidenced from scattered trash, low vegetative cover, presence of invasive plant species, the site is likely subject to high levels of noise and human activity which would likely deter most wildlife from long-term use of the project site. In addition, the site is surrounded by development and completely isolated from larger expanses of habitat to the west and north which would further inhibit use of the project site by transient wildlife.

Sensitive Biological Resources

Special Status Species

Local, state, and federal agencies regulate special status species and generally require an assessment of their presence or potential presence to be conducted prior to the approval of a proposed project. Assessments for the potential occurrence of special status species are based upon known ranges, habitat preferences for the species, species occurrence records from the CNDDDB, species occurrence records from other sites in the vicinity of the survey area, and previous reports for the project site. The



potential for each special status species to occur in the survey area was evaluated according to the following criteria:

- **No Potential.** Habitat on and adjacent to the site is clearly unsuitable for the species requirements (foraging, breeding, cover, substrate, elevation, hydrology, plant community, site history, disturbance regime).
- **Low Potential.** Few of the habitat components meeting the species requirements are present, and/or the majority of habitat on and adjacent to the site is unsuitable or of very poor quality. The species is not likely to be found on the site.
- **Moderate Potential.** Some of the habitat components meeting the species requirements are present, and/or only some of the habitat on or adjacent to the site is unsuitable. The species has a moderate probability of being found on the site.
- **High Potential.** All of the habitat components meeting the species requirements are present and/or most of the habitat on or adjacent to the site is highly suitable. The species has a high probability of being found on the site.
- **Present.** Species is observed on the site or has been recorded (e.g., CNDDDB, other reports) on the site recently (within the last 5 years).

Special Status Plant Species

The literature review identified five special-status plant species recorded within five miles of the project site (Attachment C, Table 1): white pygmy-poppy (*Canbya candida*), Booth's evening-primrose (*Eremothera boothii* ssp. *boothii*), beaver dam beadroot (*Pediomelum castoreum*), southern mountains skullcap (*Scutellaria bolanderi* ssp. *austromontana*), and San Bernardino aster (*Symphyotrichum defoliatum*). None of the species have potential to occur onsite due to a lack of habitat or soil requirements or known distribution/elevation ranges. These species are known to occur in woodland and forest habitats found in the surrounding San Bernardino Mountains as well as within mesic areas or within desert washes and areas with more vegetative cover such as Joshua tree and pinyon-juniper woodlands which are not present on the project site. In addition, the habitat present onsite is highly disturbed as evidenced by scattered trash, low vegetative cover, and presence of invasive plant species which further reduces the potential for these species to occur onsite.

The CNDDDB contained no records of any special-status plant species occurring on the project site. No special-status plant species were observed during the reconnaissance survey.

Special-Status Wildlife Species

The literature review identified 27 special-status animal species recorded within five miles of the project site (Attachment C, Table 1). None of the 27 species are expected to occur onsite. The following 18 species are not expected to occur based on the lack of suitable habitat onsite: Victorville shoulderband (*Helminthoglypta mohaveana*), San Emigdio blue butterfly (*Plebulina emigdionis*), Mohave tui chub (*Siphateles bicolor mohavensis*)(FE/SE), arroyo toad (*Anaxyrus californicus*)(FT, SSC), California red-legged frog (*Rana draytonii*)(FT), western pond turtle (*Emys marmorata*)(SSC), coast horned lizard (*Phrynosoma blainvillii*)(SSC), Cooper's hawk (*Accipiter cooperii*)(WL), tricolored blackbird (*Agelaius tricolor*)(CE), western yellow-billed cuckoo (*Coccyzus americanus occidentalis*)(FT/SE), southwestern willow flycatcher (*Empidonax traillii extimus*)(FE/SE), yellow-breasted chat (*Icteria virens*)(SSC), summer tanager (*Piranga rubra*)(SSC), yellow warbler (*Setophaga petechial*)(SSC), LaConte's thrasher (*Toxostoma lecontei*)(SSC), least Bell's vireo (*Vireo bellii pusillus*)(FE/SE), pallid San Diego pocket mouse (*Chaetodipus*



fallax pallidus) (SSC), and Mohave river vole (*Microtus californicus mohavensis*) (SSC). These species are known to occur in riparian areas and desert washes which are not present on the project site. Golden eagle (*Aquila chrysaetos*) (FP, WL), Swainson's hawk (*Buteo swainsoni*) (ST), prairie falcon (*Falco mexicanus*) (WL), Loggerhead shrike (*Lanius ludovicianus*) (SSC), Townsend's big-eared bat (*Corynorhinus townsendii*) (SSC), and hoary bat (*Lasiurus cinereus*) are not expected to occur onsite due to the absence of suitable nesting and/or roosting habitat on the project site as well as the heavy disturbance and surrounding development which make it poor quality for foraging. Since the site is dominated by hardpan soils and lacking desert scrub habitat and burrows desert tortoise (*Gopherus agassizii*) (FT/ST), burrowing owl (*Athene cunicularia*), and Mohave ground squirrel (*Xerospermophilus mohavensis*) (ST) are not expected to occur onsite. No burrows were observed by the biologist during the survey. Furthermore, the site is highly disturbed and completely isolated by existing urban development, with no connectivity to expanses of suitable habitat and known desert tortoise or Mohave ground squirrel populations.

Nesting Birds

Sparse herbaceous desert vegetation onsite and ornamental trees located on adjacent properties could provide suitable nesting habitat for at least one common avian species that occurs within the project site. Nesting birds are protected by California Fish and Game Code (CFG) 3503 and the Migratory Bird Treaty Act (MBTA). Common species such as horned larks, which are ground nesters, have the potential to nest in habitats containing sparse vegetation, even in highly disturbed urban settings.

Sensitive Plant Communities

No sensitive plant communities as defined by the CNDDDB or local ordinances are present onsite.

Jurisdictional Waters and Wetlands

Based on aerial review, including review of the USFWS NWI (2018c) and onsite observations, no potentially jurisdictional drainages or wetlands are present on the project site.

Wildlife Movement

The project site is located adjacent to existing development and heavily travelled transportation corridors, including Interstate 15. Additionally, the project site is not located within a mapped wildlife movement corridor recorded in BIOS (CDFW 2018b). Therefore, the project site is not expected to serve as a significant migratory wildlife corridor.

Resources Protected by Local Policies and Ordinances

No resources protected by local ordinances or policies are present on site.

Conservation Plans

The project site is located within the West Mojave Plan (WMP) Area, however, the City of Victorville is not a signatory to the WMP (City of Victorville 2018). The project site is also located within the area covered under the Desert Renewable Energy Conservation Plan (DRECP), however, because the project does not include development of renewable energy, the DRECP is not applicable to this project.



Impact Analysis and Mitigation Measures

Special Status Species

There are five sensitive plant species and 27 sensitive wildlife species known to occur or with potential to occur within the vicinity of the project site. None were identified on the project site or expected to occur due to the lack of suitable habitat on site. In addition, the project site has a history of frequent disturbance and is surrounded by existing development and heavily travelled transportation corridors which would further reduce the potential for transient individuals to be present onsite.

As described above, the project site contains low-lying desert vegetation that could provide suitable nesting habitat for at least one common avian species. In order to avoid impacts to nesting birds, the following mitigation measure shall be implemented:

- **Preconstruction Nesting Bird Survey.** If project activities must occur during the avian nesting season (February to September), a survey for active nests must be conducted by a qualified biologist, one to two weeks prior to the activities. If active nests are identified and present onsite, clearing and construction within 50-250 feet of the nest, depending on the species involved (50 feet for common urban-adapted native birds and up to 250 feet for raptors), shall be postponed until the nest is vacated and juveniles have fledged, and there is no evidence of a second attempt at nesting. Limits of construction to avoid a nest site shall be established in the field by a qualified biologist with flagging and stakes or construction fencing. Construction personnel shall be instructed regarding the ecological sensitivity of the fenced area. If construction must occur within this buffer, it shall be conducted at the discretion of a qualified biological monitor to assure that indirect impacts to nesting birds are avoided.

Sensitive Plant Communities

The project site does not contain riparian habitat or other sensitive natural communities. Therefore, the project would have no effect to sensitive plant communities.

Jurisdictional Waters and Wetlands

The project site does not contain any jurisdictional drainages or wetlands. Therefore, the project would have no effect to jurisdictional waters and wetlands.

Wildlife Movement

The project site is not located within a mapped wildlife movement corridor according to the BIOS (2018b) nor is it expected to serve as a significant migratory wildlife corridor. Therefore, no effects to wildlife movement corridors would occur.

Resources Protected by Local Policies and Ordinances

As noted above, no resources protected by local policies or ordinances were observed within the project site.



Conservation Plans

The project site is located within a parcel covered under the West Mojave Plan; however, the City of Victorville is not a signatory to this habitat conservation plan. The project site is also located within the area covered under the Desert Renewable Energy Conservation Plan (DRECP), however, because the project does not include development of renewable energy, the DRECP is not applicable to this project. As such, the project would not conflict with existing conservation plans.

Thank you for the opportunity to provide this Biological Resources Assessment. Please contact the undersigned with any questions.

Sincerely,

Rincon Consultants, Inc.

Lily Sam
Associate Biologist

Steven J. Hongola
Principal/Senior Ecologist

Attachments

- Attachment A Figures
- Attachment B Site Photos
- Attachment C Species Tables



References

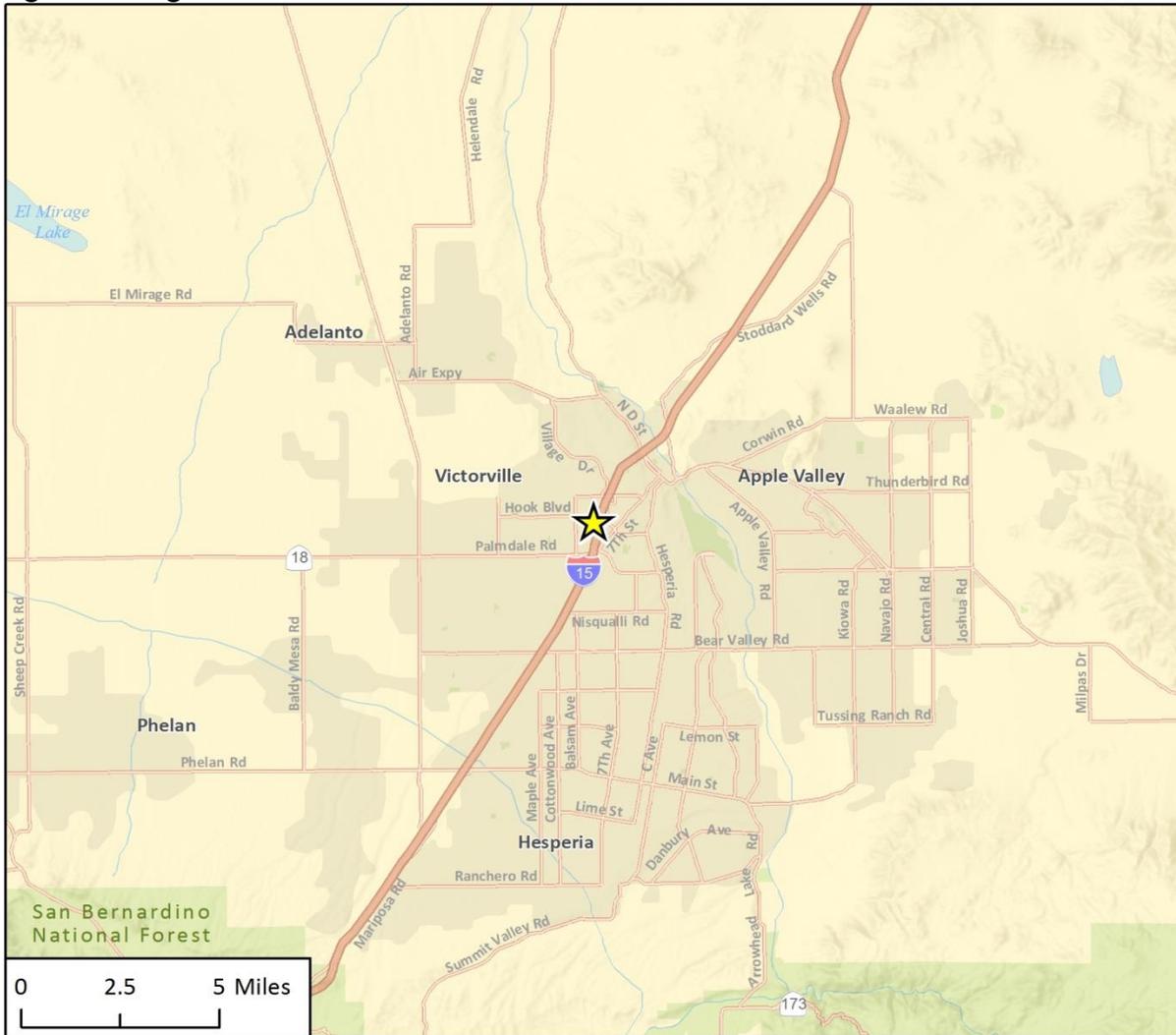
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- Victorville, City of. 2018. Personal communication with Daisy Mahoney, City Planner. May 17, 2018.

Attachment A

Figures



Figure 1 Regional Location



Imagery provided by Esri and its licensors © 2018.

 Project Location

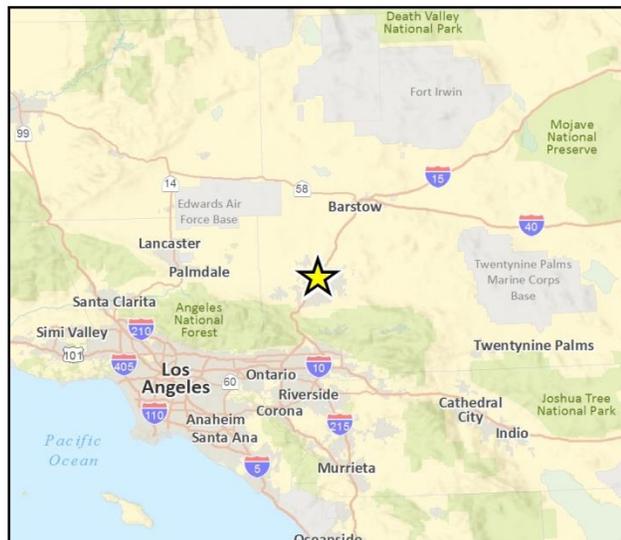


Fig 1 Regional Location



Figure 2 Project Location



Imagery provided by Google and its licensors © 2018.

Fig. 2 Project Location

Attachment B

Site Photographs



Photograph 1. Northeast corner of project site, facing south.



Photograph 2. Eastern perimeter of project site, facing west.



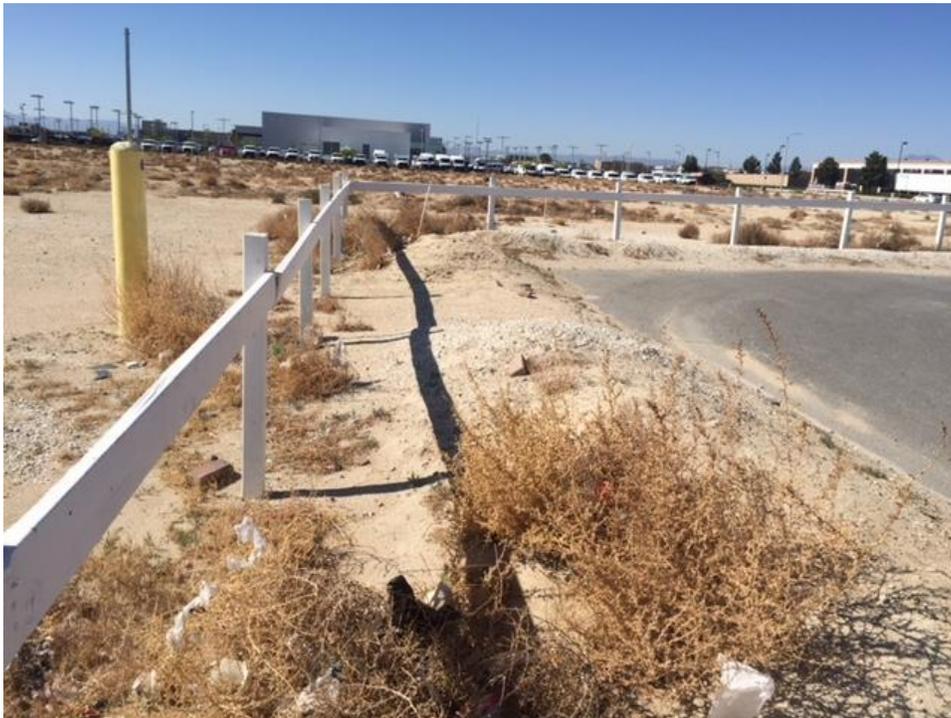
Photograph 3. Northeast corner of project site, facing west.



Photograph 4. Northeast corner (eastern perimeter) of project site, facing south.



Photograph 5. Middle of project site, facing east.



Photograph 6. Western perimeter of project, facing south.

Attachment C

Species Tables



Table 1 Special-Status Species Known or with Potential to Occur in Vicinity of Project Site

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Plants				
<i>Canbya candida</i> white pygmy-poppy	None/None G3G4/S3S4 4.2	Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland. Gravelly, sandy, granitic places. 600-1460 m. annual herb. Blooms Mar-Jun	Not expected	No Joshua tree woodland, Mojavean desert scrub, or pinyon and juniper woodland habitat present on project site.
<i>Eremothera boothii</i> ssp. <i>Boothii</i> Booth's evening-primrose	None/None G5T4/S2 2B.3	Joshua tree woodland, pinyon and juniper woodland. 290-2410 m. annual herb. Blooms Apr-Sep	Not expected	No Joshua tree woodland or pinyon and juniper woodland habitat present on project site.
<i>Pediomelum castoreum</i> Beaver Dam breadroot	None/None G3/S2 1B.2	Joshua tree woodland, Mojavean desert scrub. Sandy soils; washes and roadcuts. 610-1065 m. perennial herb. Blooms Apr-May	Not expected	No Joshua tree woodland or Mojavean desert scrub present on project site.
<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i> Southern mountains skullcap	None/None G4T3/S3 1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. In gravelly soils on streambanks or in mesic sites in oak or pine woodland. 425-2000 m. perennial rhizomatous herb. Blooms Jun-Aug	Not expected	No chaparral, cismontane woodland, or lower montane coniferous forest habitat present on project site.
<i>Symphotrichum defoliatum</i> San Bernardino aster	None/None G2/S2 1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. Vernal mesic grassland or near ditches, streams and springs; disturbed areas. 2-2040 m. perennial rhizomatous herb. Blooms Jul-Nov	Not expected	No meadows/seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes/swamps, or valley and foothill grassland habitat present on project site.
Invertebrate				
<i>Helminthoglypta mohaveana</i> Victorville shoulderband	None/None G1/S1	Known only from along the Mojave River in San Bernardino County. Found among granite boulders and at the base of rocky cliffs.	Not expected	Project site not located along the Mojave River. No granite boulders or rocky cliffs present on project site.
<i>Plebulina emigdionis</i> San Emigdio blue butterfly	None/None G1G2/S1S2	Found in desert canyons & along riverbeds in Inyo, Kern, Los Angeles, and San Bernardino counties. Host plant is <i>Atriplex canescens</i> ; maybe <i>Lotus purshianus</i> also.	Not expected	No desert canyons, riverbeds or host plants present on project site.



Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Fish				
<i>Siphateles bicolor mohavensis</i> Mohave tui chub	Endangered/ Endangered G4T1/S1 FP	Endemic to the Mojave River basin, adapted to alkaline, mineralized waters. Needs deep pools, ponds, or slough-like areas. Needs vegetation for spawning.	Not expected	No ponded or flowing water present on project site.
Amphibians				
<i>Anaxyrus californicus</i> arroyo toad	Endangered/ None G2G3/S2S3 SSC	Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, etc. Rivers with sandy banks, willows, cottonwoods, and sycamores; loose, gravelly areas of streams in drier parts of range.	Not expected	No washes, riparian areas, or ponded or flowing water present on project site.
<i>Rana draytonii</i> California red-legged frog	Threatened/ None G2G3/S2S3 SSC	Lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation. Requires 11-20 weeks of permanent water for larval development. Must have access to estivation habitat.	Not expected	No ponded or flowing water or riparian areas present on project site.
Reptiles				
<i>Emys marmorata</i> western pond turtle	None/None G3G4/S3 SSC	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	Not expected	No ponded or flowing water present on project site.
<i>Gopherus agassizii</i> Desert tortoise	FT/ST G3/S2 --	Most common in desert scrub, desert wash, and Joshua tree habitats; occurs in almost every desert habitat. Requires friable soil for burrow and nest construction. Creosote bush habitat with large annual wildflower blooms preferred.	Not expected	No suitable habitat is present within the project site. The site is highly disturbed and isolated by existing urban development, with no connectivity to expanses of suitable habitat and known Desert tortoise populations.
<i>Phrynosoma blainvillii</i> coast horned lizard	None/None G3G4/S3S4 SSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	Not expected	Outside of species known range.



Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Birds				
<i>Accipiter cooperii</i> Cooper's hawk	None/None G5/S4 WL	Woodland, chiefly of open, interrupted or marginal type. Nest sites mainly in riparian growths of deciduous trees, as in canyon bottoms on river flood-plains; also, live oaks.	Not expected	No suitable nesting sites exist on the project site. No woodland or riparian habitat present onsite or within vicinity. Project site is poor quality for foraging due to heavy disturbance and surrounding development.
<i>Agelaius tricolor</i> tricolored blackbird	None/ Candidate Endangered G2G3/S1S2 SSC	Highly colonial species, most numerous in Central Valley & vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.	Not expected	No open water present within or near the project site.
<i>Aquila chrysaetos</i> golden eagle	None/None G5/S3 FP, WL	Rolling foothills, mountain areas, sage-juniper flats, and desert. Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.	Not expected	No suitable nesting sites exist on the project site. No foothills, mountain areas, canyons, or large trees present onsite or within vicinity. Project site is poor quality for foraging due to heavy disturbance and surrounding development.
<i>Athene cunicularia</i> burrowing owl	None/None G4/S3 SSC	Prefers open grassland or sparsely vegetated shrublands throughout California. Uses burrows year-round for shelter and reproduction.	Not expected	No suitable habitat or burrows are present within the project site. The site is highly disturbed and isolated by existing urban development, with no connectivity to expanses of suitable habitat. Project site is poor quality for foraging due to heavy disturbance and surrounding development.
<i>Buteo swainsoni</i> Swainson's hawk	None/ Threatened G5/S3	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, & agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	Not expected	No suitable nesting sites exist on the project site. No grasslands or trees onsite or within vicinity. Project site is poor quality for foraging due to heavy disturbance and surrounding development.
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	Threatened/ Endangered G5T2T3/S1	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	Not expected	No riparian forest habitat exists on the project site or within the vicinity.
<i>Empidonax traillii extimus</i> southwestern willow flycatcher	Endangered/ Endangered G5T2/S1	Riparian woodlands in Southern California.	Not expected	No riparian forest habitat exists on the project site or within the vicinity.



Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
<i>Falco mexicanus</i> prairie falcon	None/None G5 / S4 WL	Inhabits dry, open terrain, either level or hilly. Breeding sites located on cliffs. Forages far afield, even to marshlands and ocean shores.	Not expected	No suitable habitat for breeding or foraging on site or within the vicinity.
<i>Icteria virens</i> yellow-breasted chat	None/None G5/S3 SSC	Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses. Nests in low, dense riparian, consisting of willow, blackberry, wild grape; forages and nests within 10 ft of ground.	Not expected	No riparian forest habitat exists on the project site or within the vicinity.
<i>Lanius ludovicianus</i> loggerhead shrike	None/None G4/S4 SSC	Broken woodlands, savannah, pinyon-juniper, Joshua tree, and riparian woodlands, desert oases, scrub & washes. Prefers open country for hunting, with perches for scanning, and fairly dense shrubs and brush for nesting.	Not expected	No suitable habitat is present within the project site. Brush is too sparse to provide suitable nesting habitat. Project site is poor quality for foraging due to heavy disturbance and surrounding development.
<i>Piranga rubra</i> summer tanager	None/None G5/S1 SSC	Summer resident of desert riparian along lower Colorado River, and locally elsewhere in California deserts. Requires cottonwood-willow riparian for nesting and foraging; prefers older, dense stands along streams.	Not expected	No riparian habitat exists on the project site or within the vicinity.
<i>Setophaga petechia</i> yellow warbler	None/None G5/S3S4 SSC	Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	Not expected	No riparian or montane habitat exists on the project site or within the vicinity.
<i>Toxostoma lecontei</i> Le Conte's thrasher	None/None G4/S3 SSC	Desert resident; primarily of open desert wash, desert scrub, alkali desert scrub, and desert succulent scrub habitats. Commonly nests in a dense, spiny shrub or densely branched cactus in desert wash habitat, usually 2-8 feet above ground.	Not expected	No suitable habitat is present within the project site. This species is unlikely to be present due to sparse vegetation, heavy disturbance and surrounding development.
<i>Vireo bellii pusillus</i> least Bell's vireo	Endangered/ Endangered G5T2/S2	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	Not expected	No riparian or montane habitat exists on the project site or within the vicinity.



Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Mammals				
<i>Chaetodipus fallax pallidus</i> pallid San Diego pocket mouse	None/None G5T34/S3S4 SSC	Desert border areas in eastern San Diego County in desert wash, desert scrub, desert succulent scrub, pinyon-juniper, etc. Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	Not expected	No desert wash, desert succulent scrub, pinyon-juniper woodland or rocky/gravelly areas present on project site.
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	None/None G3G4/S2 SSC	Throughout California in a wide variety of habitats. Most common in mesic sites. Roosts in the open, hanging from walls and ceilings. Roosting sites limiting. Extremely sensitive to human disturbance.	Not expected	No mesic areas or suitable roosting sites present on project site. Project site is poor quality for foraging due to heavy disturbance and surrounding development.
<i>Lasiurus cinereus</i> hoary bat	None/None G5/S4	Prefers open habitats or habitat mosaics, with access to trees for cover and open areas or habitat edges for feeding. Roosts in dense foliage of medium to large trees. Feeds primarily on moths. Requires water.	Not expected	No trees, dense foliage, or water present on project site. Project site is poor quality for foraging due to heavy disturbance and surrounding development.
<i>Microtus californicus mohavensis</i> Mohave river vole	None/None G5T1/S1 SSC	Occurs only in weedy herbaceous growth in wet areas along the Mojave River. May be found in some irrigated pastures. Burrows into soft soil. Feeds on leafy parts of grasses, sedges and herbs. Clips grasses to form runways from burrow.	Not expected	No wet areas or soft soils present on project site.
<i>Xerospermophilus mohavensis</i> Mohave ground squirrel	None/ Threatened G2G3/S2S3	Open desert scrub, alkali scrub & Joshua tree woodland. Also feeds in annual grasslands. Restricted to Mojave Desert. Prefers sandy to gravelly soils, avoids rocky areas. Uses burrows at base of shrubs for cover. Nests are in burrows.	Not Expected	No suitable habitat is present within the project site. The site is highly disturbed and isolated by existing urban development, with no connectivity to expanses of suitable habitat and known MGS populations.

Status: Federal/State

FE = Federal Endangered
 FT = Federal Threatened
 PFT = Proposed Federal Threatened
 FDL = Federal Delisted
 SE = State Endangered
 ST = State Threatened
 SR = State Rare
 SDL = State Delisted
 SSC = CDFW Species of Special Concern
 FP = CDFW Fully Protected
 WL = CDFW Watch List

CRPR (CNPS California Rare Plant Rank):

1A = Presumed Extinct in California
 1B = Rare, Threatened, or Endangered in California and elsewhere
 2 = Rare, Threatened, or Endangered in California, but more common elsewhere
 3 = Need more information (a Review List)
 4 = Plants of Limited Distribution (a Watch List)

CRPR Threat Code Extension:

.1 = Seriously endangered in California (>80% of occurrences threatened/high degree and immediacy of threat)
 .2 = Fairly endangered in California (20-80% of occurrences threatened)
 .3 = Not very endangered in California (<20% of occurrences threatened)



Scientific Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
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Other Statuses:

G1 or S1 Critically Imperiled Globally or Subnationally (state)

G2 or S2 Imperiled Globally or Subnationally (state)

G3 or S3 Vulnerable to extirpation or extinction Globally or Subnationally (state)

G4/5 or S4/5 Apparently secure, common and abundant

GH or SH Possibly Extirpated – missing; known from only historical occurrences but still some hope of rediscovery

Additional notations may be provided as follows:

T – Intraspecific Taxon (subspecies, varieties, and other designations below the level of species)

Q – Questionable taxonomy that may reduce conservation priority

? – Inexact numeric rank



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May 18, 2018
Project No: 17-05348

Margaret R. Carroll
Senior Professional
Kleinfelder
707 Wilshire Boulevard, Suite 1450
Los Angeles, CA 90017
Via e-mail: MCarroll@kleinfelder.com

Subject: Surface Water and Wetlands Evaluation for APNs: 3106-261-26 (Parcel 3), 3106-261-27 (Parcel 4), 3106-261-28 (Parcel 5), and 3106-261-29 (Parcel 6) in the City of Victorville, San Bernardino County, California

Dear Ms. Carroll,

Rincon Consultants, Inc. (Rincon) is pleased to submit to Kleinfelder this surface water and wetlands evaluation for the 4.98-acre property located southeast of the intersection of Roy Rogers Drive and Civic Drive in the city of Victorville, San Bernardino County, California (Assessor's Parcel Numbers [APNs]: 3106-261-26 (Parcel 3), 3106-261-27 (Parcel 4), 3106-261-28 (Parcel 5), and 3106-261-29 (Parcel 6). The purpose of this report is to identify potential constraints and permit requirements specific to surface waters and wetlands in order to assist the property owner with decisions related to development of the parcel. Additional biological resource constraints and potential impacts were assessed and described in a separate Biological Resources Assessment for the project site, dated May 18, 2018. Refer to this report for details. This Surface Water and Wetlands Evaluation is the result of a desktop analysis and reconnaissance survey for potential constraints to project implementation and does not constitute a formal jurisdictional delineation for waters of the State or U.S.

Project Location and Description

The project site is located southeast of the intersection of Roy Rogers Drive and Civic Drive in the city of Victorville, San Bernardino County, California (Figures 1 and 2). The site is bordered by Interstate 15 to the east, commercial developments and Roy Rogers Drive to the north, Civic Center Drive to the west, and existing commercial developments to the south. The parcel lies within the United States Geological Survey (USGS), Victorville, California quadrangle.

Land uses surrounding the project site consist of paved roadways, major highways and commercial development. The project site consists of a vacant lot, dominated by ruderal vegetation and non-native



grasses. According to aerial imagery, the lot was cleared of vegetation and graded between 2006 and 2009. The parcel is surrounded by existing roadways and commercial development.

The proposed project will consist of a 4,909 square foot sales building, 1,197 square foot presentation area, 4,309 square foot service building, and a 936 square foot car wash and associated parking lots and landscaping.

Methodology

This surface waters and wetlands evaluation provides a desktop review and field reconnaissance survey to document potentially jurisdictional wetlands or other waters present on the project site and to provide information on the potential constraints to development of the project due to the presence of these resources. Information on potentially jurisdictional features was compiled from a variety of publicly available sources including:

- Aerial maps,
- U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) Web Soil Survey (USDA-NRCS 2018),
- U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) (USFWS 2018), and
- USGS National Hydrography Dataset (NHD) (USGS 2018).

Rincon biologist Lily Sam conducted a reconnaissance-level field survey on May 3, 2018, between the hours of 0900 and 1000. Average temperatures were approximately 66 degrees Fahrenheit (°F), with less than ten percent cloud cover and no wind. The purpose of the reconnaissance-level field survey was to document existing site conditions, and to evaluate the potential for the presence of jurisdictional wetlands or other waters that may present a constraint on the project. The field survey included visual inspection of the entire project site, during which Ms. Sam recorded general site conditions and potential jurisdictional resources encountered.

Any potentially jurisdictional aquatic resources encountered were documented and features, such as bed, bank, ordinary high water mark, and presence of wetland vegetation or soils, were assessed. Soil pit tests were not conducted; however, general soil characteristics were described and the NRCS Web Soil Survey (2018) was consulted to determine if soils mapped in the area were hydric. The findings and opinions included in this report are based exclusively on the above methodology.

Existing Site Conditions

Potentially Jurisdictional Features

According to federal agency databases, no wetlands or waters are identified to occur on the project site (USFWS 2018; USGS 2018). Topography varies by approximately 4 feet throughout the project site with the lowest areas lying along on the eastern edge of the project site. No defined channels, ponding, or evidence of runoff were present on the project site during the survey. Given surrounding development, no upstream channel exists and the project site could only receive urban runoff flow from the surrounding streets and parking lots.

Soils

Three soil map units occur on the project site: Bryman loamy fine sand, 2 to 5 percent slopes, Cave



loam, dry, 0 to 2 percent slopes, and Helendale loamy sand, 2 to 5 percent slopes. The majority of the parcel consists of Helendale loamy sand on the eastern portion of the site. The western portion of the site is comprised of both Bryman loamy fine sand and cave loam. None of these soils types are identified as hydric (USDA 2018).

Regulatory Setting

State and federal resource agencies regulate surface water and wetland resources through various laws, policies, and acts. The following is a list of the primary regulations potentially governing impacts to sensitive biological resources that could occur within the study area:

- National Environmental Policy Act (42 U.S. Code [USC], § 4321 et seq.)
- Federal Clean Water Act (33 USC § 1251 - 1376)
- California Environmental Quality Act (Title 14, CA Code of Regulations [CCR] § 753)
- Porter-Cologne Water Quality Control Act (Water Code Division 7 and Related Sections)
- Lake and Streambed Alteration Agreement (LSAA) (FGC § 1600 - 1616)

Impact Analysis

Potential Impacts to Jurisdictional Waters and Streambeds

Based on review of aerial imagery, online data, and the reconnaissance survey, no regulated aquatic resources subject to the permitting authority of the United States Army Corps of Engineers (USACE) and/or the Regional Water Quality Control Board (RWQCB) occur on the project site. Additionally, no surface wetland or water features, including riparian vegetation, subject to the authority of the California Department of Fish and Wildlife (CDFW) are present. Topography varies by approximately 4 feet throughout the project site with the lowest areas lying along on the southern edge of the project site. No defined channels, areas of ponding, or evidence of runoff were present on the project site during the survey. Given surrounding development, no upstream channel exists and the project site would only receive runoff flow from the adjacent streets and parking lots of commercial developments during storm events. At this time a formal jurisdictional delineation is not necessary and the project would not be expected to impact jurisdictional waters and wetlands.

Conclusions

No resources subject to the permitting authority of the USACE, RWQCB, or CDFW were identified on the project site. Therefore, no impacts related to surface waters or wetlands are anticipated. As noted above, this report does not constitute a formal jurisdictional delineation for waters of the State or U.S.



Thank you for the opportunity to support your environmental analysis needs for this important project. Please contact the undersigned with any questions.

Sincerely,
Rincon Consultants, Inc.

Lily Sam
Associate Biologist

Steven J. Hongola
Principal/Senior Ecologist

Attachments

References

Figure 1 – Regional Location Map

Figure 2 – Project Location Map

Site Photographs

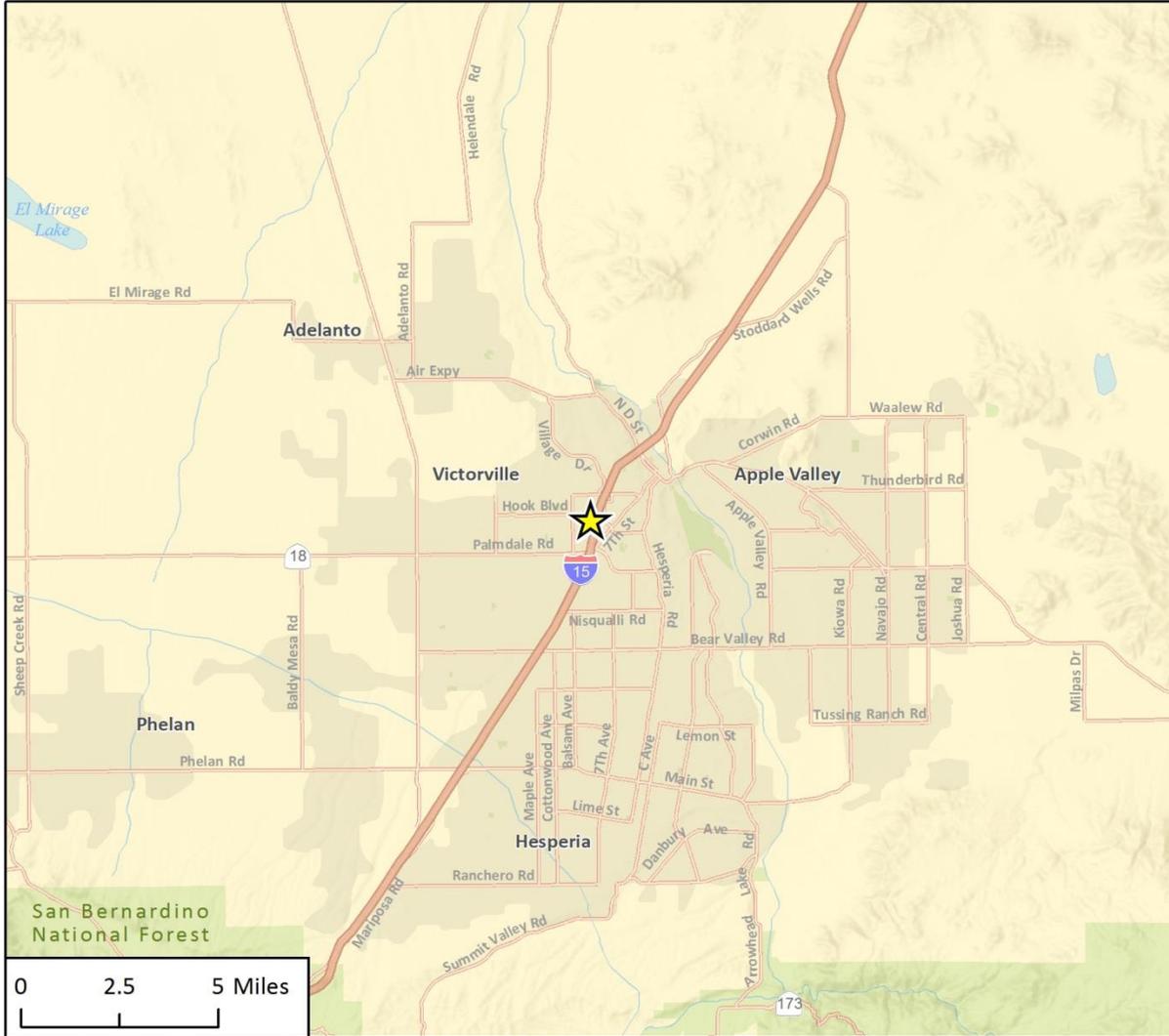


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<https://nhd.usgs.gov/index.html>. Accessed May 2018.



Figure 1. Regional Location Map



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★ Project Location

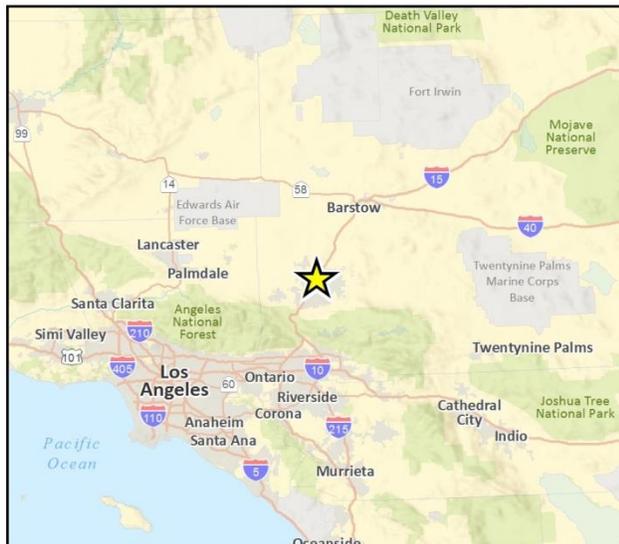


Fig 1 Regional Location



Figure 2. Project Location Map



Imagery provided by Google and its licensors © 2018.

Fig 2 Project Location



Photograph 1. Northeast corner of project site, facing south.



Photograph 2. Eastern perimeter of project site, facing west.



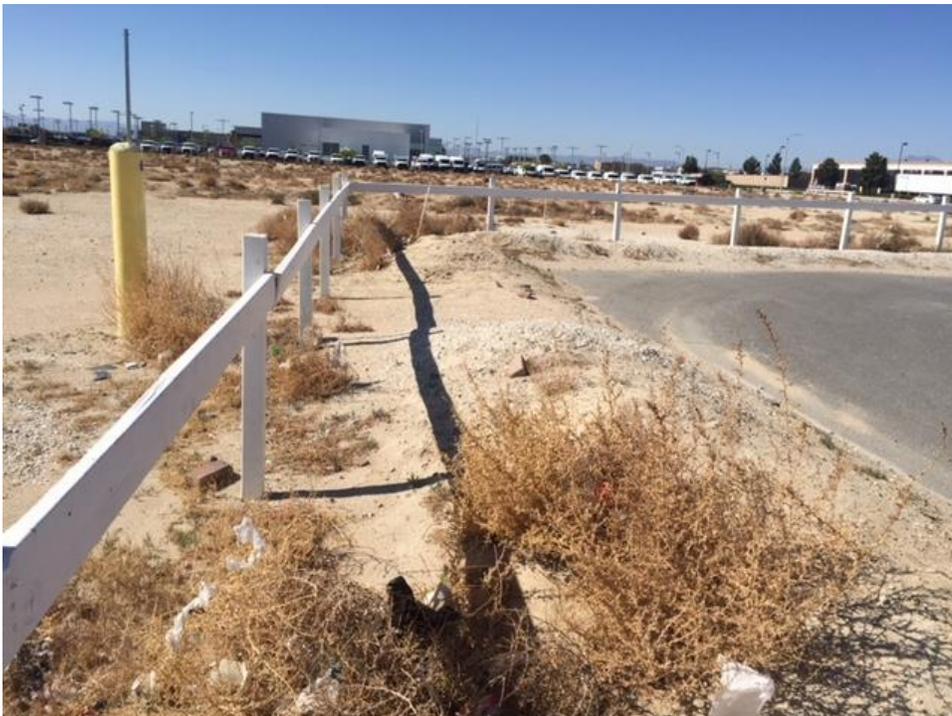
Photograph 3. Northeast corner of project site, facing west.



Photograph 4. Northeast corner (eastern perimeter) of project site, facing south.



Photograph 5. Middle of project site, facing east.



Photograph 6. Western perimeter of project, facing south.

APPENDIX C:

Geotechnical Study



**REVISED REPORT OF GEOTECHNICAL STUDY
PROPOSED AUTOMOTIVE DEALERSHIP
3 PARCEL LOT EAST OF CIVIC DRIVE
VICTORVILLE, CALIFORNIA
KLEINFELDER PROJECT NO. 20183689.0000**

JUNE 29, 2018 (REVISED AUGUST 30, 2018)

PREPARED FOR:

**CENTERPOINT INTEGRATED SOLUTIONS
355 UNION BOULEVARD, SUITE 301
LAKEWOOD, COLORADO**

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June 29, 2018 (Revised August 30, 2018)
Kleinfelder Project No. 20183822.001A

Ms. Stacie Haggerson
CenterPoint Integrated Solutions
355 Union Boulevard, Suite 301
Lakewood, Colorado 80228

**SUBJECT: Revised Report of Geotechnical Services
Proposed Automotive Dealership
3 Parcel Lot East of Civic Drive
Victorville, California**

Dear Ms. Haggerson:

Kleinfelder is pleased to present this revised report summarizing the geotechnical study performed for the subject site, located on the east side of Civic Drive, approximately 600 feet south of Roy Rogers Drive in Victorville, California. This report has been revised to provide an update to boring log B-28. The purpose of our geotechnical study was to evaluate the subsurface soil conditions beneath the project site and provide geotechnical recommendations for the design and construction. A percolation study was performed to evaluate the shallow soils related to the onsite infiltration of storm water.

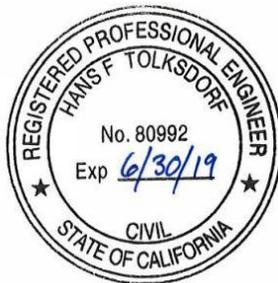
It is our professional opinion that the site is suitable from a geotechnical perspective for the proposed project provided the recommendations presented in this report are properly incorporated into design and construction of the project.

We appreciate the opportunity to provide geotechnical engineering services to you on this project. If you have any questions regarding this report or if we can be of further service, please do not hesitate to contact the undersigned.

Sincerely,

KLEINFELDER, INC.

Hans Tolksdorf, PE
Project Engineer



Jeffery D. Waller, PE, GE
Senior Geotechnical Engineer



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FIGURES

- 1 Site Vicinity Map
- 2 Field Exploration Location Map

APPENDICES

- A Field Explorations
- B Laboratory Testing
- C Borehole Infiltration Testing

1 INTRODUCTION

This report presents the results of our geotechnical study for the proposed CarMax Automotive Dealership. The subject site is located on the east side of Civic Drive, approximately 600 feet south of Roy Rogers Drive in Victorville, California (Site). The location of the proposed site is shown on Figure 1, Site Vicinity Map. The purpose of this geotechnical study was to evaluate the subsurface soil conditions at the site in order to provide geotechnical recommendations for the design and construction of the proposed development. The scope of our services was presented in our proposal dated December 19, 2017.

1.1 PROJECT DESCRIPTION

We understand that the proposed project will consist of constructing an approximately 4,909-square-foot (sf) sales floor, a 1,197 sf presentation area, a 4,309 sf retail service area, and a 936 sf carwash, as shown on Figure 2, Field Exploration Location Map. The anticipated maximum foundation loading for the proposed structures are 120 kips for column loads and 4 kips per foot for wall loads. We understand that the remaining portion of the site will be paved and used for vehicle parking and drive aisles.

We anticipate that the parking lot and drive aisles will consist of asphaltic concrete and the trash storage area will utilize Portland cement concrete (PCC). Ancillary construction is anticipated to include concrete flat work, landscaping, and the installation of buried utilities. The Water Quality Management Plan (WQMP) for the site may include infiltration or detention-type best management practices (BMPs) designed to manage storm water runoff.

1.2 SCOPE OF SERVICES

The scope of our geotechnical study consisted of a literature review, subsurface exploration, onsite percolation testing, geotechnical laboratory testing, engineering evaluation and analysis, and preparation of this report. Kleinfelder's scope of services for this project also included preparation of a Phase 1 Environmental Site Assessment, a Wetlands and Endangered Species Evaluation, and Cultural Resources Evaluation which are presented in separate reports.

Our geotechnical report includes a description of the work performed, a discussion of the geotechnical conditions observed at the site, and preliminary recommendations developed from

our engineering analysis of field and laboratory data. An information sheet prepared by Geoprofessional Business Association (GBA) is also included. We recommend that all individuals utilizing this report read the limitations along with the attached GBA document. A description of our scope of services performed for this project is presented below.

Task 1 – Background Data Review. We reviewed published and unpublished geologic literature in our files and the files of public agencies, including selected publications prepared by the California Geological Survey (formerly known as the California Division of Mines and Geology) and the U.S. Geological Survey. We also reviewed readily available seismic and faulting information, including data for designated earthquake fault zones and our in-house database of faulting in the general site vicinity. In addition, we reviewed SWRCB GeoTracker website (<http://geotracker.waterboards.ca.gov/>) for nearest depth to groundwater elevation data.

Task 2 – Field Exploration. The subsurface conditions at the site were explored by excavating and logging thirty-five (35) hollow-stem auger geotechnical borings and 5 infiltration borings. The geotechnical borings were drilled to depths ranging from approximately 20 to 50 feet below the existing ground surface (bgs) and the infiltration borings were excavated to approximately 5 feet bgs. The locations of our borings are shown on Figure 2, Field Exploration Location Map.

Prior to commencement of the fieldwork, each of our proposed exploration locations were cleared for known existing utility lines and with the participating utility companies through Underground Service Alert (USA). A Kleinfelder representative supervised the field operations and logged the borings. Selected bulk and drive samples were retrieved, sealed and transported to our laboratory for further evaluation. Our typical sampling interval was every 5 feet to full depths explored. The number of blows necessary to drive both Standard Penetration Test (SPT) and modified California-type samplers were recorded. A description of the field exploration and the logs of the borings, including a Legend to the Logs of Borings, are presented in Appendix A, Field Explorations.

Percolation testing was also performed in Borings INF-1 through INF-5. The testing was performed in general accordance with the Technical Guidance Document for Water Quality Management Plans, prepared by CDM Smith Inc. for The County of San Bernardino Areawide

Stormwater Program, dated June 7, 2013. The results are discussed below and presented in Appendix C, Borehole Infiltration Testing.

Task 3 – Laboratory Testing. Laboratory testing was performed on representative samples of soil collected from our excavations to substantiate field classifications and to provide engineering parameters for geotechnical design. Laboratory testing included moisture determination and unit weight, sieve analysis, direct shear, maximum dry density and optimum moisture, R-Value, and preliminary corrosivity testing. A summary of the testing performed, and the results are presented in Appendix B, Laboratory Testing.

Task 4 – Geotechnical Analyses. Field and laboratory data were analyzed in conjunction with the proposed site plan presented on Figure 2 and our assumed structural loads to develop geotechnical recommendations for the design and construction of the proposed development. We evaluated potential foundation systems, lateral earth pressures, settlement, and earthwork considerations. Potential geologic hazards, such as ground shaking, liquefaction potential, flood hazard, fault rupture hazard and seismically-induced settlement, were also evaluated.

Task 5 – Report Preparation. This report summarizes the work performed, data acquired, and our findings, conclusions, and geotechnical recommendations for the design and construction of the proposed development. Recommendations for the following are presented in this report:

- Earthwork, including site preparation, excavation, site drainage, and the placement of engineered fill;
- Design of suitable foundation systems including allowable capacities, lateral resistance, and settlement estimates;
- Seismic design parameters in accordance with the 2016 California Building Code;
- Floor slab and slab-on-grade support, including subgrade preparation;
- Lateral earth pressures for design of minor retaining walls; and
- Design and construction of asphalt and Portland cement concrete pavements, including driveways, fire lanes, and concrete walks.

This report also contains reference maps and graphics, as well as the logs of the borings and laboratory test results.

2 SITE AND SUBSURFACE CONDITIONS

2.1 SITE DESCRIPTION

The proposed automotive dealership is located on the east side of Civic Drive, approximately 600 feet south of Roy Rogers Drive in Victorville, California, as shown in Figure 1, Site Vicinity Map. It is situated on a 6.3-acre parcel of land identified by the San Bernardino County Assessor as Assessor's Parcel Numbers (APNs) 3106-261-26, 3106-261-27, 3106-261-28, and 3106-261-29.

The lot is an undeveloped piece of land located within a commercial area. Based on the ALTA survey provided, the center of the lot has an approximate elevation of 2,938 feet above mean sea level (MSL) that slopes gently to the north northeast to the surrounding I-15 on-ramp and adjacent parking lot. At the time of our field exploration, the site was partially covered by low-lying dry desert vegetation.

2.2 SUBSURFACE CONDITIONS

The subject site is located within the western portion of the Mojave Desert Section of the Basin and Range geomorphic province of California (Norris and Webb, 1990). The project site is underlain by early Pleistocene to Late Pliocene ancestral Mojave River deposited alluvium. The alluvium consists of loose to very dense sand and gravel deposits derived from the weathering of the San Bernardino Mountains located south-southeast of the site. The surface deposit is locally composed of an eroded soil profile comprising an argillic horizon and an underlying calcic horizon (USGS, 2008). The geology at the site and the surrounding areas is presented on Figure 3, Regional Geologic Map.

Soils encountered during the field investigation consisted of approximately 15 to 20 feet of alluvial soils which generally consisted of silty sands and poorly graded sands. Below approximately 20 feet below the ground surface (bgs) alluvial soils consist of poorly graded sand and sand with gravel deposits to the maximum depths of our deepest boring (B-22) at 50 feet bgs. Detailed descriptions of the alluvial soil are provided in our boring logs presented in Appendix A.

2.2.1 Alluvial/Residual Soils

The soils generally consisted of silty sands and poorly graded sands with some gravel layers and were encountered at the ground surface to depths of approximately 50 feet bgs. Generally,

the density of the subsurface soils was dense to very dense. The dry density of the alluvial soils ranged from 81.5 pcf to 130.5 pcf and the moisture contents ranged from 1.3 to 22.0 percent.

2.3 GROUNDWATER CONDITIONS

Groundwater was not encountered onsite in any of our borings drilled at the site. Depths of the borings ranged from approximately 20 feet to 50 feet bgs. Based on information from the SWRCB GeoTracker (2018), the nearest available depth to water measurement of 93 ft bgs is at approximately 0.5 mile east of the site. Based on the results of our borings and available research, groundwater at the site is anticipated to be greater than 50 feet below the ground surface.

Fluctuations of localized zones of perched water and rise in soil moisture content should be anticipated during the rainy season. Irrigation of landscaped areas may also lead to an increase in soil moisture content and fluctuations of intermittent shallow perched groundwater levels.

3 GEOLOGIC CONDITIONS

3.1 REGIONAL GEOLOGY

The subject site is located within the western portion of the Mojave Desert Section of the Basin and Range geomorphic province of California (Norris and Webb, 1990). The Basin and Range Province extends eastern California to central Utah, from southern Oregon and Idaho on the North, to southern Arizona and southwestern New Mexico. The California portion of the province includes the Mojave Desert a large triangular area bounded by the Colorado River on the east, Garlock fault of the north, and by the San Gabriel and San Bernardino mountains and San Andreas fault on the south.

3.2 SITE GEOLOGY

According to a review of available reports and maps, the project site is underlain by early Pleistocene to Pliocene alluvium of the ancestral Mojave River (Qoam). The near surface alluvium consists of loose to well-consolidated sand and gravel deposits derived from the weathering of the San Bernardino Mountains located south-southeast of the Site. The surface deposit is locally composed of eroded soil profile comprising an argillic horizon and an underlying calcic horizon (USGS, 2008). Surficial deposits observed consist primarily of colluvial/alluvial soils of fine alluvial silty sands with varying silt and some gravel content to depths ranging from approximately zero to 50 feet bgs.

3.3 GEOLOGIC HAZARDS

We have addressed below the potential geologic hazards for the site. Where these hazards are present on site, additional discussion follows in subsequent sections.

3.3.1 Active and Potentially Active Fault Search

Earthquakes and faulting occurs as the tectonic plates, which comprise the Earth's crust, or lithosphere, move relative to one-another. Faults identified by the State as being active are not known to be present at the surface within the project limits. No portion of the site is located within a State of California-Special Studies Zone, formerly Alquist-Priolo Earthquake Fault Zone (Bryant and Hart, 2007). The closest zoned fault to the site is the North Frontal Fault Zone (Western Segment). The nearest active fault segment associated with this zone is located approximately 10 miles to the southeast (CDMG, 2018) which is also known as Ord Mountain

Fault. The North Frontal Fault is a southern dipping reverse fault, being approximately 50.1 kilometers in length, with an estimated maximum moment magnitude of MW 7.2, and an associated slip-rate of 1 ± 0.5 mm/year (CDMG, 1996; Cao et al., 2003; and Petersen et al., 2008). In many places there are high well-developed scarps, which have formed in older Quaternary deposits and are moderately degraded. Because of the distance to known active faults the risk of surface rupture resulting from faulting is considered low.

3.3.2 Flooding

Surface water flow at the site is generally via sheet flow from the southwest portion of the site towards the property boundary limits.

The site is within a flood hazard zone "X" according to Federal Emergency Management Agency (FEMA), where the flood hazard is "determined to be outside the 0.2% annual chance floodplain" (FEMA, 2008).

A seiche is a wave or sloshing of a body of water that is at least partially impounded caused by strong wind or seismic shaking. The site is not downstream of large bodies of water or tanks which potentially could causes flooding and inundate the project site. The risk of seiche damage following a seismic event at the site is considered low.

3.3.3 Landslides

Landslides and other forms of mass wasting, including mud flows, debris flows, soil slips, and rock falls occur as soil or rock moves down slope under the influence of gravity. Landslides are frequently triggered by intense rainfall or seismic shaking. The site is not located within a State or county designated landslide hazard zone. The site generally slopes to the west with a low hill in the north central portion of the site. The risk at the site from landslides and other forms of mass wasting is considered very low.

3.3.4 Subsidence

The potential for subsidence at the site is considered low based on the results of our document review, and our field and laboratory analysis.

3.3.5 Expansive Soils

Expansive soils are characterized by their ability to undergo significant volume changes (shrink or swell) due to variations in moisture content. Changes in soil moisture content can result from precipitation, landscape irrigation, utility leakage, roof drainage, perched groundwater, drought, or other factors and may result in unacceptable settlement or heave of structures or concrete slabs supported on grade.

The upper soils generally consisted of sandy silts, and silty sands. Based on the granular nature of the soil, the expansion potential is anticipated to be low.

4 CONCLUSIONS AND RECOMMENDATIONS

4.1 GENERAL

Based on the results of our field exploration, laboratory testing and geotechnical analyses conducted during this study, it is our professional opinion that the proposed project is geotechnically feasible, provided the recommendations presented in this report are incorporated into the project design and construction.

The following opinions, conclusions, and recommendations are based on the properties of the materials encountered in the explorations, the results of our literature review, the results of the laboratory testing program, and our engineering analyses performed. Our recommendations regarding the geotechnical aspects of the design and construction of the project are presented in the following sections.

4.2 SEISMIC DESIGN CONSIDERATIONS

4.2.1 General

The site is located in a seismically active region of southern California. The proposed site can be expected to be subject to strong seismic shaking during its design life. Potential seismic hazards include ground shaking, localized liquefaction, ground rupture due to faulting, and seismic settlement. The following sections discuss these potential seismic hazards where relevant with respect to this site.

4.2.2 Seismic Design Parameters

According to the 2016 California Building Code (CBC), every structure, and portion thereof, including non-structural components that are permanently attached to structures and their supports and attachments, shall be designed and constructed to resist the effects of earthquake motions in accordance with ASCE 7-10, excluding Chapter 14 and Appendix 11A. The Seismic Design Category for a structure may be determined in accordance with Section 1613.3.5 of the 2016 CBC.

The Risk-Targeted Maximum Considered Earthquake (MCE_R) mapped spectral accelerations for 0.2 seconds and 1 second periods (S_s and S_1) were estimated using Section 1613.3 of the 2016 CBC and the U.S. Geological Survey (USGS) web-based application (USGS, 2018). The

mapped acceleration values and associated soil amplification factors (F_a and F_v) based on the 2016 CBC and corresponding site modified spectral accelerations (S_{MS} and S_{M1}) and design spectral accelerations (S_{DS} and S_{D1}) are presented in Table 1.

Table 1
2016 CBC Seismic Design Parameters

DESIGN PARAMETER	RECOMMENDED VALUE
Site Class (Table 1613.5.2)	D
S_s (Figure 22-1) (g)	1.475
S_1 (Figure 22-2) (g)	0.580
F_a (Table 11.4-1)	1.0
F_v (Table 11.4-2)	1.5
S_{MS} (Equation 11.4-1) (g)	1.475
S_{M1} (Equation 11.4-2) (g)	0.870
S_{DS} (Equation 11.4-3) (g)	0.984
S_{D1} (Equation 11.4-4) (g)	0.580
PGA_m (g)	0.500

4.2.3 Liquefaction and Seismic Settlement

The term liquefaction describes a phenomenon in which saturated, cohesionless soils temporarily lose shear strength (liquefy) due to increased pore water pressures induced by strong, cyclic ground motions during an earthquake. Structures founded on or above potentially liquefiable soils may experience bearing capacity failures due to the temporary loss of foundation support, vertical settlements (both total and differential), and undergo lateral spreading. The factors known to influence liquefaction potential include soil type, relative density, grain size, confining pressure, depth to groundwater, and the intensity and duration of the seismic ground shaking. The cohesionless soils most susceptible to liquefaction are loose, saturated sands and some silt.

The characteristics of the soil, and depth to groundwater indicate that the site has a remote potential for liquefaction and dry seismic settlement during a design-level earthquake is calculated to be ¼-inch or less.

4.3 FOUNDATIONS

4.3.1 General

Based on our analysis, the anticipated structural loads for the proposed building may be supported on conventional shallow foundations underlain by engineered fill provided that the building pad preparation recommendations included in this report are implemented. Recommendations for shallow foundations are presented in the following sections.

4.3.2 Allowable Bearing Capacity

Based on the current layout of the building, spread foundations underlain by a minimum of 3 feet of engineered fill may be designed for a net allowable bearing pressure of 3,000 pounds per square foot (psf) for dead plus sustained live loads. Footings should be established at a depth of at least 18 inches below the lowest adjacent grade or finished slab grade, whichever is deeper. Thus, for interior column footings, embedment may be considered from the top of slab based on our understanding that the floor slabs will be a minimum of 6 inches thick directly over the finished subgrade pad (no gravel or sand between the engineered fill and floor slab). Where the slab is loaded in proximity to the columns, or above the underlying spread foundation, the allowable bearing pressure of the footing remains 3,000 psf and should include the slab load.

The building perimeter footings should be embedded at least 24 inches into engineered fill soils and be a minimum of 24 inches wide. Embedment for perimeter footings should not be considered from top of pavements, flatwork, or aggregate base grades. The footing dimensions and reinforcement should be designed by the structural engineer. Footings should be deepened as needed based on the recommendations in Section 4.3.5 to avoid surcharging existing buried utilities and/or walls. The engineered fill should be prepared as recommended in Section 4.4.

The allowable bearing pressure provided above is a net value; therefore, the weight of the foundation (which extends below grade) may be neglected when computing dead loads. The allowable bearing pressure applies to dead plus live loads. This value may be increased by one-third for short-term loading due to wind or seismic forces.

4.3.3 Estimated Settlements

Total static settlement for foundations designed in accordance with the recommendations presented herein is estimated to be less than 1 inch. Differential static settlement between similarly loaded columns is estimated to be less than 1/2 inch over 40 feet.

4.3.4 Lateral Resistance

Resistance to lateral loads (including those due to wind or seismic forces) may be provided by frictional resistance between the bottom of concrete foundations and the underlying soils and by passive soil pressure against the sides of the foundations. A coefficient of friction of 0.40 may be used between cast-in-place concrete foundations and the underlying soil. The ultimate passive pressure available for engineered fill may be taken as equivalent to the pressure developed by a fluid with a unit weight of 300 pounds per cubic foot (pcf). A one-third increase in the passive resistance may be used for resistance to transient loads such as wind and seismic. The upper one foot of soil should be neglected when calculating passive resistance.

The lateral resistance parameters provided above are ultimate values. Therefore, a suitable factor of safety should be applied to these values for design purposes. The appropriate factor of safety will depend on the design condition and should be determined by the project Structural Engineer. Depending on the application, typical factors of safety could range from 1.5 to 2.0.

4.3.5 Foundations Adjacent to Buried Utilities

To avoid surcharging existing utilities and walls below grade, foundations should be deepened below a 1:1 (H:V) plane projected from the bottom of the utility or wall. Alternatively, the utilities or wall could be evaluated for potential surcharge pressures due to the foundation loads.

4.4 EARTHWORK

4.4.1 General

Recommendations for site preparation are presented below. All site preparation and earthwork operations should be performed in accordance with applicable codes, safety regulations and other local, state or federal specifications. All references to maximum unit weights are established in accordance with the latest version of ASTM Standard Test Method D1557.

Grading operations during the wet season or in areas where the soils are saturated may require provisions for drying of soils prior to compaction. If the project necessitates fill placement and compaction in wet conditions, we can provide suggested alternative recommendations for drying the soil. Conversely, additional moisture may be required during the dry months. A sufficient water source should be available to provide adequate water during compaction. During dry months, moisture conditioning of the subgrade soils may be required if left exposed for greater than a few days.

4.4.2 Site Preparation

Prior to general site grading, existing vegetation, debris, and oversized materials (greater than 3 inches in maximum dimension) should be stripped and disposed outside the construction limits. We estimate the depth of stripping to be approximately 6 to 12 inches over most portions of the site. Deeper stripping or grubbing may be required where higher concentrations of vegetation are encountered during site grading. Stripped topsoil (less any debris) may be stockpiled and reused for landscaping purposes; however, this material should be evaluated for suitability if it is desired to use this material for engineered fill below structures.

All debris, including any produced by demolition operations, (wood, steel, piping, plastics, etc.), should be separated and disposed offsite. Existing utility pipelines (if encountered) which extend beyond the limits of the proposed construction and are to be abandoned in place should be plugged with cement grout to prevent migration of soil and/or water. Demolition, disposal, and grading operations should be observed and tested by a representative from our office.

4.4.3 Overexcavation

Recommendations for overexcavation of the building pads (building foundations and floor slabs) and parking lot (pavements) are presented below. All site preparation and earthwork operations should be performed in accordance with applicable codes, safety regulations and other local, state or federal specifications. All references to maximum unit weights are established in accordance with the latest version of ASTM Standard Test Method D1557.

Structural Areas Supporting Spread Footings:

In order to provide uniform support for the proposed spread foundations and slab-on-grade floors, we recommend that spread footings be founded on engineered fill. Foundations supported on engineered fill should be overexcavated to a depth of at least 2 feet below the bottom of foundations. Footing excavations should be observed, evaluated, and approved by Kleinfelder prior to placement of concrete.

In areas to receive fill, the existing soil should be excavated to a depth of at least 2 feet from existing grade and be replaced as engineered fill. Depending on the observed variable condition of the existing soils, deeper overexcavation may be required in some areas. The overexcavation should extend horizontally at least 5 feet beyond the edges of foundations and/or a distance equivalent to the thickness of anticipated fill below the footing, whichever is greater.

Non-Structural Areas:

For non-structural areas, pavements, sidewalks, other flatwork, etc., we recommend that the existing soils be overexcavated and replaced as engineered fill. We recommend that the existing onsite soils be overexcavated and be replaced as engineered fill to a depth of at least 18 inches below existing grade and at least 18 inches below finished subgrade, whichever is deeper. Depending on the observed condition of the existing soils and the observation of soil porosity and animal burrows during our investigation, deeper overexcavation may be required in some areas. The overexcavation should extend beyond the proposed improvements a horizontal distance of at least two feet.

After site preparation and overexcavation, and prior to scarification or placement of compacted fills, the excavation bottom should be observed, evaluated, and approved by Kleinfelder. Additional removals may be needed if significant porosity or other adverse conditions are observed. If the bottom of the overexcavation is observed to be in competent bedrock, scarification and recompaction is not needed. Otherwise, the subgrade should be scarified to a depth of approximately 8 inches, moisture conditioned to at least optimum moisture content; and recompacted. After compaction, the subgrade should be proof rolled using equipment with sufficient weight to evaluate surface deflection. Proof rolling should be performed to verify that the subgrade soils are firm and unyielding at the depth of the recommended overexcavation presented above.

4.4.5 Engineered Fill

We anticipate that most of the on-site soils may be reusable as engineered fill once any debris and oversized materials greater than 3 inches in diameter have been removed, and after any vegetation and organic debris is cleared. Engineered fill should contain less than 2 percent organic content and maximum material size should be less than 3 inches in maximum dimension. Disturbed/tilled soil, less vegetation, may be used in landscape areas, exported or placed in a controlled manner and blended with the onsite soils, provided that the resulting engineered fill contains less than 2 percent organic content.

Fill should be placed in lifts no greater than 8 inches thick, loose measurement, and should be compacted to at least 90 percent of the maximum dry density. The moisture content of the on-site soils should be near optimum moisture at the time of compaction.

Engineered fill placed below pavement should be compacted to at least 90 percent of maximum dry density obtained by the ASTM D1557 method of compaction with the upper 12 inches below pavements compacted to at least 95 percent relative compaction.

Although not anticipated, any imported fill materials to be used for engineered fill should be sampled and tested for approval by the geotechnical engineer prior to being transported to the site. The expansion index of an imported soil should be less than 20. In general, well-graded mixtures of gravel, sand and non-plastic silt are acceptable for use as import fill. A minimum notice of 3 working days will be required to allow for qualification testing prior to compaction of imported materials.

4.4.6 Excavation Characteristics

The borings were advanced using a truck-mounted, hollow-stem auger drill rig. Drilling was completed with moderate effort through the existing site soil. Based on our estimate of excavation depth, conventional earth moving equipment should be capable of performing the soil excavations.

4.4.8 Temporary Excavations

All excavations must comply with applicable local, state, and federal safety regulations including the current OSHA Excavation and Trench Safety Standards. Construction site safety generally is the sole responsibility of the Contractor, who shall also be solely responsible for the means, methods, and sequencing of construction operations. We are providing the information below solely as a service to our client. Under no circumstances should the information provided be interpreted to mean that Kleinfelder is assuming responsibility for construction site safety or the Contractor's activities; such responsibility is not being implied and should not be inferred.

Temporary, shallow excavations with vertical side slopes less than 4 feet high should generally be stable, although sloughing may be encountered. Vertical excavations greater than 4 feet high should not be attempted without appropriate shoring to prevent local instability. All trench excavations should be braced and shored in accordance with good construction practice and all applicable safety ordinances and codes. The contractor should be responsible for the structural design and safety of the temporary shoring system, and we recommend that this design be submitted to Kleinfelder for review to check that our recommendations have been incorporated.

Stockpiled (excavated) materials should be placed no closer to the edge of an excavation than a distance equal to the depth of the excavation, but no closer than 4 feet. All trench excavations should be made in accordance with OSHA requirements.

4.4.9 Pipe Bedding and Trench Backfill

Pipe bedding and pipe zone material should consist of sand or similar granular material having a minimum sand equivalent value of 30. Onsite soils may be suitable, but should be tested and approved by the engineer of record prior to use. The sand should be placed in a zone that extends a minimum of 6 inches below and 6 inches above the pipe for the full trench width. The bedding material should be compacted to a minimum of 90 percent of the maximum dry density or to the satisfaction of the geotechnical engineer's representative observing the compaction of the bedding material. Bedding material should consist of sand, gravel, crushed aggregate, or native free-draining granular material with a maximum particle size of $\frac{3}{4}$ inch. Bedding materials should also conform to the pipe manufacturer's specifications, if available. Trench backfill above bedding and pipe zone materials may consist of approved, on-site or import soils placed in lifts

no greater than 8 inches loose thickness and compacted to 90 percent of the maximum dry density based on ASTM Test Method D1557. Jetting of backfill is not recommended. The on-site soils are suitable for backfill of utility trenches from 6 inches above the top of the pipe to the surface provided the material is free of organic and deleterious substances and material greater than 6 inches in maximum dimension.

4.4.10 Stockpiling Excess Material

All stockpiles of excess soil materials should be kept away from the top of the excavations a minimum distance equal to the depth of the excavation. We recommend that stockpiles be constructed with a slope ratio of at least 2:1 (horizontal to vertical) and compacted to at least 85 percent relative compaction. Compaction requirements and slope ratios are provided only for temporary stockpiling considerations, such as erosion control and temporary influences on excavations. We have not considered any long-term or structural support usage of stockpiles.

4.5 CONCRETE SLABS SUPPORTED ON GRADE

4.5.1 General

Slab-on-grade floors should be underlain by engineered fill as discussed in the Earthwork Section of this report. The structural engineer should design the slabs for any specific loading conditions. A modulus of subgrade reaction of 150 pounds per cubic inch may be used for design. The moisture content of the upper 18 inches of engineered fill should be at the recommended range for fill compaction at the time the floor slab is constructed. Precautions should be taken so as not to allow the upper engineered fill below the slab to dry out below the recommended moisture range between completion of the building pad and construction of the floor slab.

Construction activities and exposure to the environment can cause deterioration of the prepared subgrade. We recommend that a Kleinfelder representative inspect the final subgrade conditions prior to placement of the concrete, and if necessary, perform additional moisture and density testing to determine the subgrade suitability. A low slump concrete should be used to reduce possible curling of the slab.

4.5.2 Exterior Flatwork

Where exterior flatwork, such as sidewalks, are to be constructed, the subgrade should be prepared by being scarified to a depth of 8 inches and moisture conditioned to a moisture content near optimum, and recompact as recommended in the Earthwork Section of this report. Exterior, structurally loaded flatwork, such as truck docks or trash enclosures should adhere to the recommendations for rigid pavement presented in this report.

4.5.3 Vapor Barrier

Subsurface moisture and moisture vapor naturally migrate upward through the soil and, where the soil is covered by a building or pavement, this subsurface moisture will collect. To reduce the impact of this subsurface moisture and the potential impact of future introduced moisture (such as landscape irrigation or precipitation) on moisture sensitive flooring, we recommend placement of a vapor barrier. Selection and placement of a vapor barrier should be performed based on the applicable American Concrete Institute (ACI) procedures and/or the project Structural Engineer.

4.5.4 Concrete Curing and Flooring

Various factors such as surface grades, adjacent planters, the quality of slab concrete and the permeability of the on-site soils affect slab moisture and can control future performance. In many cases, floor moisture problems are the result of either improper curing of floor slabs or improper application of flooring adhesives. We recommend contacting a flooring consultant experienced in the area of concrete slab-on-grade floors for specific recommendations regarding your proposed flooring applications. Special precautions must be taken during the placement and curing of all concrete slabs. Excessive slump (high water-cement ratio) of the concrete and/or improper curing procedures used during either hot or cold weather conditions could lead to excessive shrinkage, cracking or curling of the slabs. High water-cement ratio and/or improper curing also greatly increase the water vapor permeability of concrete. We recommend that all concrete placement and curing operations be performed in accordance with the ACI Manual.

It is emphasized that we are not floor moisture-proofing experts. We make no guarantee, nor provide any assurance that use of the capillary break/vapor retarder system will reduce concrete slab-on-grade floor moisture penetration to any specific rate or level, particularly those

required by floor covering manufacturers. The builder and designers should consider all available measures for slab moisture protection.

4.6 RETAINING WALLS

Based on our understanding of the site, we do not anticipate that retaining walls will be greater than three feet based on existing grades. If retaining walls greater than six feet are planned, we should be contacted and additional evaluation may be needed. For preliminary design considerations we have provided the following criteria which may be used for retaining walls 6 feet or less in retained height. We should be contacted to evaluate walls greater than six feet as they will include analysis of seismic lateral forces.

4.6.1 General

Design earth pressures for retaining walls depend primarily on the allowable wall movement, wall inclination, type of backfill materials, backfill slopes, surcharges, and drainage. The earth pressures provided assume that the wall is 6 feet or less and a non-expansive backfill will be used and a drainage system will be installed behind the walls, so that external water pressure will not develop. If a drainage system will not be installed, the wall should be designed to resist hydrostatic pressure in addition to the earth pressure as well as reinforcement that should be protected from rust or other corrosion-inducing effects of moisture. Determination of whether the active or at-rest condition is appropriate for design will depend on the flexibility of the walls. Walls that are free to rotate at least 0.002 radians (deflection at the top of the wall of at least $0.002 \times H$, where H is the unbalanced wall height) may be designed for the active condition. Walls that are not capable of this movement should be assumed rigid and designed for the at-rest condition. The recommended active and at-rest earth pressures and passive resistance values are provided in Table 2.

Table 2
Earth Pressures for Retaining Walls
(Non-Expansive Backfill)

Wall Movement	Equivalent Fluid Pressure Level Backfill
Free to Deflect (active condition)	45
Restrained (at-rest condition)	65

In addition to the above lateral pressure, undrained walls will have to be designed for full hydrostatic pressure. The above lateral earth pressures do not include the effects of surcharges (e.g., traffic, footings), compaction, or truck-induced wall pressures. Any surcharge (live, including traffic, or dead load) located within a 1:1 plane drawn upward from the base of the excavation should be added to the lateral earth pressures. The lateral contribution of a uniform surcharge load located immediately behind walls may be calculated by multiplying the surcharge by 0.33 for cantilevered walls and 0.50 for restrained walls. Walls adjacent to areas subject to vehicular traffic should be designed for a 2-foot equivalent soil surcharge (240 psf). Lateral load contributions from other surcharges located behind walls may be provided once the load configurations and layouts are known.

4.6.2 Backfill Compaction

Care must be taken during the compaction operation not to overstress the wall. Wall backfill should be compacted to a least 90 percent relative compaction; however, heavy construction equipment should be maintained a distance of at least 3 feet away from the walls while the backfill soils are being placed. Kleinfelder should be contacted when development plans are finalized for review of wall and backfill conditions on a case-by-case basis.

4.6.3 Drainage

Walls should be properly drained or designed to resist hydrostatic pressures. Adequate drainage is essential to provide a free-drained backfill condition and to limit hydrostatic buildup behind the wall. Walls should also be appropriately waterproofed and include weep holes for drainage. In lieu of weep holes, a 4-inch diameter perforated PVC pipe, placed perforations down leading to a suitable gravity outlet, should be installed at the base of the walls.

4.7 STORM WATER MANAGEMENT

Kleinfelder understands that, as part of storm water management for the project, Infiltration Best Management BMPs, such as near surface bioswales, are being considered. We performed five borehole infiltration tests in accordance with the San Bernardino County guidelines in order to provide recommendations for designing subterranean infiltration galleries. The borehole infiltration test results are presented in Appendix C.

As shown in Appendix C, the long-term design infiltration rates of the near surface soils range from approximately 0.21 to 0.36 inches per hour. Based on the results from our testing, our knowledge of the project, and our professional judgment, the following is a list of recommendations for development of the proposed project.

- The design should incorporate pre-treatment of influent water. Pre-treatment could consist of combinations of debris screens, sediment settling chambers, filters and/or other mechanisms.
- Maintenance of the facility should be performed annually or at more frequent intervals depending on frequency of storm events and infiltration system manufacturer's guidelines. The maintenance schedule may also be selected based on volume and turbidity of influent water, and final design of the facility.
- The facility should be designed with an outlet/overflow system to discharge into the storm drain.
- The facility should not be constructed within 10 feet of proposed or existing foundations.

4.8 DRAINAGE AND LANDSCAPING

It is important that positive surface drainage be provided to prevent ponding and/or saturation of the soils in the vicinity of foundations, concrete slabs-on-grade, or pavements. We recommend that the site be graded to carry surface water away from the improvements and that positive measures be implemented to carry away roof runoff. Poor perimeter or surface drainage could allow migration of water beneath the building or pavement areas, which may result in distress to project improvements. If planted areas adjacent to structures are desired, we suggest that care be taken not to over irrigate and to maintain a leak-free sprinkler piping system. In addition, it is recommended that planter areas next to buildings have a minimum of 5 percent positive fall

away from building perimeters to a distance of at least 5 feet. Drain spouts should be extended to discharge a minimum of 5 feet from the building, or some other method should be utilized to prevent water from accumulating in planters. Landscaping after construction should not promote ponding of water adjacent to structures.

4.9 EXPANSION POTENTIAL

Expansive soils are characterized by their ability to undergo significant volume change (shrink or swell) due to variations in moisture content. Changes in soil moisture content can result from rainfall, landscape irrigation, utility leakage, roof drainage, perched groundwater, drought, or other factors, and may cause unacceptable settlement or heave of structures, concrete slabs supported-on-grade, or pavements supported over these materials. Depending on the extent and location below finished subgrade, expansive soils can have a detrimental effect on structures. Due to the granular nature of the soils encountered, the expansion potential of the soil is estimated to be low.

4.10 SOIL CORROSION

The corrosion potential of the on-site materials to steel and buried concrete was preliminarily evaluated. Testing was performed in general accordance with California Test Methods 643, 417, and 422 for pH and resistivity, soluble chlorides, and soluble sulfates, respectively. The test results are presented in Table 3.

**Table 3
Corrosion Test Results**

Boring	Depth (ft)	Minimum Resistivity (ohm-cm)	pH	Soluble Sulfate Content (ppm)	Soluble Chloride Content (ppm)
B – 15	0 – 5	2400	8.6	44	52

These tests are only an indicator of soil corrosivity for the samples tested. Other soils found on site may be more, less, or of a similar corrosive nature. Imported fill materials should be tested to confirm that their corrosion potential is not more severe than those noted.

Although Kleinfelder does not practice corrosion engineering, resistivity values between 1,000 ohm-cm and approximately 3,000 ohm-cm are normally considered “Highly corrosive” to buried ferrous metals (NACE, 2006). The concentrations of soluble sulfates indicate that the potential

of sulfate attack on concrete in contact with the on-site soils is “negligible” based on ACI 318 Table 4.3.1 (ACI, 2011). Accordingly, a concrete mix and maximum water-cement ratios are not specified for these sulfate concentrations.

We recommend that a competent corrosion engineer be retained to evaluate the corrosion potential of the on-site soils to the proposed improvements, to recommend further testing as required, and to provide specific corrosion mitigation methods appropriate for the project, if desired.

4.1 PAVEMENT SECTIONS

4.11.1 Asphalt-Concrete Pavement Sections

The required pavement structural sections will depend on the expected wheel loads, volume of traffic, and subgrade soils. The Traffic Indexes (TI's) assumed should be reviewed by the project Owner, Architect, and/or Civil Engineer to evaluate their suitability for this project. Changes in the TI's will affect the corresponding pavement section. The pavement subgrade should be prepared just prior to placement of the base course. Positive drainage of the paved areas should be provided since moisture infiltration into the subgrade may decrease the life of pavements. Pavement sections for TI's of 5 and 7 are presented for asphalt concrete pavements in Table 4.

**Table 4
Preliminary Asphalt Concrete Pavement Sections
(Design R-value = 50)**

Traffic Use	Assumed Traffic Index (TI)	Asphalt Concrete (inches)	Class 2 Aggregate Base (inches)
Automobile-Parking and Traffic Areas	5	3.0	4.0
	7	3.0	6.5
Heavy Truck Access Way	7	4.0	4.5

The tested R-value result was 54 for near surface soils. We anticipate the final subgrade soils will consist of a blend of the upper and lower fill materials. As the generally accepted standard of practice and to account for soil variability across the site, the design subgrade R-value was averaged to be 50 for the purposes of our pavement calculations. Since the characteristics of

the near-surface soils can change as a result of grading, we recommend that the subgrade soils be retested for pavement support characteristics, to confirm the parameters used in design and allow for a possible reduction in structural section thickness. Pavement sections provided above are contingent on the following recommendations being implemented during construction.

- The pavement sections recommended above should be placed on at least 18 inches of engineered fill compacted to at least 90 percent of maximum dry density with the upper 12 inches compacted to 95 percent relative compaction. The overexcavation of the pavement areas should be conducted as recommended in the earthwork section of this report. Prior to fill placement, the exposed subgrade should be scarified to a depth of 8 inches, uniformly moisture conditioned to near optimum moisture content, and recompacted to at least 90 percent relative compaction.
- Subgrade soils should be in a stable, non-pumping condition at the time aggregate base materials are placed and compacted.
- Aggregate base materials should be compacted to at least 95 percent relative compaction.
- Adequate drainage (both surface and subsurface) should be provided such that the subgrade soils and aggregate base materials are not allowed to become wet.
- Aggregate base materials should meet current Caltrans specifications for Class 2 aggregate base rock or crushed miscellaneous base as specified in the "Standard Specifications for Public Work Construction" ("Greenbook").
- The asphalt pavement should be placed in accordance with "Green Book" specifications.
- All concrete curbs separating pavement and landscaped areas should extend into the subgrade and below the bottom of adjacent, aggregate base materials.

Pavement sections provided above are based on the soil conditions encountered during our field investigation, our assumptions regarding final site grades, and limited laboratory testing. Since the actual pavement subgrade materials exposed during grading may be significantly different than those tested for this study, we recommend that representative subgrade samples be obtained and additional R-value tests performed. Should the results of these tests indicate a significant difference, the design pavement section(s) provided above may need to be revised.

4.11.2 Portland Cement Concrete Pavement

Concrete pavements may be desirable in loading dock and trash collection areas. The concrete pavement should have a minimum 28-day compressive strength of 3,000 psi. Control joints should be spaced approximately every 11 feet. The concrete pavement section should be placed on at least 18 inches of engineered fill compacted to at least 90 percent of the maximum dry density. Prior to fill placement, the exposed subgrade should be scarified to a depth of 8 inches, uniformly moisture conditioned to the moisture content range recommended in Section 4.4 of this report. Table 5 presents our recommendations of Portland Cement Concrete pavement sections.

Table 5
Preliminary Recommended PCC Pavement Sections

TI	Concrete Compressive Strength (psi)	Concrete Thickness (inches)	Aggregate Base Thickness (in)
5	3,000	6.5	4
	4,000	6.0	4
7	3,000	7.0	4
	4,000	6.5	4

Aggregate base materials should meet current Caltrans specifications for Class 2 aggregate base, or crushed miscellaneous base as specified in the "Standard Specifications for Public Work Construction" ("Greenbook").

5 ADDITIONAL SERVICES

5.1 PLANS AND SPECIFICATIONS REVIEW

We recommend that a general review of the project plans and specifications be conducted before they are finalized to verify that our geotechnical recommendations have been properly interpreted and implemented during design. If we are not accorded the privilege of performing this review, we can assume no responsibility for misinterpretation of our recommendations. The review can be completed on a time-and-expense basis in accordance with our current Fee Schedule.

5.2 CONSTRUCTION OBSERVATION AND TESTING

The construction process is an integral design component with respect to the geotechnical aspects of a project. Because geotechnical engineering is an inexact science due to the variability of natural processes and materials, and because we sample only a small portion of the soils affecting the performance of the proposed project, unanticipated or changed conditions can be disclosed during grading. Proper geotechnical observation and testing during construction is imperative to allow the geotechnical engineer the opportunity to verify assumptions made during the design process. Therefore, we recommend that Kleinfelder be retained during the construction of the proposed development to observe compliance with the design concepts and geotechnical recommendations, and to allow design changes in the event that subsurface conditions or methods of construction differ from those assumed while completing this study.

6 LIMITATIONS

This report has been prepared for the exclusive use of CenterPoint Integrated Solutions and its consultants and contractors for specific application to the proposed CarMax Automotive Dealership. The findings, conclusions and recommendations presented in this report were prepared in a manner consistent with the standards of care and skill ordinarily exercised by members of our profession practicing under similar conditions in the geographic vicinity and at the time the services will be performed. No warranty or guarantee, express or implied, is made. Our field exploration program for the geotechnical study of this project was based on the approximate building locations provided to us by the client.

The client has the responsibility to see that all parties to the project, including the designer, contractor, subcontractors, etc., are made aware of this report in its entirety. This report contains information that may be useful in the preparation of contract specifications. However, this report is not designed as a specification document and may not contain sufficient information for this use without proper modification.

This report may be used only by the client and only for the purposes stated, within a reasonable time from its issuance, but in no event later than one year from the date of the report. Land use, site conditions (both on site and off site) or other factors may change over time, and additional work may be required with the passage of time. Any party, other than the client who wishes to use this report shall notify Kleinfelder of such intended use. Based on the intended use of this report and the nature of the new project, Kleinfelder may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the client or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party and the client agrees to defend, indemnify, and hold harmless Kleinfelder from any claims or liability associated with such unauthorized use or non-compliance.

The scope of our geotechnical services did not include any environmental site assessment for the presence or absence of hazardous/toxic materials, including methane or other landfill related gases. Kleinfelder will assume no responsibility or liability whatsoever for any claim, damage, or injury which results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials.

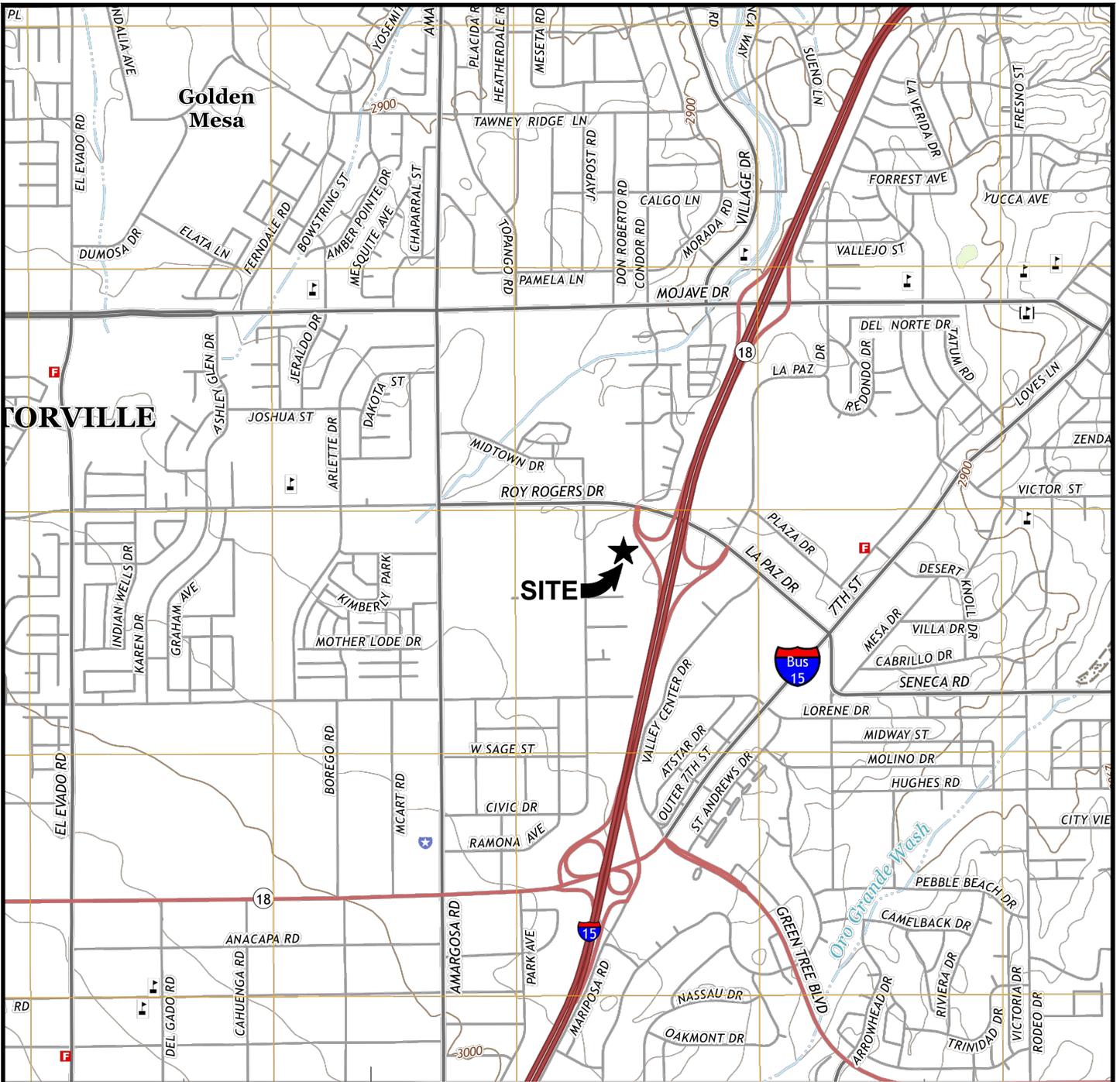
7 REFERENCES

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FIGURES

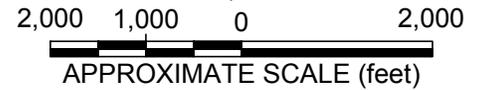
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SOURCE: U.S.G.S. 7.5' Topographic series, Victorville, California Quadrangle 2015.

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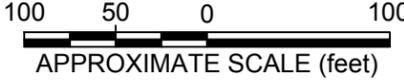
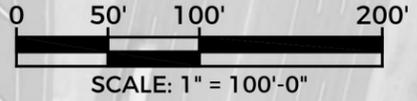
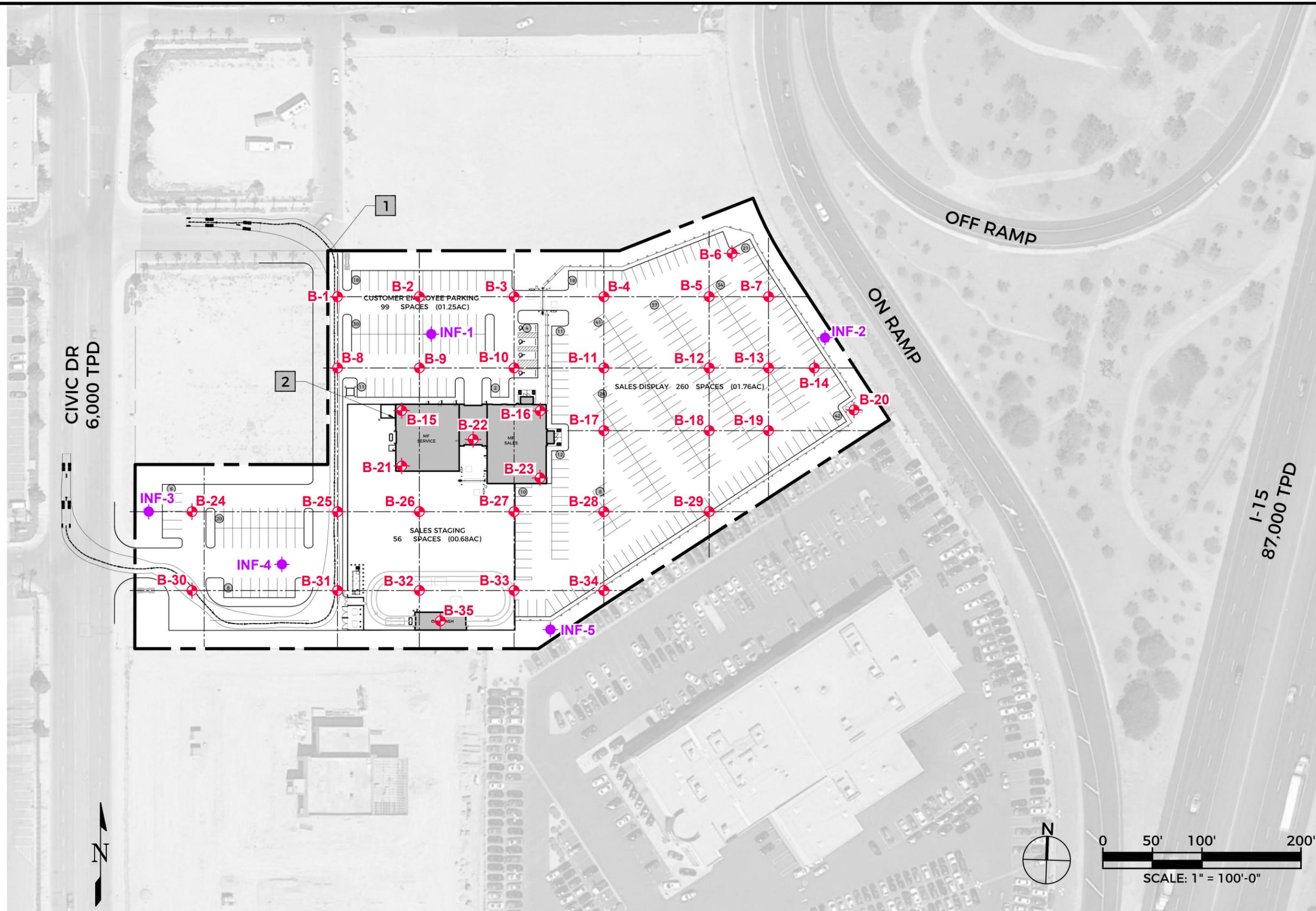
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CHECKED BY:	JDW
FILE NAME:	20183689_F1.dwg

SITE VICINITY MAP

PROPOSED AUTOMOTIVE DEALERSHIP
3 PARCEL LOT EAST OF CIVIC DRIVE
VICTORVILLE, CALIFORNIA

FIGURE

1



EXPLANATION

- B-35** APPROXIMATE LOCATION OF PROPOSED GEOTECHNICAL BORINGS
- INF-5** APPROXIMATE LOCATION OF PROPOSED INFILTRATION TEST

REFERENCE: BASE MAP PROVIDED BY CARMAX, DATED 03/13/2018.

PROJECT NO.	20183689
DRAWN:	04/2018
DRAWN BY:	DMF
CHECKED BY:	JDW
FILE NAME:	20183689_F2.dwg

FIELD EXPLORATION LOCATION MAP
PROPOSED AUTOMOTIVE DEALERSHIP 3 PARCEL LOT EAST OF CIVIC DRIVE VICTORVILLE, CALIFORNIA

APPENDIX A
FIELD EXPLORATIONS

APPENDIX A

FIELD EXPLORATION

The subsurface conditions at the site were explored by excavating and logging forty (40) hollow-stem auger borings. Percolation testing was conducted in five of the borings, INF-1, INF-2, INF-3, INF-4, and INF-5. The results of the percolation tests can be found in Appendix C. The borings were drilled with a CME-75 truck-mounted drill rig equipped with 9.5-inch diameter hollow-stem augers provided by CalPac Drilling of Calimesa, California. The drill rig mentioned above was equipped with an automatic hammer system to drive the samplers. The approximate locations of our borings are shown on Figure 2, Field Exploration Location Map.

The logs of borings are presented as Figures A-3 through A-42 Boring Logs. An explanation to the logs is presented on Figure A-1 and A-2. The Logs of Borings describe the earth materials encountered, samples obtained, and show field and laboratory tests performed. The logs also show the boring number, excavation date and the name of the logger and excavation subcontractor. A Kleinfelder staff engineer logged the borings utilizing the Unified Soil Classification System. The boundaries between soil types shown on the logs are approximate because the transition between different soil layers may be gradual. Bulk and drive samples of representative earth materials were obtained from the borings at maximum intervals of about 5 feet.

A California sampler was used to obtain drive samples of the soil encountered. This sampler consists of a 3 inch O.D., 2.4 inch I.D. split barrel shaft that is driven a total of 18 inches into the soil at the bottom of the boring. The soil was retained in six 1-inch brass rings for laboratory testing. The sampler was driven using a 140-pound hammer falling 30 inches. The total number of hammer blows required to drive the sampler the final 12 inches is termed the blow count and is recorded on the Logs of Borings. Where the sample was driven less than 12 inches, the number of blows to drive the sample for each 6-inch segment, or portion thereof, is shown on the logs. For example, 50/4" indicates 50 blows to drive the sampler 4 inches to refusal.

Samples were also obtained using a Standard Penetration Sampler (SPT). This sampler consists of a 2-inch O.D., 1.4-inch I.D. split barrel shaft that is advanced into the soils at the bottom of the drill hole a total of 18 inches. The sampler was driven using a 140 pounds hammer falling 30 inches. The total number of hammer blows required to drive the sampler the final 12 inches is termed the blow count (N-value) and is recorded on the Logs of Borings. Where the sample was driven less than 12 inches, the number of blows to drive the sample for each 6-inch segment, or portion thereof, is shown on the logs. The procedures we employed in the field are generally consistent with those described in ASTM Standard Test Method D-1586.

Soil samples by the SPT were stored in plastic bags. Bulk samples of the sub-surface soils were retrieved directly from the soil cuttings and placed in large plastic bags.

Date Begin - End: 5/10/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
Lithologic Description														
		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1 inch) gravel, sub-angular to sub-rounded												Hand auger to 5 feet
5		very dense, white carbonate staining	1		BC=15 50/6"			12.4	100.2					
10		reddish yellow, iron oxide and carbonate staining	2		BC=7 12 20									
15		dense	3		BC=15 20 26									
20		fine to coarse-grained, light brownish gray, iron oxide and carbonate staining	4		BC=11 18 27									
25		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 10, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:							



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 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-01

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

A-3

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BORING LOG B-03

Date Begin - End: 5/10/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
Lithologic Description														
0 - 5		Silty SAND (SM): fine to coarse-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded												Hand auger to 5 feet - very difficult
5 - 10		increase in gravel very dense, carbonate staining	1		BC=16 35 39			12.5	85.9					
10 - 15		fine-grained, yellowish brown, dense	2		BC=24 24 24									
15 - 20		fine to medium-grained, reddish yellow, trace coarse sand, trace fine (1/4-inch) gravel, sub-angular to subrounded	3		BC=11 16 16									
20 - 21.5		Poorly Graded SAND (SP): fine to coarse-grained, reddish yellow, dry to moist, dense, cohesionless, trace fine (1/4-inch) gravel	4		BC=8 11 15									
		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 10, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:							

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
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 CHECKED BY: JW
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-03

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

A-5

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BORING LOG B-04

Date Begin - End: 5/10/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								
		Lithologic Description	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
		Surface Condition: Bare Earth												
5		Silty SAND (SM): fine to coarse-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded dense, carbonate staining, decrease in gravel	1		BC=16 21 29			12.8	81.5					Hand auger to 5 feet - very difficult
10		fine-grained, yellowish brown	2		BC=10 17 25			5.1	116.3					
15		fine to medium-grained, iron oxide staining	3		BC=14 24 22									
20		Poorly Graded SAND (SP): fine to coarse-grained, reddish yellow, dry to moist, dense, cohesionless	4		BC=8 14 18									
25		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 10, 2018.				GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:								

GINT FILE: KLF_gint_master_2017 PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



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BORING LOG B-04

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

A-6

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BORING LOG B-05

Date Begin - End: 5/10/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
Lithologic Description														
5		Silty SAND (SM): fine to coarse-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded	1		BC=9 17 28			7.3	90.1					Hand auger to 5 feet - very difficult
10		fine-grained, yellowish brown	2		BC=13 26 42									
15		iron oxide staining	3		BC=14 22 28									
20		Poorly Graded SAND with Gravel (SP): fine to coarse-grained, reddish yellow, dry to moist, dense, fine (1/2-inch) gravel, sub-angular to sub-rounded	4		BC=9 13 17									
25	The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 10, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:								

PROJECT NUMBER: 20183689.001A
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 REVISED: 6/4/2018

BORING LOG B-05

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-7
 PAGE: 1 of 1

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BORING LOG B-06

Date Begin - End: 5/10/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
Lithologic Description														
0 - 5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded	1											Hand auger to 5 feet - very difficult
5 - 10		fine to medium-grained, brown, dry to moist, dense, carbonate staining	2		BC=14 23 26			10.9	118.5					
10 - 15		light brownish gray, very dense, carbonate staining	3		BC=18 34 42									
15 - 20		Silty SAND with Gravel (SM): fine to coarse-grained, reddish yellow to pink, dry to moist, very dense, fine (1/4-inch) gravel, sub-angular to sub-rounded	4		BC=16 29 32									
20 - 21.5		Poorly Graded SAND (SP): fine to coarse-grained, reddish yellow, dry to moist, medium dense, cohesionless	5		BC=10 12 13									
The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 10, 2018.						GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:								

OFFICE FILTER: RIVERSIDE

PROJECT NUMBER: 20183689.001A

PROJECT NUMBER: 20183689.001A
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 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-06

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-8
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:33 AM BY: C Coffey

BORING LOG B-07

Date Begin - End: 5/10/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/Remarks				
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)					
Lithologic Description																		
0 - 5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist																
5 - 10		fine to medium-grained, brown, dry to moist, medium dense, carbonate staining	1		BC=13 13 18			8.6	120.1									
10 - 15		yellowish brown, dense, carbonate staining	2		BC=11 17 25			11.9	105.1									
15 - 20		Poorly Graded SAND with Gravel (SP): fine-grained, reddish yellow, dry to moist, dense, fine (up to 1/2-inch) gravel, sub-angular to sub-rounded	3		BC=10 18 24													
20 - 21.5		Poorly Graded SAND (SP): fine to coarse-grained, reddish yellow to pink, dry to moist, medium dense, trace fine gravel	4		BC=9 12 15													
The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 10, 2018.		GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:																

OFFICE FILTER: RIVERSIDE

PROJECT NUMBER: 20183689.001A

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-07

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-9

PAGE: 1 of 1

PLOTTED: 06/07/2018 08:34 AM BY: C Coffey

BORING LOG B-08

Date Begin - End: 5/09/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
Lithologic Description														
0 - 5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded	1		BC=10 33 50/5"			7.2	113.3					Hand auger to 5 feet - very difficult
5 - 10		very dense, carbonate staining												
10 - 15		reddish brown, dense	2		BC=11 15 25									
15 - 20		Silty SAND with Gravel (SM): fine to coarse-grained, reddish yellow, dry to moist, dense, fine (1/2-inch) gravel, sub-angular to sub-rounded	3		BC=10 16 16									
20 - 21.5		Silty SAND (SM): fine to coarse-grained, brown, dry to moist, dense, trace fine (1/2-inch) gravel, sub-angular to sub-rounded	4		BC=10 19 22									
		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 09, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:							

OFFICE FILTER: RIVERSIDE

PROJECT NUMBER: 20183689.001A
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-08

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-10
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:34 AM BY: CCoiffey

BORING LOG B-09

Date Begin - End: 5/09/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks		
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)			
Lithologic Description																
		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded														Hand auger to 5 feet - very difficult
5		increase in fine to coarse (up to 3-inch) gravel, sub-angular to sub-rounded fine-grained, medium dense, carbonate staining	5 1	BC=11 20 15			4.4	106.4								
10		reddish yellow, medium dense	2	BC=6 11 22												
15		yellowish brown, dry to moist, dense, fine (1/2-inch) gravel, sub-angular to sub-rounded	3	BC=8 17 30												
20		light brownish gray, trace fine gravel	4	BC=9 14 17												
25		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 09, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:									

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-09
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-11
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:35 AM BY: C Coffey

BORING LOG B-10

Date Begin - End: 5/09/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks	
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)		
Lithologic Description															
5	very dense	Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded	1		BC=15 26 35			11.0	93.8						Hand auger to 5 feet - very difficult
10	brown		2		BC=12 21 40										
15		fine to medium-grained, reddish yellow, dry to moist, dense	3		BC=14 22 24										
20		yellowish brown, dry to moist, trace fine (1/4-inch) gravel, sub-rounded to sub-angular	4		BC=8 13 15										
25		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 09, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:								

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-10
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-12

PLOTTED: 06/07/2018 08:35 AM BY: C Coffey

BORING LOG B-11

Date Begin - End: 5/09/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							
		Lithologic Description	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
		Surface Condition: Bare Earth												
5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded	1		BC=10 29 50/4"			19.5	92.8					Hand Auger to 5 feet - very difficult
10		very dense, gravel decreases to fine-grained (1/2-inch) reddish yellow, medium dense	2		BC=6 11 14									
15		iron oxide staining	3		BC=6 12 13									
20		Poorly Graded SAND (SP): fine to coarse-grained, reddish yellow, dry to moist, dense	4		BC=8 14 16									
25		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 09, 2018.												GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT LIBRARY: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-11
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-13
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:36 AM BY: C Coffey

BORING LOG B-12

Date Begin - End: 5/09/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
Lithologic Description														
0		Surface Condition: Bare Earth												
0-5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist very dense, carbonate staining												
5		1		BC=6 17 26			10.5	108.3						Hand auger to 5 feet
10		2		BC=11 17 25										
15		3		BC=8 17 27										
20		4		BC=9 13 18										
20-21.5		Poorly Graded SAND (SP): fine to coarse-grained, reddish yellow, dry, dense												
21.5-25	The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 09, 2018.													
						GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion.						GENERAL NOTES:		

OFFICE FILTER: RIVERSIDE

PROJECT NUMBER: 20183689.001A

GINT FILE: KLF_gint_master_2017
GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-12

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

A-14

PLOTTED: 06/07/2018 08:36 AM BY: C Coffey

BORING LOG B-13

Date Begin - End: 5/08/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B53 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 6 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
Lithologic Description														
0 - 5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist reddish brown to brown, very dense	1		BC=15 29 40			11.5	105.5					Hand auger to 5 feet
5 - 15		light brownish gray, dense	2		BC=15 19 32									
15 - 20		reddish brown, very dense, iron oxide staining	3		BC=23 50/6"									
20 - 21.5		Silty SAND with Gravel (SM): fine to coarse-grained, brown, dry, dense, fine (1/2-inch) gravel, sub-angular to sub-rounded	4		BC=13 16 20									
21.5 - 25		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 08, 2018.				GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:								

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-13

 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

A-15

PLOTTED: 06/07/2018 08:37 AM BY: CCoiffey

Date Begin - End: 5/09/2018 **Drilling Company:** Cal Pac Drilling **BORING LOG B-14**
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
Lithologic Description														
0		Surface Condition: Bare Earth												
5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist reddish brown light brownish gray reddish brown, dense, carbonate staining	1		BC=5 14 29			9.9	106.4					Hand auger to 5 feet - very difficult
10		light brownish gray, iron oxide staining	2		BC=11 13 23									
15		reddish brown to brown	3		BC=10 14 18									
20		fine-grained, brown, moist, medium dense, trace coarse (up to 1-inch) gravel, little cohesion	4		BC=5 10 12									
21.5	The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 09, 2018.													
GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:														

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]

	PROJECT NO.: 20183689	BORING LOG B-14 Proposed Automotive Dealership 3 Parcel Lot East of Civic Drive Victorville, California	FIGURE
	DRAWN BY: CC CHECKED BY: RF DATE: 5/31/2018 REVISED: 6/4/2018		A-16
			PAGE: 1 of 1

PLOTTED: 06/07/2018 08:37 AM BY: C Coffey

BORING LOG B-15

Date Begin - End: 5/10/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Additional Tests/ Remarks	
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit		Plasticity Index (NP=NonPlastic)
Lithologic Description														
0 - 5		Sandy SILT (ML): fine-grained, light brownish gray, dry to moist, with fine-grained sand, trace fine (up to 3/8-inch) gravel, sub-angular to sub-rounded	1							96	54			Hand auger to 5 feet - very difficult
5 - 6		increase in coarse (up to 2-inches) gravel, sub-angular to sub-rounded	6											
6 - 10		dense, trace fine to coarse (up to 1-inch) gravel, sub-angular to subrounded	2		BC=18 28 31		5.8	107.9						
10 - 15		Silty SAND (SM): fine-grained, reddish yellow, dry to moist, dense	3		BC=10 19 30		11.9	118.5						
15 - 20		Silty SAND with Gravel (SM): fine to coarse-grained, reddish yellow, dry to moist, dense, fine to coarse (up to 1½ -inch) gravel, sub-angular to subrounded	4		BC=10 19 32									
20 - 21.5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, dense, trace coarse sand, trace fine (1/2-inch) gravel, sub-angular to sub-rounded	5		BC=8 14 20									
The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 10, 2018.														
		GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:												

OFFICE FILTER: RIVERSIDE

PROJECT NUMBER: 20183689.001A
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-15

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-17
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:38 AM BY: CCoiffey

BORING LOG B-16

Date Begin - End: 5/10/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS						
		Lithologic Description	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)
		Surface Condition: Bare Earth											
5		Silty SAND (SM): fine to coarse-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded very dense, trace iron oxide staining	1	BC=11 15 20			16.8	95.1	98	38			Hand auger to 5 feet - very difficult Consolidation test
10		fine-grained, yellowish brown, dry to moist, medium dense, trace clay in shoe of sampler	2	BC=7 9 15			12.0	102.4					
15		Poorly Graded SAND with Gravel (SP): fine-grained, reddish brown to pink, dry to moist, medium dense	3	BC=12 18 26									
20		Poorly Graded SAND (SP): fine-grained, reddish yellow, dry to moist, dense, cohesionless	4	BC=8 14 24									
21.5		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 10, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:						

OFFICE FILTER: RIVERSIDE

PROJECT NUMBER: 20183689.001A

gINT FILE: KLF_gint_master_2017
gINT TEMPLATE: E:KLF_STANDARD_gINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-16

 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

A-18

 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:38 AM BY: C Coffey

Date Begin - End: 5/08/2018 **Drilling Company:** Cal Pac Drilling **BORING LOG B-17**
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B53 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 6 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/Remarks			
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)				
Lithologic Description																	
0 - 5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist															
5 - 10		yellowish brown, very dense	1	BC=11 39 50/4"			13.8	92.3									
10 - 15		dense, trace iron oxide staining	2	BC=19 23 30													
15 - 20		reddish brown to red	3	BC=13 18 19													
20 - 21.5		Poorly Graded SAND (SP): fine to coarse-grained, yellowish brown, dry to moist, dense, cohesionless	4	BC=12 18 20													
		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 08, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:										

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]

	PROJECT NO.: 20183689	BORING LOG B-17	FIGURE
	DRAWN BY: CC		
CHECKED BY: RF		A-19	
DATE: 5/31/2018			
REVISED: 6/4/2018			PAGE: 1 of 1

PLOTTED: 06/07/2018 08:39 AM BY: C Coffey

BORING LOG B-19

Date Begin - End: 5/08/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B53 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 6 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Additional Tests/ Remarks	
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit		Plasticity Index (NP=NonPlastic)
Lithologic Description														
0 - 5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist	1											Hand auger to 5 feet - very difficult R-Value test
5 - 10		reddish brown, very dense, carbonate staining	2		BC=22 50/6"			12.6	98.4					
10 - 15		moist, dense, carbonate staining	3		BC=13 15 22									
15 - 20		reddish yellow, very dense	4		BC=17 50/5.5"									
20 - 21.5		Poorly Graded SAND (SP): fine to coarse-grained, yellowish brown to brown, dry to moist, dense, cohesionless	5		BC=9 15 16									
		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 08, 2018.				GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:								

OFFICE FILTER: RIVERSIDE

PROJECT NUMBER: 20183689.001A

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.: 20183689
 DRAWN BY: CC
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 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-19

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-21
PAGE: 1 of 1

PLOTTED: 06/07/2018 08:40 AM BY: C.Coffey

BORING LOG B-21

Date Begin - End: 5/09/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)
Lithologic Description													
0		Surface Condition: Bare Earth											
5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded cobbles up to 6-inches in diameter from 2½ to 3 feet Silty SAND (SM): fine-grained, light brownish gray, dry to moist, dense, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded, carbonate staining											
1		5	⊗										
1		1	█	BC=9 17 28			9.6	102.1					
10		2	█	BC=11 17 26									
15		Poorly Graded SAND (SP): fine to coarse-grained, reddish brown to pink, dry to moist, very dense, cohesionless Silty SAND with Gravel (SM): fine to coarse-grained, brown, dry to moist, dense, fine (up to 1/2-inch) gravel, sub-angular to sub-rounded											
15		3	█	BC=18 34 47									
20		4	█	BC=8 16 20									
25		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 09, 2018.											
						GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion.						GENERAL NOTES:	

PROJECT NUMBER: 20183689.001A
 OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-21
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-23
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:41 AM BY: C Coffey

BORING LOG B-22

Date Begin - End: 5/09/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NIR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
Lithologic Description														
0 - 5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine (up to 3/8-inch) gravel, sub-angular to sub-rounded	1					9.3	113.8					Hand auger to 5 feet - very difficult Direct Shear test Compaction Characteristics of Soil test
5 - 6		Poorly Graded SAND with Gravel (SP): fine to coarse-grained, light brownish gray, dry to moist, with coarse (up to 3-inches) gravel, sub-angular to sub-rounded	2		BC=15 19 29			6.9	115.5					
6 - 10		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine (up to 3/8-inch) gravel, sub-angular to sub-rounded reddish yellow, dense, carbonate staining	3		BC=9 17 20			7.2	116.8					
10 - 15		reddish brown, iron oxide staining	4		BC=15 30 37									
15 - 20		reddish brown to brown, very dense	5		BC=8 10 14									
20 - 25		fine to coarse-grained, light brownish gray, medium dense	6		BC=7 12 19									
25 - 30		fine-grained	7		BC=9 15 17									
30 - 35		yellowish brown												

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-22

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

A-24

PLOTTED: 06/07/2018 08:41 AM BY: C Coffey

Date Begin - End: 5/09/2018 **Drilling Company:** Cal Pac Drilling **BORING LOG B-22**
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS							Additional Tests/ Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	
Lithologic Description													
		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine (up to 3/8-inch) gravel, sub-angular to sub-rounded very dense	8		BC=16 35 45								
40		Silty SAND with Gravel (SM): fine to coarse-grained, yellowish brown, dry to moist, dense, fine (up to 1/2-inch) gravel, sub-angular to sub-rounded	9		BC=13 19 22								
45		Poorly Graded SAND (SP): fine to coarse-grained, reddish brown, dry to moist, medium dense	10		BC=8 12 14								
50		Silty SAND (SM): fine-grained, yellowish brown, dry to moist, dense	11		BC=13 17 17								
55	The boring was terminated at approximately 51.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 09, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:							
60													
65													

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-22
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-24
 PAGE: 2 of 2

PLOTTED: 06/07/2018 08:42 AM BY: CCoiffey

BORING LOG B-24

Date Begin - End: 5/07/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
Lithologic Description														
0 - 5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded	1											Hand auger to 5 feet - very difficult
5 - 10		dense, trace iron oxide staining	2		BC=10 22 32			9.1	96.0					
10 - 15		yellowish brown, moist, medium dense, carbonate staining	3		BC=9 16 18									
15 - 20		dense	4		BC=6 16 25									
20 - 21.5		Poorly Graded SAND (SP): medium to coarse-grained, reddish brown, moist, medium dense, cohesionless	5		BC=9 12 15									
21.5 - 25		Silty SAND (SM): fine-grained, light brownish gray, moist, medium dense												
The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 07, 2018.														
		GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:												

PROJECT NUMBER: 20183689.001A
 OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-24

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-26
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:42 AM BY: C Coffey

BORING LOG B-25

Date Begin - End: 5/08/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B53 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 6 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks	
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)		
Lithologic Description															
0		Surface Condition: Bare Earth													
5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded reddish brown, dry to moist, dense, carbonate staining	1		BC=13 25 31			5.5	106.3						Hand auger to 5 feet - very difficult
10		very dense	2		BC=11 24 40										
15		yellowish brown, dense, trace fine (up to 1/2 inch) gravel, sub-angular to sub-rounded	3		BC=16 20 29										
20			4		BC=14 19 24										
21.5	The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 08, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:									

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-25

 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

A-27

PLOTTED: 06/07/2018 08:43 AM BY: C Coffey

BORING LOG B-26

Date Begin - End: 5/08/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B53 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 6 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
Lithologic Description														
0 - 5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded												Hand auger to 5 feet - very difficult
5 - 10		yellowish brown, very dense, carbonate staining	1		BC=20 35 49			6.2	113.1					
10 - 15		medium dense, iron oxide staining	2		BC=12 14 19									
15 - 20			3		BC=17 26 28									
20 - 21.5			4		BC=10 13 17									
		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 08, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:							

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-26
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-28

PLOTTED: 06/07/2018 08:43 AM BY: C Coffey

Date Begin - End: 5/08/2018 **Drilling Company:** Cal Pac Drilling **BORING LOG B-27**
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B53 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 6 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
Lithologic Description														
		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded											Hand auger to 5 feet - very difficult	
5	yellowish brown, very dense, carbonate staining	1		BC=9 31 50/5"			11.3	94.3						
10	medium dense	2		BC=10 14 16										
15	iron oxide staining	3		BC=15 17 22										
20		4		BC=10 15 19										
25	The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 08, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:								

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]

	PROJECT NO.: 20183689	BORING LOG B-27 Proposed Automotive Dealership 3 Parcel Lot East of Civic Drive Victorville, California	FIGURE
	DRAWN BY: CC		A-29
CHECKED BY: RF	DATE: 5/31/2018		
REvised: 6/4/2018			PAGE: 1 of 1

PLOTTED: 08/29/2018 03:40 PM BY: CCoiffey

BORING LOG B-28

Date Begin - End: 5/07/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								Additional Tests/ Remarks		
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)			
Lithologic Description																
5		Sandy SILT (ML): fine-grained, light brownish gray, dry to moist, with fine-grained sand, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded														
5		Silty SAND (SM): fine-grained, reddish brown to yellowish brown, dry to moist, very dense	1		BC=9 29 43			22.0	88.3	99	40					
10		yellowish brown, dense	2		BC=14 24 19											
15		very dense, trace black staining	3		BC=16 27 31											
20		fine to coarse-grained, light brownish gray	4		BC=11 21 21											
25	The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 07, 2018.				GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:											

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-28
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-30
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:44 AM BY: CCoiffey

BORING LOG B-29

Date Begin - End: 5/07/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks	
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)		
Lithologic Description															
5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine (3/8-inch) gravel, sub-angular to sub-rounded	1		BC=6 20 34			10.5	117.5						Hand auger to 5 feet - very difficult
10		light brownish gray, very dense, carbonate staining	2		BC=16 28 39			5.5	116.2						
15		fine to coarse-grained, reddish brown to reddish yellow, moist, medium dense, iron oxide staining	3		BC=10 13 13										
20		light brownish gray	4		BC=10 13 13										
25		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 07, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:								

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-29
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-31

PLOTTED: 06/07/2018 08:45 AM BY: CCoiffey

BORING LOG B-30

Date Begin - End: 5/07/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks	
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)		
Lithologic Description															
0		Surface Condition: Bare Earth													
5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded brown yellowish brown, moist, very dense	1		BC=14 50/6"			9.7	110.8						Hand auger to 5 feet - very difficult
10		medium dense, iron oxide staining	2		BC=10 18 30			7.9	107.1						
15			3		BC=11 17 21										
20		decrease in iron oxide staining	4		BC=8 16 23										
21.5		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 07, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:								

PROJECT NUMBER: 20183689.001A
 OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-30

 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

A-32

PLOTTED: 06/07/2018 08:45 AM BY: C Coffey

BORING LOG B-31

Date Begin - End: 5/07/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks				
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)					
Lithologic Description																		
0		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded																
5		dry to moist, dense, carbonate staining	1		BC=7 9 26			4.8	100.5									
10		yellowish brown, very dense	2		BC=14 40 50/5"													
15		fine to coarse-grained, dense, trace fine (up to 1/4-inch) gravel	3		BC=5 18 20													
20		light brownish gray, decrease in gravel	4		BC=8 19 20													
21.5		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 07, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:											

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-31

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-33
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:46 AM BY: C Coffey

BORING LOG B-32

Date Begin - End: 5/07/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
Lithologic Description														
0		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded										Hand auger to 5 feet - very difficult		
5		1		BC=4 13 22			5.1	130.5						
10		2		BC=14 14 35										
15		3		BC=13 15 17										
20		4		BC=12 17 18										
21.5		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 07, 2018.												
		GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion.												
		GENERAL NOTES:												

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-32

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

A-34

Date Begin - End: 5/08/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B53 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 6 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks	
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)		
Lithologic Description															
0		Surface Condition: Bare Earth													
5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded reddish brown													Hand auger to 5 feet - very difficult
		yellowish brown, very dense, carbonate staining	1		BC=15 38 50/3"			9.8	119.8						
10		reddish brown	2		BC=19 50/6"										
15		fine to coarse-grained, yellowish brown, dense	3		BC=13 17 22										
20		trace fine (up to 1/2-inch) gravel, sub-angular to sub-rounded	4		BC=22 24 24										
25		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 08, 2018.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:								
30															



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-33

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

A-35

PLOTTED: 06/07/2018 08:47 AM BY: C Coffey

BORING LOG B-34

Date Begin - End: 5/08/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B53 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 6 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks	
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)		
Lithologic Description															
0		Surface Condition: Bare Earth													
5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded reddish brown	1		BC=18 40 50/5"			4.2	109.4						Hand auger to 5 feet - very difficult
10		reddish brown, dense, carbonate staining nodules	2		BC=7 11 27										
15		fine to coarse-grained, brown, medium dense	3		BC=7 12 13										
20		yellowish brown, very dense	4		BC=14 25 36										
21.5	The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 08, 2018.										GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:				

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-34
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-36
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:47 AM BY: C Coffey

BORING LOG B-35

Date Begin - End: 5/07/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION				LABORATORY RESULTS								Additional Tests/Remarks	
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)		
Lithologic Description															
0 - 5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist, trace fine to coarse (up to 1-inch) gravel, sub-angular to sub-rounded	1												Hand auger to 5 feet - very difficult
5 - 8		Poorly Graded SAND (SP): fine to coarse-grained, reddish yellow, dense, trace fine (up to 1/2 inch) gravel, sub-angular to sub-rounded	2		BC=9 16 20			1.3	107.9						
8 - 10		Silty SAND (SM): fine-grained, light reddish brown, moist	3		BC=15 20 32			6.7	86.9						
10 - 15		fine to medium-grained, reddish yellow	4		BC=11 23 32										
15 - 21.5		fine-grained, yellowish brown	5		BC=11 16 18										
		The boring was terminated at approximately 21.5 ft. below ground surface. The boring was backfilled with auger cuttings on May 07, 2018.				GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:									

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



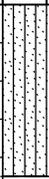
PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG B-35
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-37
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:48 AM BY: C Coffey

Date Begin - End: 5/10/2018 **Drilling Company:** Cal Pac Drilling **BORING LOG INF-1**
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION					LABORATORY RESULTS							Additional Tests/ Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
Lithologic Description														
5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist	1	X				5.3	100	49			Hand auger to 4.5 feet - very difficult	
5	The percolation test hole was terminated at approximately 4.5 ft. below ground surface. The percolation test hole was backfilled with approximately 2 inches of gravel and perforated pipe for testing. After testing was complete, the boring was backfilled with soil cuttings.					GROUNDWATER LEVEL INFORMATION: Groundwater was not observed during drilling or after completion. GENERAL NOTES:								

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG INF-1
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-38
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:48 AM BY: C Coffey

Date Begin - End: 5/09/2018 **Drilling Company:** Cal Pac Drilling **BORING LOG INF-2**
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION						LABORATORY RESULTS					
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)
Lithologic Description													
5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist	1	⊗				2.7	100	46			Hand auger to 4.5 feet - very difficult
5	The percolation test hole was terminated at approximately 4.5 ft. below ground surface. The percolation test hole was backfilled with approximately 2 inches of gravel and perforated pipe for testing. After testing was complete, the boring was backfilled with soil cuttings.						<u>GROUNDWATER LEVEL INFORMATION:</u> Groundwater was not observed during drilling or after completion. <u>GENERAL NOTES:</u>						

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG INF-2
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-39
 PAGE: 1 of 1

Date Begin - End: 5/07/2018 **Drilling Company:** Cal Pac Drilling **BORING LOG INF-3**
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION						LABORATORY RESULTS						Additional Tests/ Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
Lithologic Description														
5		SILT (ML): light brownish gray, dry to moist, trace fine-grained sand	1	X				14.0	100	95			Hand auger to 4.5 feet - very difficult	
<p>The percolation test hole was terminated at approximately 4.5 ft. below ground surface. The percolation test hole was backfilled with approximately 2 inches of gravel and perforated pipe for testing. After testing was complete, the boring was backfilled with soil cuttings.</p>		<p><u>GROUNDWATER LEVEL INFORMATION:</u> Groundwater was not observed during drilling or after completion. <u>GENERAL NOTES:</u></p>												



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG INF-3
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-40
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:49 AM BY: C Coffey

Date Begin - End: 5/07/2018 **Drilling Company:** Cal Pac Drilling **BORING LOG INF-4**
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

Depth (feet)	Graphical Log	FIELD EXPLORATION						LABORATORY RESULTS					
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)
Lithologic Description													
5		Silty SAND (SM): fine-grained, light brownish gray, dry to moist	1	×				8.5	100	32			Hand auger to 4.5 feet - very difficult
5		The percolation test hole was terminated at approximately 4.5 ft. below ground surface. The percolation test hole was backfilled with approximately 2 inches of gravel and perforated pipe for testing. After testing was complete, the boring was backfilled with soil cuttings.						<u>GROUNDWATER LEVEL INFORMATION:</u> Groundwater was not observed during drilling or after completion. <u>GENERAL NOTES:</u>					

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT TEMPLATE: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG INF-4
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-41
 PAGE: 1 of 1

PLOTTED: 06/07/2018 08:49 AM BY: C Coffey

Date Begin - End: 5/07/2018 - 5/08/2018 **Drilling Company:** Cal Pac Drilling
Logged By: R. Ferryman **Drill Crew:** James/Jeff/Tim
Hor.-Vert. Datum: Not Available **Drilling Equipment:** B61 Mobile **Hammer Type - Drop:** 140 lb. Auto - 30 in.
Plunge: -90 degrees **Drilling Method:** Hollow Stem Auger
Weather: Clear **Bore Diameter:** 8 in. O.D.

BORING LOG INF-5

Depth (feet)	Graphical Log	FIELD EXPLORATION						LABORATORY RESULTS						Additional Tests/ Remarks
		Surface Condition: Bare Earth	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	
Lithologic Description														
5		Silty SAND (SM): light brownish gray, dry to moist, fine-grained sand	1	X				6.9	100	42			Hand auger to 4.5 feet - very difficult	
5		The percolation test hole was terminated at approximately 4.5 ft. below ground surface. The percolation test hole was backfilled with approximately 2 inches of gravel and perforated pipe for testing. After testing was complete, the boring was backfilled with soil cuttings.						<u>GROUNDWATER LEVEL INFORMATION:</u> Groundwater was not observed during drilling or after completion. <u>GENERAL NOTES:</u>						

PROJECT NUMBER: 20183689.001A OFFICE FILTER: RIVERSIDE
 GINT LIBRARY: E:KLF_STANDARD_GINT_LIBRARY_2017.GLB [KLF_BORING/TEST PIT SOIL LOG]



PROJECT NO.: 20183689
 DRAWN BY: CC
 CHECKED BY: RF
 DATE: 5/31/2018
 REVISED: 6/4/2018

BORING LOG INF-5

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
A-42
 PAGE: 1 of 1

APPENDIX B
LABORATORY TESTING

APPENDIX B

LABORATORY TESTING

Laboratory tests were performed on representative intact and bulk soil samples to estimate engineering characteristics of the various earth materials encountered. Laboratory testing was performed by Kleinfelder, with the exception of corrosion testing which was performed by AP Engineering and Testing, Inc. of Pomona, California. Testing was performed in accordance with one of the following references:

1. ASTM Standards for Soil Testing, latest revisions.
2. State of California Department of Transportation, Standard Test Methods, latest revisions.

LABORATORY MOISTURE DETERMINATIONS AND UNIT WEIGHTS

Moisture content and dry unit weight tests were performed on selected samples recovered from the borings. Moisture contents and dry unit weights were determined in general accordance with ASTM Test Method D2216 and D7263, respectively. Results of these tests are presented on the boring logs.

GRAIN SIZE DISTRIBUTION AND HYDROMETER ANALYSIS

The grain-size distribution was determined for selected samples of the materials encountered at the site to aid in their classification. The tests were performed in general accordance with ASTM Test Method D6913. Results of the testing are presented as Figure B-1 and Figure B-2, Grain Size Distribution.

REMOLDED DIRECT SHEAR

One bulk sample was remolded to 90 percent relative compaction, and subjected to direct shear testing to evaluate the shear strength parameters of engineered fill in general accordance with ASTM Standard Test Method D3080. The soil sample was soaked to near saturation prior to testing. The results are presented as Figure B-3.

CONSOLIDATION TESTS

Consolidation testing was performed on one relatively undisturbed sample in accordance with ASTM Standard Test Method D-2435. The test result is presented as Figure B-4, Consolidation Test.

MAXIMUM DENSITY

A maximum density/optimum moisture test was performed on a select bulk sample of the on-site soils to determine compaction characteristics. The test was performed in accordance with ASTM Standard Test Method D-1557-91. The result of the test is presented below in Table B-1.

Table B-1
Maximum Dry Density and Optimum Moisture

Boring	Depth (ft)	Maximum Density (pcf)	Optimum Moisture (%)
B-22	0-5	126.2	9.3

R-VALUE TEST

Resistance value (R-value) testing was performed on a selected sample of the near-surface soils to evaluate pavement support characteristics of the near-surface onsite soils. R-value testing was performed in accordance with Caltrans Standard Test Method 301. Results of these tests are presented below in Table B-2.

Table B-2
R-Value Test Results

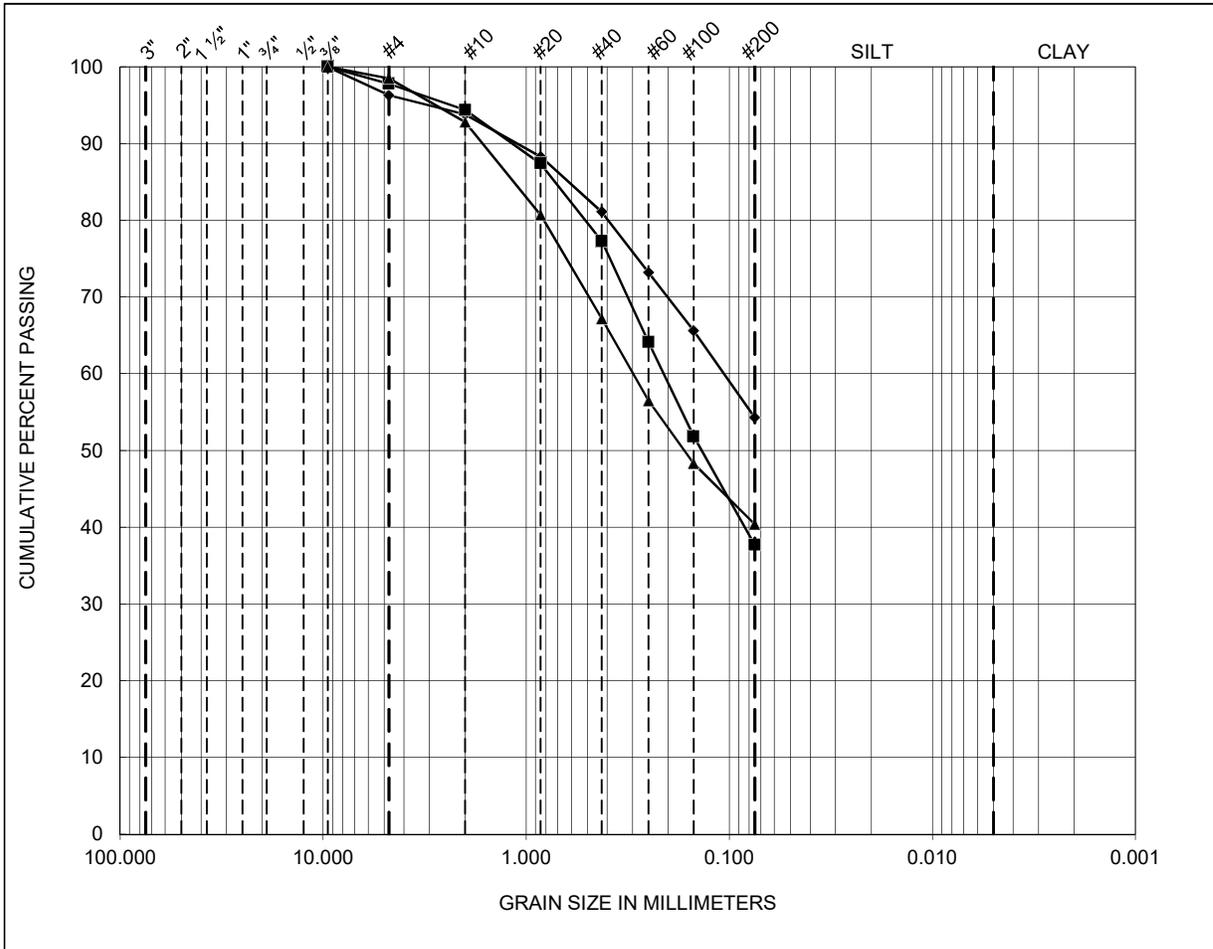
Boring	Depth (ft)	R-Value
B-19	0-5	54

PRELIMINARY SOIL CORROSIVITY

A series of chemical tests were performed on a selected sample of the near-surface soils to estimate pH, resistivity and sulfate and chloride contents. The sample was tested in general accordance with California Test Methods 643, 422, and 417 for pH and minimum resistivity, soluble chlorides, and soluble sulfates, respectively. Test results may be used by a qualified corrosion engineer to evaluate the general corrosion potential with respect to construction materials. The tests were performed by AP Engineering and Laboratory, Inc. of Pomona, California. Results of these tests are presented below in Table B-3.

Table B-3
Preliminary Corrosion Test Results

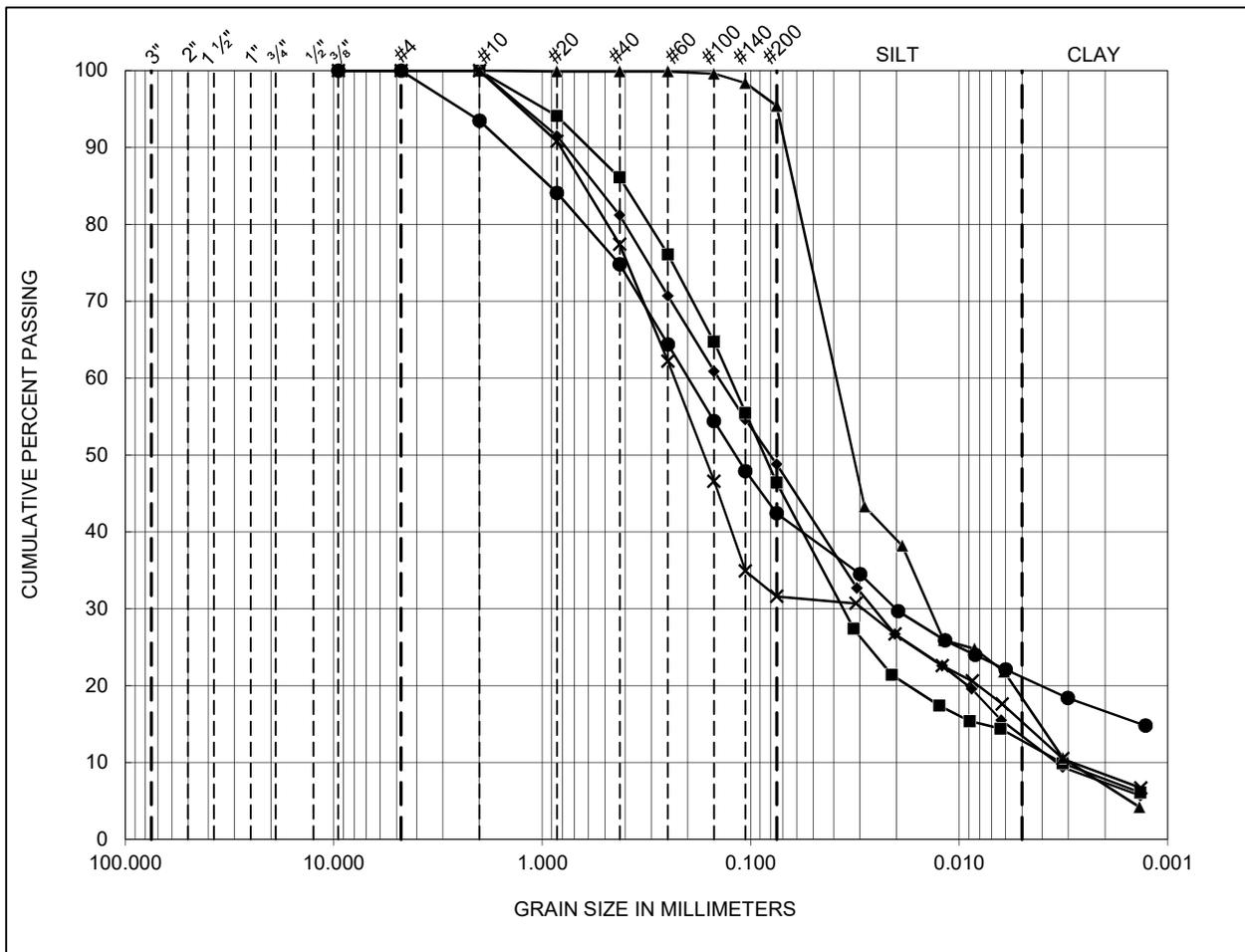
Boring	Depth (ft)	pH	Sulfate (percent)	Chloride (percent)	Resistivity (ohm-cm)
B-1	0-5	8.6	44	52	2,400



COBBLE	GRAVEL	SAND	SILT	CLAY
--------	--------	------	------	------

SYMBOL	SAMPLE IDENTIFICATION			PERCENTAGES			ATTERBERG LIMITS			SOIL CLASSIFICATION
	BORING NO.	SAMPLE NO.	DEPTH (ft.)	GRAVEL	SAND	FINES	LL	PL	PI	
◆	B-15	1	0-5	3.7	42.0	54.3	N/A	N/A	N/A	Sandy Silt (ML)
■	B-22	1	0-5	2.2	60.1	37.7	N/A	N/A	N/A	Silty Sand (SM)
▲	B-28	1	5	1.5	58.1	40.4	N/A	N/A	N/A	Silty Sand (SM)

	PROJECT NO. 20183689	GRAIN SIZE DISTRIBUTION Proposed Automotive Dealership 3 Parcel Lot East of Civic Drive Victorville, California	FIGURE B-1
	TESTED BY: J. Diaz		
	CHECKED BY: J. Waller		
	DATE: 6/6/18		



COBBLE	GRAVEL	SAND	SILT	CLAY
--------	--------	------	------	------

SYMBOL	SAMPLE IDENTIFICATION			PERCENTAGES			ATTERBERG LIMITS			SOIL CLASSIFICATION
	BORING NO.	SAMPLE NO.	DEPTH (ft.)	GRAVEL	SAND	FINES	LL	PL	PI	
◆	INF-1	1	4 - 4.5	0.0	51.2	48.8	N/A	N/A	N/A	Silty Sand (SM)
■	INF-2	1	4 - 4.5	0.0	53.6	46.4	N/A	N/A	N/A	Silty Sand (SM)
▲	INF-3	1	4 - 4.5	0.0	4.6	95.4	N/A	N/A	N/A	Silt (ML)
×	INF-4	1	4 - 4.5	0.0	68.4	31.6	N/A	N/A	N/A	Silty Sand (SM)
●	INF-5	1	4 - 4.5	0	57.6	42.4	N/A	N/A	N/A	Silty Sand (SM)



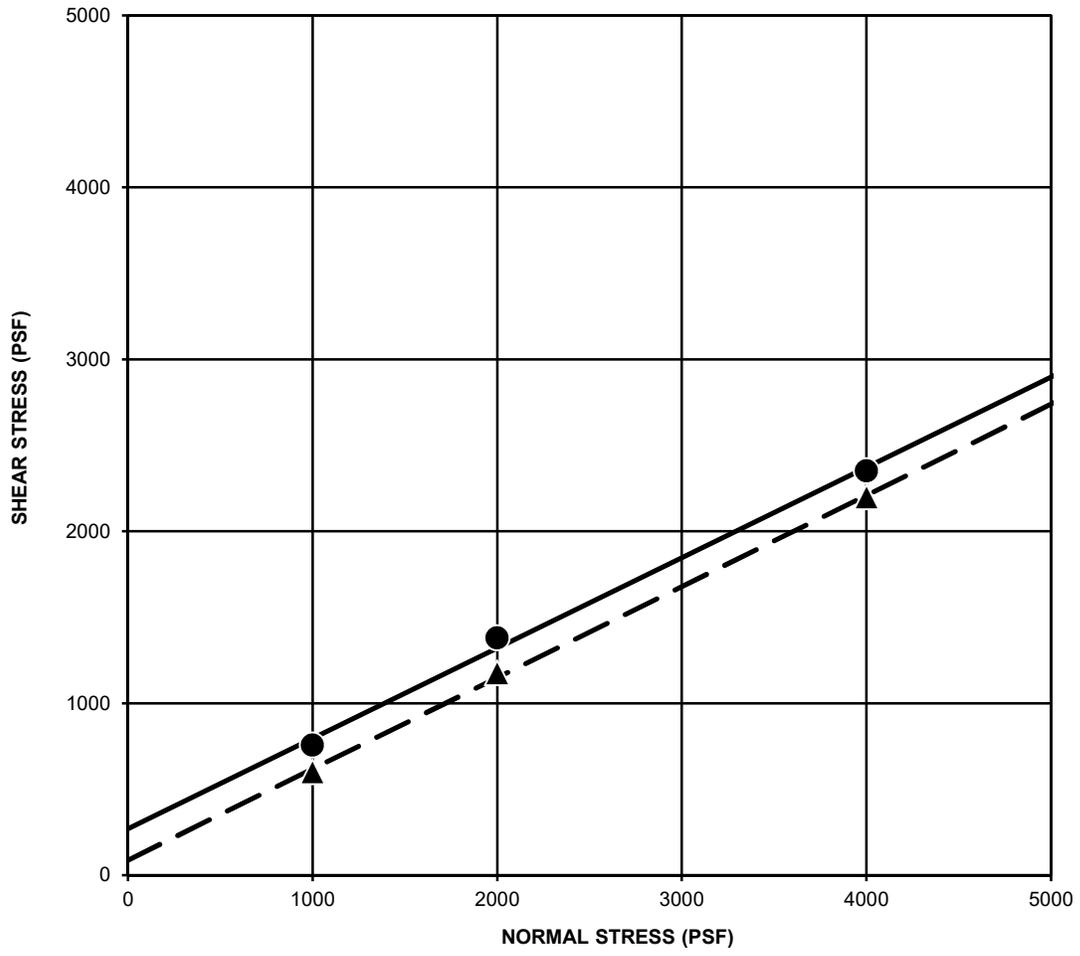
PROJECT NO.: 20183689
 TESTED BY: J. Diaz
 DATE: 5/21/2018
 CHECKED BY: J. Waller
 DATE: 6/6/18

GRAIN SIZE DISTRIBUTION

Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE

B-2

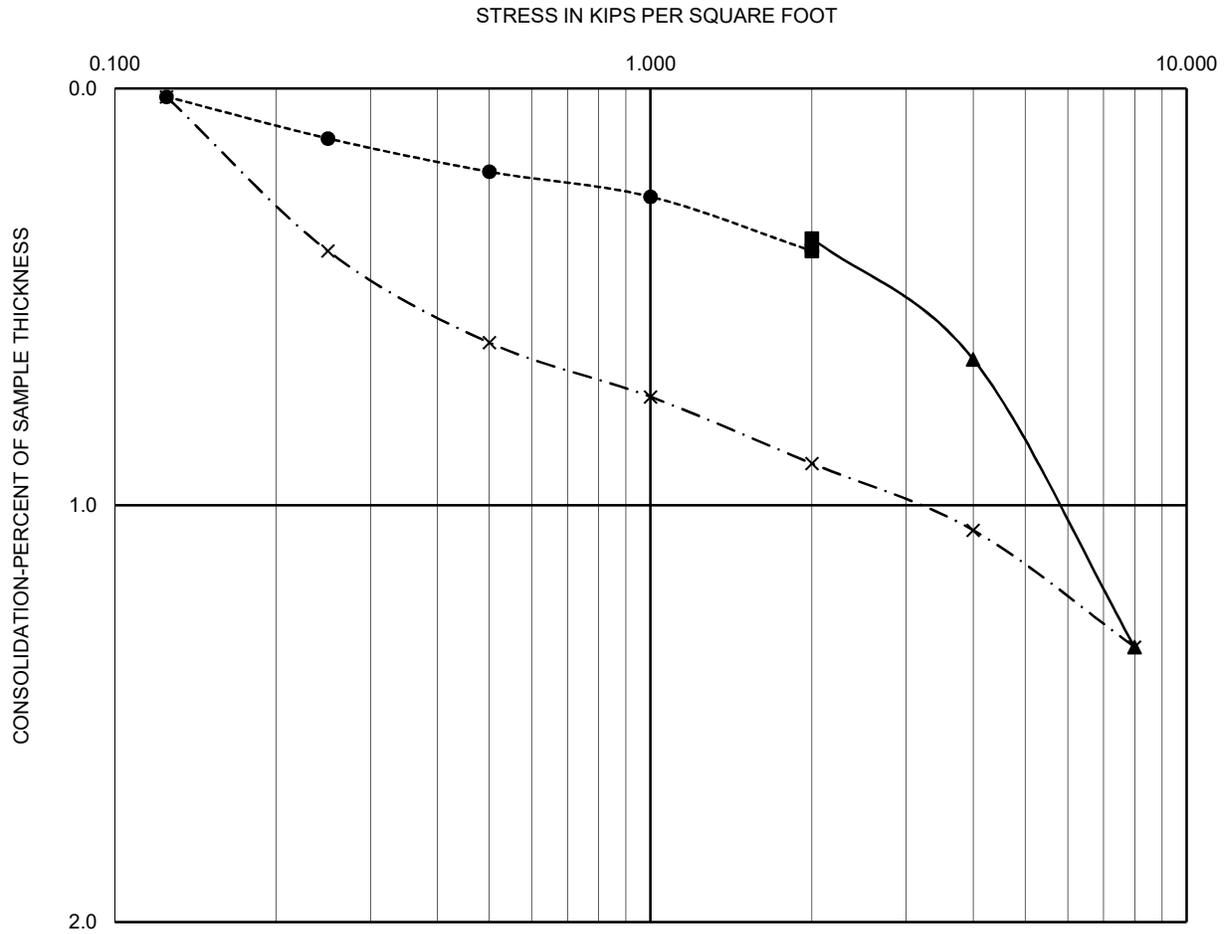


SYMBOL		BORING NO.	SAMPLE NO.	DEPTH (ft)	COHESION (psf)	FRICTION ANGLE (deg)	SOIL CLASSIFICATION
PEAK	●	B-22	1	0-5	270.0	28	Olive Brown Sandy Silt / Silty Sand (ML / SM)
ULTIMATE	▲	B-22	1	0-5	88.0	28	Olive Brown Sandy Silt / Silty Sand (ML / SM)

INITIAL MOISTURE (%):	9.3%	Normal Stress (psf)	1000	2000	4000
INITIAL DRY DENSTIY (pcf):	113.8	Peak Stress (psf)	756	1380	2352
FINAL MOISTURE (%):	17.8%	Ultimate Stress (psf)	600	1176	2200

Performed in general accordance with ASTM D 3080, Sample remolded to 90% relative compaction

	PROJECT NO. 20183689 TESTED BY: J. Diaz DATE: 5/21/2018 CHECKED BY: J. Waller DATE: 6/6/2018	DIRECT SHEAR TEST Proposed Automotive Dealership 3 Parcel Lot East of Civic Drive Victorville, California	FIGURE B-3
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- Loading Prior to Inundation
- Settlement at Inundation
- ▲— Loading After Inundation
- ×--- Unloading

SAMPLE IDENTIFICATION			SOIL CLASSIFICATION
BORING NO.	SAMPLE NO.	DEPTH (ft.)	
B-16	1	5	Silty Sand (SM)

INITIAL MOISTURE (%): 16.8
 INITIAL DRY DENSITY (PCF): 95.1
 FINAL MOISTURE(%): 30.3

Testing performed in general accordance with ASTM D2435/D2435M - 11



PROJECT NO.: 20183689.001A
 TESTED BY: J. Diaz
 DATE: 5/11/2018
 CHECKED BY: J. Diaz
 DATE: 5/29/2018

CONSOLIDATION TEST
 Proposed Automotive Dealership
 3 Parcel Lot East of Civic Drive
 Victorville, California

FIGURE
B-4

APPENDIX C
BOREHOLE INFILTRATION TESTING

APPENDIX C
BOREHOLE INFILTRATION TESTING

Borehole infiltration testing was performed in general accordance with Appendix D of the San Bernardino County – Technical Guidance Document for Water Quality Management Plans. Based on Infiltration Testing Requirements and our selection of the Shallow Percolation Test, we performed five borehole infiltration tests in five Borings. The total depth of each of the five borings to perform percolation tests was approximately 4.5 feet. At the conclusion of drilling, the augers were removed vertically from the borings to limit the amount of “smearing” of the boring sidewall. Within each boring, approximately 2 inches of gravel was added to the bottom. Perforated pipe was then placed with the bottom directly on the gravel bottom. The pre-saturation of the boreholes subsequently commenced.

The long-term design infiltration rate is selected by applying a factor to the short-term percolation rate. The onsite percolation test results provide the short-term percolation rate of a soil layer. The long-term design infiltration rate is the short-term value with factors of safety applied. The factor to be implemented is selected with direction from the San Bernardino County Technical Guidance Document and is shown in the tables below. Table C-1 presents the suitability related considerations.

Table C-1
Suitability Assessment

Consideration	Assigned Weight	Factor Value	Factor Product
Soil assessment methods	0.25	2	0.5
Predominant soil texture	0.25	2	0.5
Site Soil Variability	0.25	1	0.25
Depth to groundwater / impervious layer	0.25	1	0.25
Average			1.5

The factor is also evaluated based on the project site and the type of BMP system proposed. Table C-2 below presents these considerations.

**Table C-2
Design Related Considerations**

Consideration	Assigned	Factor Value	Assigned Factor
Tributary Area	0.25	2	0.5
Level of Pretreatment	0.25	2	0.5
Redundancy	0.25	2	0.5
Compaction During Construction	0.25	2	0.5
Average			2.0

The Design Related Consideration factors can change based on the actual design of the BMP system.

The total correction factor is $1.5 * 2.0 = 3.0$

The short-term percolation rates are the results from our onsite testing. The long-term infiltration rates are calculated by dividing the percolation rate by the Total Correction Factor described above. The short-term percolation rates and the long-term infiltration rates are presented below.

**Table C-3
Percolation and Infiltration Rates**

Location	Depth of Test (ft)	Short-term Percolation Rate (in/hour)	Long-term Design Infiltration Rate (in/hour)
INF-1	4.5	1.08	0.36
INF-2	4.5	0.66	0.22
INF-3	4.5	0.87	0.29
INF-4	4.5	0.63	0.21
INF-5	4.5	0.69	0.23

APPENDIX D:
Phase I ESA



June 19, 2018
Kleinfelder Project No. 20183689.001A

Centerpointe Integrated Solutions
355 Union Boulevard, Suite 301
Lakewood, CO 80228

Attention: Ms. Stacie Haggerson

**SUBJECT: Phase I Environmental Site Assessment
Proposed Automotive Dealership
APNS 3106-261-26, 3106-261-27, 3106-261-28 and 3106-261-29
Victorville, California**

Dear Ms. Haggerson:

Enclosed is the Phase I Environmental Site Assessment (ESA) report for the above-referenced property. We trust the information presented in this report meets your needs at this time.

An executive summary is provided. However, we recommend that the report be read in its entirety for a comprehensive understanding of the items contained therein.

We appreciate the opportunity to provide these services to CenterPoint Integrated Solutions. If you have questions regarding this report or if we can be of further service, please do not hesitate to contact Jeff Waller at 951.801.3681.

Sincerely,

KLEINFELDER

A handwritten signature in blue ink that reads "Jeff Waller". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Jeffery D. Waller
Project Manager



**PHASE I ENVIRONMENTAL
SITE ASSESSMENT
PROPOSED AUTOMOTIVE DEALERSHIP
APNS 3106-261-26, 3106-261-27, 3106-261-28 AND
3106-261-29
VICTORVILLE, CALIFORNIA**

JUNE 19, 2018

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**ONLY THE CLIENT OR ITS DESIGNATED REPRESENTATIVES MAY USE THIS DOCUMENT AND ONLY FOR THE SPECIFIC
PROJECT FOR WHICH THIS REPORT WAS PREPARED.**

A Report Prepared for:

Centerpointe Integrated Solutions
1240 Bergen Parkway, Suite A-250
Evergreen, Colorado 80439

**PHASE I ENVIRONMENTAL
SITE ASSESSMENT
PROPOSED AUTOMOTIVE DEALERSHIP
APNS 3106-261-26, 3106-261-27, 3106-261-28 AND 3106-261-29
VICTORVILLE, CALIFORNIA**



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June 19, 2018
Kleinfelder Project No. 20183689.001A

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This report documents a Phase I Environmental Site Assessment (ESA) performed by Kleinfelder, Inc. (Kleinfelder) for CenterPoint Integrated Solutions (CIS / Client), of a property consisting of portions of four parcels of land identified as San Bernardino County Assessor's Parcel Numbers (APNs) 3106-261-26, 3106-261-27, 3106-261-28, and 3106-261-29 (collectively referred to as the Site), located on the east side of Civic Drive, approximately 600 feet south of Roy Rogers Drive, in the City of Victorville, San Bernardino County, California (see Figure 1, Site Location Map). Kleinfelder understands the Client has requested a Phase I ESA be performed prior to acquiring and redeveloping the Site as an automotive dealership.

This report was prepared using the ASTM International Designation E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (the ASTM Standard), and the All Appropriate Inquiry (AAI) section of the Small Business Liability Relief and Revitalization Act (the Federal Brownfields Law). The Phase I ESA findings include the following:

- The Site is situated on portions of four parcels of land, together comprising approximately 5 acres of land. The parcels are identified as San Bernardino County APNs 3106-261-26, 3106-261-27, 3106-261-28, and 3106-261-29. The Site is vacant land with no assigned street addresses.
- The Site has been historically undeveloped desert land and was graded by 2008. It remains vacant with no structures or other features observed.
- During the Site reconnaissance, some debris (decayed fiber rolls, polyvinyl chloride [PVC] pipe, television, shopping cart, and concrete rubble) was observed across the Site. The planned entrance to the Site from Civic Drive has a soil berm across it. No containers of hazardous materials and/or petroleum products were observed, and no evidence of staining was observed around discarded items.
- No off-Site facilities are considered likely to have affected soil, soil vapor or groundwater beneath the Site.
- A Tier 1 vapor encroachment screening (VES) was performed in accordance with ASTM E 2600-15, and a vapor encroachment concern (VEC) was not identified for the Site.

This assessment has revealed no evidence of recognized environmental conditions (RECs), controlled RECs (CRECs), historical RECs (HRECs), or *de minimis* conditions in connection with the Site. Based on the results of this Phase I ESA, the risk of environmental impairment at the Site is low.

This report is a summary of work performed using the guidelines set forth in the ASTM Standard and the AAI standards of the Small Business Liability and Revitalization Act (the “Brownfields Law”). This report also generally conforms to the ASTM Standard’s suggested table of contents. Minor format modifications have been made to the ASTM Standard’s suggested table of contents to assist in better reading and understanding the report findings.

2.1 PURPOSE

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the scope of services defined in our Proposal No MP181157.001P/RIV17P70591, dated December 19, 2017, the scope defined in the ASTM Standard, and limitations discussed in this report, RECs. As defined in the ASTM Standard, a REC is:

“The presence or likely presence of any hazardous substances or petroleum products in, on or at a property: (1) due to a 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 are not recognized environmental conditions.”

As defined in the ASTM Standard, a *de minimis* condition is:

“A condition that generally does 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.”

ASTM Standard E 1527-13 also introduced the designation of CREC. As defined in the ASTM Standard, a CREC is:

“... 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 (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

Additionally, the ASTM Standard defines HRECs as:

“...a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to environmental controls.”

The final decision regarding whether a past release is an HREC rests with the environmental professional (EP), and will be influenced by the current impact (if any) of the past release to the Site.

This report describes Kleinfelder’s assessment methodology and documents its findings, subject to the limitations presented in Section 2.5 of this report.

Kleinfelder professionals conducting this Site assessment included Ms. Lindsey Dandridge-Perry, Environmental Professional and the primary author of this report. Ms. Karin Hagan, Environmental Professional performed the Site reconnaissance. This report was reviewed by Ms. Margaret Carroll and Ms. Lizanne Simmons, both Environmental Professional. Resumes of Environmental Professionals are available from Kleinfelder upon request.

2.2 DETAILED SCOPE OF SERVICES

The following sections describe Kleinfelder’s work scope:

- Section 2, **Introduction**, includes a discussion of the purpose/reason for performing the Phase I ESA, additional services requested by the Client (e.g., an evaluation of business environmental risk factors associated with the Site), significant assumptions (e.g., property boundaries if not marked in the field), limitations, exceptions, special terms and conditions (e.g., contractual), and user reliance parameters.
- Section 3, **Site Description**, is a compilation of information concerning the Site location, legal description (if provided by the Client), current and proposed use of the Site, a description of structures and improvements on the Site at the time of Kleinfelder’s assessment, and adjoining property use.
- Section 4, **Records Review**, is a compilation of Kleinfelder’s review of several databases available from Federal, State, and local regulatory agencies regarding hazardous substance use, storage, or disposal at the Site; and for off-Site facilities within the search

distances specified by the Standard Practice. Records provided by the Client are summarized, and copies of relevant documents are included in the appendices of this report. Physical setting sources (including topography and soil and groundwater conditions) and typical Client-provided information (e.g., title records, environmental liens, specialized knowledge, valuation reduction for environmental issues, and owner, property manager, and occupant information) are also summarized. Other interviews with people knowledgeable about the Site (including the Client) are included in Section 7.

- Section 5, **Site History**, summarizes the history of the Site and adjoining properties. This Site history is based on various sources, which may include a review of historical aerial photographs, Sanborn Fire Insurance Maps, city or suburban directories, historical topographic maps, building department records, and results of previous Site assessments (if any and reasonably ascertainable).
- Section 6, **Site Reconnaissance**, describes Kleinfelder's observations during the Site reconnaissance. The methodology used and limiting conditions are also described.
- Section 7, **Interviews**, is a summary of telephone and personal interviews performed with "Key Site Managers" that may include the Site owner/manager, occupants/tenants, local government officials, and the Client. Additional interview sources may be contacted if Key Site Managers were not available prior to production of this report, and may include adjoining landowners and people with historical knowledge of the area.
- Section 8, **Evaluation**, is a presentation of findings and opinions regarding the information provided in Sections 3 through 7, a summary of Deviations and Additional Services (e.g., VES) performed, and a summary of the conclusions regarding the presence of RECs connected with the Site.
- Section 9, **References**, is a summary listing of the resources used to compile this report.

A statement of qualifications of the signatories of this report is provided in Appendix A of this report, and pertinent documentation regarding the Site is included in Appendices B through D.

2.3 ADDITIONAL SERVICES

Kleinfelder's scope of services did not include an assessment for asbestos-containing materials (ACMs), radon, lead-based paint (LBP), lead in drinking water, regulatory compliance, molds and mildews, indoor air quality, industrial hygiene, health and safety, high-voltage power lines, and

other Standard Practice non-scope considerations not described herein. Additional services requested as part of this Phase I ESA included a Tier 1 VES pursuant to ASTM E 2600-15 (see Section 8.3.1).

2.4 SIGNIFICANT ASSUMPTIONS

Kleinfelder does not guarantee the accuracy of information supplied by its sources, but reserves the right to rely on the information in forming a professional opinion regarding the potential for contamination at the Site. It is assumed the Client provided Kleinfelder all applicable and available environmental records and specialized knowledge in its possession regarding the Site. Kleinfelder has not made other significant assumptions during the performance of this Phase I ESA.

2.5 LIMITATIONS AND EXCEPTIONS

Phase I ESAs are non-comprehensive by nature and may not identify all environmental problems, and will not eliminate all risk. This report is a qualitative assessment. Kleinfelder offers a range of investigative and engineering services to suit the needs of our clients, including more quantitative investigations. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help the Client understand and better manage risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service, which will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further.

Kleinfelder performed this Phase I ESA in general accordance with the guidelines set forth in the ASTM Standard, and the proposed scope subsequently approved by our Client. No warranty, either express or implied, is made. Environmental issues not specifically addressed in this report were beyond the scope of our services and not included in our evaluation.

This report may be used only by Client and CarMax and only for the purposes stated within a reasonable time from its issuance, but in no event later than 1 year from the date of the report. Land or facility use, on- and off-Site conditions, regulations, or other factors may change over time, and additional work may be required with the passage of time. Since Site activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings, and opinions can be considered valid only as of the date of the Site visit. Pursuant to the ASTM Standard's Section 4.6, this report should not be relied upon after 180 days from the date of its oldest component. Any party other than Client who wishes to use this report shall notify Kleinfelder of such intended use. Based on the intended use of the report, Kleinfelder

may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the Client or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party, but only to the extent of any such non-compliance by the Client.

2.6 SPECIAL TERMS AND CONDITIONS

No special terms and conditions were agreed to by the Client and Kleinfelder.

3 SITE DESCRIPTION

The Site description is presented in this section and describes the condition of the Site at the time of the Phase I ESA. The Site location is shown on Figure 1. Tables 3-1 through 3-4 summarize the physical characteristics of the Site and adjoining properties.

3.1 LOCATION AND LEGAL DESCRIPTION

The information presented in Table 3-1 denotes the physical location and legal description of the Site. This information was obtained from review of various maps (such as topographic maps and tax assessor maps), aerial photographs, public records at City and/or County offices, interviews, and/or information provided by the Client.

Table 3-1
Location and Legal Description

PARAMETER	INFORMATION/COMMENTS
LOCATION	The Site is located east of Civic Center Drive, approximately 600 feet south of Roy Rogers Drive in the City of Victorville, San Bernardino County, California (see Figure 1, Site Location Map).
LEGAL DESCRIPTION	The legal description of the Site parcels is presented in the EDR Environmental Lien and AUL Search report (EDR, 2018a) provided in Appendix C. It should be noted that the legal description is not specific to the Site boundaries.
ASSESSOR'S PARCEL NUMBER	The Site is situated on portions of four parcels of land identified as San Bernardino County APNs 3106-261-26, 3106-261-27, 3106-261-28, and 3106-261-29.
ADDRESS(ES)	The Site parcels are not assigned street addresses.
SECTION, TOWNSHIP, AND RANGE	Township 5 North, Range 4 West, Section 17, San Bernardino Baseline and Meridian.
ZONING	Based on information obtained from the City of Victorville's website (http://www.victorvilleca.gov/Site/CityDepartments.aspx?id=78), the Site is zoned "C-2" for General Commercial use.

3.2 CURRENT / PROPOSED USE OF THE PROPERTY

At the time of Kleinfelder's assessment, the Site was vacant. Current and proposed Site uses are described in Table 3-2.

**Table 3-2
Current and Proposed Uses**

PARAMETER	GENERAL OBSERVATIONS
CURRENT USE	Vacant.
PROPOSED USE	Automotive dealership.

3.3 DESCRIPTION OF STRUCTURES / IMPROVEMENTS

Structures and/or improvements observed on the Site at the time of Kleinfelder's reconnaissance are described in Table 3-3.

**Table 3-3
Structures and Improvements**

PARAMETER	GENERAL OBSERVATIONS
STRUCTURES	No structures are located on the Site.
IMPROVEMENTS	No improvements were observed on the Site. Utilities were observed off Site, along Civic Drive and in the adjacent sidewalk.

3.4 CURRENT USES OF ADJOINING PROPERTIES

Kleinfelder performed a brief drive-by survey of the properties immediately adjoining to the Site on May 15, 2018. A summary of the observations regarding the surrounding properties is presented in Table 3-4 and shown on Figure 2, Site Vicinity Map.

**Table 3-4
Adjoining Properties**

DIRECTION	LAND USE DESCRIPTION
NORTH	Vacant land adjoins the Site to the north, beyond which are commercial restaurant properties.
EAST	The interchange between Interstate 15 (I-15) and Roy Rogers Drive adjoins the Site to the east. Commercial properties are located east of I-15.
SOUTH	Victorville Motors (15706 Valley Park Lane/14617 Civic Drive) and Valley-Hi Honda (15710 Valley Park Lane) adjoin the Site to the south.
WEST	Civic Drive adjoins the Site to the west, beyond which is Home Depot (15655 Roy Rogers Drive) and an associated parking lot.

Hazardous materials and petroleum products were not observed to be stored on the properties adjoining to the Site. However, although not observed, the automotive dealerships south of the Site likely use and store hazardous materials and/or petroleum products. No other indications of obvious or suspect RECs were apparent on the adjoining properties at the time of Kleinfelder's Site reconnaissance.

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The purpose of the records review was to obtain and review records that would help to evaluate RECs of potential concern in connection with the subject Site and bordering properties. Federal, state and local regulatory agencies publish databases or "lists" of businesses and properties that handle hazardous materials or hazardous waste, or are the known location of a release of hazardous substances to soil and/or groundwater. These databases are available for review and/or purchase at the regulatory agencies, or the information may be obtained through a commercial database service. Kleinfelder contracted a commercial database service, EDR of Shelton, Connecticut to perform the government database search for listings within the appropriate ASTM minimum search distance of the Site. Kleinfelder provided EDR with a Site map to incorporate the search distances from the Site boundary. Included in The EDR Radius Map™ Report with GeoCheck® is a listing of specific databases outlined by the ASTM Standard (EDR, 2018b). A listing of the search distances, databases evaluated, dates the databases were last updated, and types of information contained in each database are included in the regulatory database search provided as Appendix B to this report.

EDR utilizes a geographical information system to plot the locations of reported spills, leaks, incidents, etc. Kleinfelder reviews this information to help establish if the Site, or nearby properties, have been included in the noted databases and lists. Each of the listings was reviewed to assess whether the corresponding property details included in the EDR report revealed a potential environmental impact to the Site. A number of listings on the EDR database were found not to have the potential to impact the Site based on the following, or a combination thereof:

- The listed property was located at a distance where the facility would be unlikely to impact the Site based on Kleinfelder's evaluation of the relevant data in the EDR report and knowledge of the Site vicinity.
- The listed property was located in a down-gradient or cross-gradient direction from the Site, based on the anticipated direction of groundwater flow at the property being evaluated, and is located at a distance that would be unlikely to impact the Site. Note that groundwater flow direction may be variable in the vicinity of the Site and determinations as to down- or cross-gradient direction were made only when groundwater flow direction was available for a specific property.
- The listed property was identified in the underground storage tank (UST) or Small Quantity Generator (SQG) databases and was not on or immediately adjoining the Site. The

property was not listed in other databases that reported a release of a hazardous substance or petroleum product and/or was not listed as having environmental violations. The listing of a facility on these databases alone is not indicative of an unauthorized release.

- The listing for the facility suggested a short-term release had occurred (i.e., from incidental traffic accidents, or chemicals from illegal drug labs found at residences) with associated response actions completed.
- The quantity of the hazardous substances or petroleum product released from an off-site facility was not considered to have resulted in contamination above the most stringent criteria that would require regulatory action. Therefore, no impact to the Site is anticipated.
- The listed property record indicates that the property was characterized, the reported release affected soil only, the listed property was not on or adjacent to the Site, and the release was not recognized as indicative of area-wide conditions or was characterized as a soil removal action only.
- The listed property record indicates that contamination on the property is limited to relatively non-mobile contaminants, including polyaromatic hydrocarbons and metals, in soil only, on a non-adjacent property.
- The listed property record indicates that the case has been closed to the satisfaction of the designated lead regulatory agency and residual contamination, if present, is not considered likely to affect the Site based on one or more of the criteria mentioned in the bulleted items above (referred in the ASTM Standard as an HREC). If hazardous substances or petroleum products were allowed to remain in place with property controls (e.g. activity and use limitations, institutional controls or engineering controls), this would be considered a CREC pursuant to the ASTM Standard.

Based on these criteria indicating no material threat of a release that affected the Site and/or no release that could require future regulatory agency oversight, these listings were not evaluated further and are not discussed in the following sections.

4.2 RESULTS OF DATABASE SEARCH

The remaining property listings were reviewed to assess whether these properties had environmental releases that may have resulted in RECs in relation to the Site. If the listed properties had a reported release which may have resulted in an REC, the property was further assessed by performing a review of agency files available via the GeoTracker™ website

(<http://geotracker.waterboards.ca.gov/>) of the State Water Resources Control Board (SWRCB) and/or other relevant regulatory agency websites to evaluate whether the listed release represents a potential impact to the Site.

4.2.1 Site Listings

The Site was not listed in databases searched by EDR.

4.2.2 Off-Site Listings

Certain off-Site properties were listed in standard Federal, State, and local lists within the Standard Practice search distances and the distances set forth in the ASTM Standard. Kleinfelder reviewed the listing information to assess the potential for impacts to soil, soil vapor, and groundwater beneath the Site.

Various listings are presented in the EDR database report associated with the storage and use of hazardous materials. A summary of facilities that were further assessed as potential environmental concerns to the Site are summarized below.

- *“Victorville County Court” (14855 Civic Drive)* – This facility is listed as a closed leaking underground storage tank (LUST) case where diesel had impacted soil. This facility was reported in the EDR database report as being located approximately 61 feet west-southwest of the Site. However, based on review of the case closure report and summary on GeoTracker™, this facility appears to be located south of Seneca Drive at the Victorville County Court, over 1,700 feet south of the Site. Based on the case status, distance from the Site, and media affected (soil only), this facility is not considered a REC to the Site.
- *“Valley Hi Honda” (15710 Valley Park Lane)* – This facility is located on the property that adjoins to the south of the Site. The facility was listed in the above-ground storage (AST) database as maintaining a 1,500-gallon AST. No releases were reported. Based on no releases reported at this facility, this facility is not considered a REC to the Site.
- *“Home Depot No HD1844” (15655 Roy Rogers Drive)* – This facility is located on the property that adjoins to the southwest of the Site. This facility was listed in the HAZNET, RCRA-SQG, and San Bernardino County Permit databases as storing and generating hazardous waste. No releases or violations were reported. Based on no releases reported at this facility, this facility is not considered a REC to the Site.

4.2.3 Orphan List

Facilities not plotted by EDR due to poor or inadequate address information are referred to as orphan sites. No orphan sites were listed in the EDR report.

4.3 OTHER RECORDS REVIEWED / AGENCIES CONTACTED

The following additional sources of environmental records were reviewed during this Phase I ESA for the purposes of meeting the Standard Practice. Local regulatory agencies were contacted for reasonably ascertainable and practically reviewable documentation regarding RECs present at the Site and adjoining facilities. Summaries of interviews with local regulatory agency representatives, when performed, are included in Section 7 of this report (with interview documentation included in Appendix C). The following agencies (if marked with an "X") were contacted for documentation:

- City of Victorville Building Division
- San Bernardino County Fire Department (SBCFD)
- State Water Resources Control Board / GeoTracker™ Database
- Pipeline and Hazardous Materials Safety Administration (PHMSA), National Pipeline Mapping System (NPMS)
- State Department of Toxic Substances Control (DTSC) / EnviroStor Database
- Mojave Desert Air Quality Management District (MDAQMD)

Information obtained from these agencies is summarized below.

4.3.1 City of Victorville Building Division

Kleinfelder submitted a written request to the City of Victorville to review available building permits for the Site on May 2, 2018. The City of Victorville City Clerk responded in an email on May 14, 2018, with a list of building permits pertaining to the Site. In summary, building plans (for rough grading) were submitted and a permit was issued for the Site on August 14, 2008. No other permits were available. No RECs were identified based on building permit information provided. A copy of the information is presented in Appendix C.

4.3.2 San Bernardino County Fire Department

Kleinfelder submitted a written request to the San Bernardino County Fire Department to review records pertaining to hazardous materials usage and storage, including ASTs and USTs for the Site on May 2, 2018. The SBCFD responded in a letter dated May 10, 2018, that no records were available for the Site. A copy of the SBCFD response is included in Appendix C.

4.3.3 State Water Resources Control Board / GeoTracker™ Database

Kleinfelder reviewed the SWRCB GeoTracker™ website (<http://geotracker.waterboards.ca.gov/>) on April 30, 2018, for information associated with releases of hazardous materials or substances at the Site. A listing for a closed LUST case at 14455 Civic Drive was shown on the GeoTracker™ map on Civic Drive adjoining the Site. Address 14455 Civic Drive maps south of the Site, southeast of the intersection of Civic Drive and the intersection with Seneca Drive. The GeoTracker™ summary for this listing indicates an address of 14855 Civic Drive, a facility name of Victorville County Court, and a cross-street on “Senca” (e.g., Seneca) Drive. Based on the address listed on the closure letter, the facility name, and the cross-street, it appears that this facility is actually located over 1,700 feet south of the Site. Based on the location of this facility with respect to the Site, and the low risk soil only case closure, in Kleinfelder’s opinion this listing does not represent a REC to the Site. A copy of the GeoTracker™ map and records are included in Appendix C.

4.3.4 Pipeline and Hazardous Materials Safety Administration, National Pipeline Mapping System

Pipeline information is available at the PHMSA’s online NPMS website (<https://www.npms.phmsa.dot.gov/>). Kleinfelder researched pipeline information on the website on April 30, 2018, for the Site. Based on Kleinfelder’s review of the NPMS website, no mapped natural gas transmission pipelines or hazardous liquid pipelines are located on Site, or on properties that adjoin the Site. A copy of the NPMS map is included in Appendix C.

4.3.5 State Department of Toxic Substances Control / EnviroStor

Kleinfelder reviewed the DTSC EnviroStor website (<http://www.envirostor.dtsc.ca.gov/>) on May 1, 2018, for information pertaining to the Site. Based on Kleinfelder’s review of the website, no

listings were found pertaining to the Site or adjoining properties. A copy of the EnviroStor map search results is included in Appendix C.

4.3.6 Mojave Desert Air Quality Management District

Kleinfelder performed a search of the MDAQMD’s online permit database (<http://permitting.mdaqmd.ca.gov/search/facility?keyword=Civic+Drive>) on May 1, 2018, for information pertaining to the Site and adjoining properties. Three listings were shown for Civic Drive: two listings for 14455 Civic Drive; and, one listing for 14343 Civic Drive. Both addresses are located over 1,700 feet south of the Site. Based on the distance from the Site, these facilities are not considered likely to affect the Site. A copy of the search results is included in Appendix C.

4.4 PHYSICAL SETTING SOURCE(S)

Table 4-1 presents information concerning the physical setting of the Site. The information was primarily obtained from published maps.

**Table 4-1
Physical Setting**

DATA	GENERAL INFORMATION
USGS TOPOGRAPHIC QUADRANGLE	Based on the United States Geological Survey (USGS) Victorville Quadrangle 7.5-Minute Series (Topographic) Map, dated 1993, the Site elevation is shown approximately 2,940 feet above Mean Sea Level (MSL). The topographic gradient is shown sloping towards the northeast.
SOIL TYPE	Based on the EDR Radius Map™ Report with GeoCheck®, Physical Setting Source Summary, several soil components are present beneath the Site. These include: the Helendale and Bryman soil components, which are deep and moderately deep, moderately well and well-drained soils with moderately coarse textures; and, the Cave soil component, which consists of clayey soils (EDR, 2018b).
OIL AND GAS WELLS	Information concerning oil and gas fields was obtained by Kleinfelder from published maps available for download on the Division of Oil, Gas, and Geothermal Resources (DOGGR)’s internet web site (http://maps.conservation.ca.gov/doggr/index.html). Kleinfelder researched oil well information on the DOGGR website on April 30, 2018, for the Site and Site vicinity. Based on Kleinfelder’s review, no oil wells are located on the Site or in the immediate Site vicinity.

Table 4-2 presents information concerning regional geology and hydrogeology. The information was obtained from published maps and other sources.

**Table 4-2
Regional Geology and Hydrogeology**

PHYSICAL PARAMETER	INFORMATION/COMMENTS
REGIONAL PHYSIOGRAPHY AND GEOLOGY	The Site is located in the Mojave Desert geomorphic province. The Mojave Desert is located in southeastern California and is bounded to the southwest by the San Andreas fault and the Transverse Ranges, and to the north and northeast by the Garlock fault and the Basin and Range geomorphic province. The Nevada state line and the Colorado River form the arbitrary eastern boundary, although the province actually extends into southern Nevada and western Arizona. The Mojave Desert is characterized by mountain ranges separated by desert plains and playas. Northwest to southeast trending fault zones, and west to east trending fault zones control the topography (California Geological Survey [CGS], 2002).
REGIONAL HYDROGEOLOGY	The Site is located within the Upper Mojave River Valley Groundwater Basin of the South Lahontan Hydrologic Region. The Upper Mojave River Valley Groundwater Basin consists of an elongate north-south valley bound by basement rocks outcropping near the town of Helendale to the north; quaternary sedimentary deposits and basement rocks of the San Bernardino Mountains to the south; the Helendale fault to the southeast; basement rock and the mountains surrounding Apple Valley to the east; a surface drainage divide between the Upper Mojave Groundwater Basin and the El Mirage Valley Basin, and Shadow Mountain to the west (California Department of Water Resources [CDWR], 2004). The primary water-bearing units consist of regional Pliocene and younger alluvial fan deposits (fan unit), and of overlying Pleistocene and younger river channel and floodplain deposits (floodplain unit) (CDWR, 2004).
DEPTH TO GROUNDWATER DIRECTION OF ANTICIPATED FLOW ¹	Based on Fourth Quarter 2017 groundwater monitoring performed at a facility listed in GeoTracker™, located approximately 0.5-mile southeast of the Site, groundwater is historically present between approximately 91 and 94 feet below ground surface (The Reynolds Group, 2018). Documents for this facility did not have groundwater flow information, but based on groundwater information from a facility listed on GeoTracker™ a little further to the southeast, groundwater flows to the east (Stratus Environmental, Inc, 2010).
REGIONAL GROUNDWATER QUALITY PROBLEMS	Water quality in the Upper Mojave River Valley Groundwater Basin is characterized as predominantly sodium bicarbonate near Victorville (CDWR, 2004). High nitrate concentrations are present in the southern portion of the basin; high iron and manganese are present in the basin near Oro Grande; trichloroethylene is present in groundwater beneath the former George Air Force Base; and, hydrocarbons are present in groundwater beneath Victorville due to leaking underground storage tanks (CDWR, 2004).

¹ Groundwater flow direction is based on regional information sources. Site-specific conditions may vary due to a variety of factors including geologic anomalies, utilities, nearby pumping wells (if present), and others.

4.5 USER PROVIDED INFORMATION

According to the Client, the purpose for performing this Phase I ESA is to evaluate the potential for RECs at the Site prior to acquiring the property for redevelopment as an automotive dealership. Information regarding the current owners/occupants of the Site is summarized in Table 4-3.

**Table 4-3
Owner and Occupant Information**

ENTITY	NAME
OWNER	According to the <i>EDR Environmental Lien and AUL Search</i> report (EDR, 2018a), the current owner of the Site parcels is the "Civic Rogers, LLC".
OCCUPANT(S)	Not occupied.

Summaries of interviews of key individuals with knowledge of the Site ("Key Site Managers") are provided in Section 7. The following sections present information provided to Kleinfelder by the Client.

4.6 TITLE RECORDS

Chain-of-title information was provided by the Client. A summary of Kleinfelder's review of the chain-of-title report is as follows:

- Civic Rogers, LLC is the current owner as of April 18, 2018. A deed for the Site was recorded on May 8, 2006. This deed agreement was modified on January 11, 2010, and September 3, 2010. Covenants, restrictions, easements were recorded on July 10, 2008, and September 9, 2009. Details were recorded in documents entitled "Land Division Improvement Construction Agreement" dated July 14, 2008, and "Land Division Improvement Construction Agreement" dated October 31, 2008.
- A street easement was recorded May 7, 1974. Easement details were recorded in a document entitled "Land Division Improvement Construction Agreement" dated October 3, 1991.
- Public utility easements were recorded on February 25, 2009, (re-recorded on May 20, 2009) and April 7, 2009, (re-recorded on May 21, 2009). Easements were included in documents "Victorville Redevelopment Agency Owner Participation Agreement" dated June 4, 2009,

modified September 4, 2009, and November 10, 2010; and “Agreement to Terminate and Release Owner Participation Agreement” dated December 14, 2016.

- The Site was included in the Victor Valley Redevelopment Project Area which was recorded in July 15, 1992. Project details were recorded in a “Utility Surety Agreement” document dated August 18, 1992, and the “Owner Participation Agreement” dated April 14, 1994.

4.7 ENVIRONMENTAL LIENS AND USAGE LIMITATIONS

According to information provided in EDR’s regulatory agency database search report (EDR, 2018b), there are no liens pertaining to the Site listed in the Federal superfund liens list maintained by the United States Environmental Protection Agency (US EPA), nor known recorded land-use environmental deed restrictions pertaining to the Site listed in the State Liens Database. Kleinfelder’s review of the *EDR Environmental Lien and AUL Search* report (EDR, 2018a) indicates there are no environmental liens or activity and use limitations (AULs) associated with the Site. A copy of the report is provided in Appendix C.

4.8 VALUE REDUCTION

As part of the Standard Practice process, information is to be gathered regarding the prospective purchase price of the Site relative to its fair market value. If there appears to be a value reduction, that reduction must be identified with respect to whether the difference may be attributed to environmental degradation of the property. Mr. Hudak, Real Estate Manager with CarMax, indicated that the price for the Site reflects fair market value.

4.9 OTHER INFORMATION / DOCUMENTS PROVIDED

The Client forwarded documents that were provided by the seller. A summary of the documents is provided below.

- Krazan & Associates, LLC (Krazan), 2008. Phase I Environmental Site Assessment, Desert Oasis – Phase 3, SEC of Civic Drive and Roy Rogers Drive, Victorville, California, December 4. Krazan performed a Phase I ESA on a larger piece of land that included the Site. At the time of the field reconnaissance, the property had been graded in preparation for development, and a soil stockpile was present in the center of the property. No

structures were present on the property, and no signs of spills or releases were observed. No RECs were identified based on the results of this Phase I ESA.

- RCA Associates, Inc. (RCA), 2008. Sensitive Wildlife Survey and Habitat Assessment for Mohave Ground Squirrel, Desert Oasis Plaza, Phase 3, February 26. RCA performed focused surveys for the desert tortoise, Mohave ground squirrel, burrowing owl, sharp-shinned hawk, and loggerhead shrike at a larger piece of land that included the Site. Results of the focused surveys indicated that two burrowing owl burrows and owl sign were observed. Based on the disturbed habitat, the property was indicated unlikely to have tortoises and ground squirrels occur on the property. Additionally, there was no suitable habitat for the sharp-shinned hawk and loggerhead shrike. The report indicated that a Burrowing Owl Mitigation and Monitoring Plan should be submitted prior to relocation of the owls.

- Utility plans including the following were provided for the surrounding properties:
 - Desert Oasis Gas Plan.
 - Desert Oasis Edison Plan.
 - Desert Oasis Cable Plan.

- California Environmental Quality Act (CEQA) Documents including the following were provided:
 - Notice of Determination – describes plan for a commercial retail center, a proposed parcel map creating six parcels from one existing parcel, and a conditional use permit for signs.
 - Grading permit dated January 8, 2009.
 - A Department of Fish and Game transmittal, dated August 14, 2008 - indicates that the burrowing owl requirements had been met for the project to start grading.
 - Joshua Tree Inspection Report, dated June 17, 2008 – identifies five trees that need to be relocated.
 - California Regional Water Quality Control Board Letter dated July 25, 2008 – this letter is a Notice of Intent to comply with the Statewide Storm Water General Permit.
 - California Regional Water Quality Control Board Letter dated February 3, 2010 – this letter is a Notice of Termination of coverage under the Statewide Storm Water General Permit.

The history of the Site was researched to identify obvious uses. Historical land use was researched to the first developed use, or back to 1940, whichever was earlier or readily available. Table 5-1 summarizes the availability of information reviewed during this assessment.

**Table 5-1
Historical Information Sources**

SOURCE	YEARS REVIEWED	SOURCE / AVAILABILITY
SANBORN FIRE INSURANCE MAPS	Not available	EDR, 2018c
AERIAL PHOTOGRAPHS	1953, 1959, 1968, 1974, 1984, 1994, 2005, 2010 and 2014	EDR, 2018d
CITY DIRECTORIES	1964 – 2014 (select years)	EDR, 2018e
HISTORICAL TOPOGRAPHIC MAP REPORT	1932, 1934, 1956, 1968, 1980/1981, 1993, and 2012	EDR, 2018f
BUILDING DEPARTMENT	2001 - 2018	EDR, 2018g
PREVIOUS ASSESSMENT(S)	2008 - 2010	See Section 4.9

5.1 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance Maps provide historical land use information for some metropolitan areas and small, established towns. Kleinfelder requested EDR to search its library of Sanborn Fire Insurance Maps for maps of the Site. EDR responded that Sanborn Fire Insurance Maps were not available for the Site (EDR, 2018c).

5.2 AERIAL PHOTOGRAPHS

A review of historical aerial photography may indicate past activities at a property that may not be documented by other means or observed during a reconnaissance visit. The effectiveness of this technique depends on the scale and quality of the photographs and the available coverage. Aerial photographs were obtained from several historical photograph collections through EDR (2018d) and span a period of 61 years. A tabulation of the aerial photographs reviewed by Kleinfelder is presented in Table 5-2. Copies of the aerial photographs provided by EDR are included in Appendix D.

Table 5-2
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1953	1" = 500'	<p>Site: The Site appears to be undeveloped desert land.</p> <p>Surrounding Area: The surrounding land is undeveloped. An unimproved road is present south of the Site.</p>
1959	1" = 500'	<p>Site: The Site remains undeveloped desert land.</p> <p>Surrounding Area: The surrounding properties appear generally the same as on the previously-reviewed aerial photographs with the exception that the I-15 is now present east of the Site.</p>
1968	1" = 500'	<p>Site: The Site remains undeveloped desert land.</p> <p>Surrounding Area: The surrounding properties appear generally the same as on the previously-reviewed aerial photograph. Residential housing is now present further to the north of the Site.</p>
1974	1" = 500'	<p>Site: The Site remains generally undeveloped. A dirt road extends north to south through the eastern portion of the Site, and the western border of the Site appears graded.</p> <p>Surrounding Area: The surrounding properties remain generally undeveloped. A commercial building and a circular graded area are present further to the south of the Site.</p>
1984	1" = 500'	<p>Site: The Site appears generally the same as on the 1974 aerial photograph.</p> <p>Surrounding Area: The surrounding properties remain generally the same. The commercial building and circular graded area now include a paved parking area and a paved circular road extending around the perimeter.</p>
1994	1" = 500'	<p>Site: The Site appears generally the same.</p> <p>Surrounding Area: The properties adjoining the Site to the north and to the south remain undeveloped. A paved road (Roy Rogers) is present further to the north and a paved road (Civic Drive) is present along the western border of the Site. An on-ramp connects Roy Rogers to southbound I-15 and forms the northeast border of the Site.</p>
2005	1" = 500'	<p>Site: The Site appears generally the same.</p> <p>Surrounding Area: The property to the north remains undeveloped. The properties to the south and southeast have been graded, with properties further to the south developed with commercial-type buildings and associated parking lots. The property west of Civic Drive (west of the Site), also has been graded.</p>

Table 5-2 (Continued)
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
2010 2014	1" = 500' 1" = 500'	<p>Site: The Site appears graded and vacant, associated with a larger graded area of land that extends to the north and south.</p> <p>Surrounding Area: The properties to the north are mostly graded and vacant, similar to Site conditions, except for a road/paved area around one of the properties northwest of the Site. The property southeast of the Site has been commercially developed and the property to the south appears to be in the process of being developed with a building footprint apparent in the graded area. The property west of the Site across Civic Drive has been developed with a parking lot associated with a commercial building (currently Home Depot) located southwest of the Site.</p>
<p>Note: Aerial photographs only provide information concerning indications of land use, and no conclusions regarding the release of hazardous substances or petroleum products can be drawn from the review of photographs alone.</p>		

5.3 CITY DIRECTORIES

City directories provide information regarding property occupants by address. EDR provided a city directory image report (EDR, 2018e), included in Appendix D, which provided a listing of properties researched along Civic Drive and Roy Rogers Drive between 1964 and 2014. The Site does not have an address and is therefore, not listed.

The following off-Site adjoining properties were listed:

- 14617 Civic Drive (adjoins south) – Occupied by Victorville Motors Inc. in 2005; Stawmit Companies LLC and Victorville Motors Inc. in 2014.
- 15655 Roy Rogers Drive (adjoins southwest) – Occupied by Home Depot USA Inc in 2010 and 2014.

5.4 HISTORICAL TOPOGRAPHIC MAP REVIEW

Kleinfelder obtained information regarding historical topographic maps of the Site vicinity from EDR (2018f). The topographic maps reviewed for this assessment are listed in Table 5-3 and copies of the maps are included in Appendix D.

Table 5-3
Historical Topographic Maps Reviewed

YEAR	SCALE	SUMMARY
1932 1934	1:125,000 1:125,000	<p>Site: The Site was undeveloped with no structures or other features shown.</p> <p>Surrounding Area: The surrounding properties were undeveloped. An unimproved road was shown extending east to west, south of the Site.</p>
1956	1:24,000	<p>Site: The Site remained undeveloped with no structures or other features shown.</p> <p>Surrounding Area: The surrounding properties were generally undeveloped. The unimproved road remained south of the Site. The I-15 freeway had been constructed east of the Site.</p>
1968	1:24,000	<p>Site: The Site remained undeveloped with no structures or other features shown.</p> <p>Surrounding Area: The surrounding properties remained undeveloped, though residential development was apparent further to the north of the Site adjoining I-15.</p>
1980/1981	1:24,000	<p>Site: The Site remained undeveloped, however, a road extended north to south through the eastern portion of the property. This road connected the residential development north of the Site to the unimproved road south of the Site.</p> <p>Surrounding Area: The surrounding properties remained generally the same. Development was shown further to the south of the unimproved road.</p>
1993	1:24,000	<p>Site: The Site was generally the same as on the 1980/1981 topographic maps.</p> <p>Surrounding Area: The surrounding properties were generally the same as on the 1980\1981 topographic maps with the exception of the unimproved road south of the Site, which is no longer shown.</p>
2012	1:24,000	<p>Site: The 2012 topographic map depicted roads and other physical features, but did not depict structures. Thus, no structures or other features were depicted on the Site.</p> <p>Surrounding Area: Increased roads and infrastructure are present in the Site vicinity. The I-15 remained east of the Site with a new on-and off-ramp present northeast of the Site. The on-ramp, connecting Roy Rogers (which is also now apparent) to I-15, extended along the northeast border of the Site. Another road (Civic Drive) forms the western border of the Site.</p>

5.5 BUILDING DEPARTMENT

EDR provided an EDR Building Permit Report (EDR, 2018g) for the Site address. Permits were not found for the Site parcel. See Section 4.3.1 for information obtained from the City of Victorville Building Division.

5.6 PREVIOUS ASSESSMENTS

Previous environmental assessments pertaining to the Site were summarized in Section 4.9.

Kleinfelder's Phase I ESA activities included a Site reconnaissance. This section summarizes the findings from the Site reconnaissance.

6.1 METHODOLOGY AND LIMITING CONDITIONS

Ms. Karin Hagan of Kleinfelder performed a Site reconnaissance on May 15, 2018. The Site reconnaissance included a visual inspection of the Site to assist in identifying the presence or likely presence of hazardous substances or petroleum hydrocarbons under conditions that indicate an existing release, a past release, or threat of release into structures, soil, groundwater, or surface water at the Site (i.e., RECs). Ms. Hagan was able to view the Site walking the perimeter and interior circuits and was not accompanied during the Site reconnaissance. Observations of readily-apparent environmental conditions are summarized in Table 6-1, and color photographs of the Site are presented on Figures 3 through 8. The approximate Site boundaries are shown on Figure 2.

6.2 GENERAL SITE SETTING

The Site is located east of Civic Drive, approximately 600 feet south of Roy Rogers Drive in the City of Victorville, San Bernardino County, California. At the time of the Site reconnaissance, the Site was vacant.

6.3 SITE OBSERVATIONS

Kleinfelder's Site observations are summarized in Table 6-1.

**Table 6-1
Site Observations**

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Current use	Vacant, unpaved land.	X	
Current use likely to indicate RECs			X
Past use	None observed.		X
Past use likely to indicate RECs	None observed.		X

**Table 6-1 (Continued)
Site Observations**

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Structures	None observed.		X
Roads	None observed.		X
Topography of Site and surrounding area	The Site topography is hummocky, with a swale near the center of the south Site boundary and a graded area near the center of the west Site boundary.	X	
ASTs	None observed.		X
Below grade vaults	None observed.		X
Burned or buried debris	None observed.		X
Chemical storage	None observed.		X
Chemical mixing areas	None observed.		X
Discolored soil or water	None observed.		X
Ditches, streams	A swale was observed near the center of the south Site boundary.	X	
Drains and piping	None observed.		X
Drums	None observed.		X
Electrical or hydraulic equipment (PCBs)	None observed on Site. One pad-mounted transformer was observed on the vacant commercial pad north of the Site.	X	
Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		Observed	Not Observed
Fill dirt from an unknown source	None observed.		X
Fill dirt from a known source	None observed.		X
Hazardous chemical and petroleum products in connection with known use	None observed.		X

**Table 6-1 (Continued)
Site Observations**

Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		Observed	Not Observed
Hazardous chemical and petroleum products in connection with unknown use	None observed.		X
Non-hazardous containers with contents	None observed.		X
Hazardous waste storage	None observed.		X
Heating and cooling system and fuel source	None observed.		X
Industrial waste treatment equipment	None observed.		X
Loading and unloading areas	None observed.		X
Odors	None observed.		X
Pits, ponds, or lagoons	None observed.		X
Pools of liquid	None observed.		X
Process waste water	None observed.		X
Sanitary sewer system	None observed.		X
Septic system (e.g. tank and leach fields)	None observed.		X
Soil piles	Pile of concrete rubble near the northwest corner of the Site, approximately two cubic yards.	X	
Solid waste/evidence of unauthorized dumping	Discarded items and windblown debris (non-hazardous) were noted across the Site.	X	
Stained pavement, soil or concrete	<i>De minimis</i> surface staining of soil, apparently associated with vehicle parking during recent drilling activities at the Site. Visible surface staining was removed at each location by the drilling subcontractor.	X	
Stains or corrosion (interior, non-water)	None observed.		X
Storm drains/catch basins	None observed on Site. Storm drain manholes and storm drains were observed off Site in Civic Drive and adjacent to the commercial properties to the north.	X	
Stressed vegetation	None observed.		X

**Table 6-1 (Continued)
Site Observations**

Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		Observed	Not Observed
Sumps and clarifiers	None observed.		X
Surface water	None observed.		X
USTs (including heating oil tanks)	None observed.		X
Unidentified substance containers	None observed.		X
Waste water discharge	None observed.		X
Water supplies (potable and process)	None observed on Site. Water utility markings and improvements were observed in Civic Drive.	X	
Wells (irrigation, monitoring, or domestic)	None observed.		X
Wells (dry)	None observed.		X
Wells (oil and gas)	None observed.		X

6.4 RESULTS OF SITE RECONNAISSANCE

The Site consists of vacant land with no structures or other improvements observed. The ground surface is primarily dirt, with scattered areas of light gravel. The Site topography is generally hummocky, with a swale located near the south-central portion of the Site. Near the west-central portion of the Site, the ground appears to have been graded with a light gravel surface and decayed fiber rolls visible. The planned entrance to the Site from Civic Drive has a soil berm across it. A small pile of concrete rubble and soil was observed in the northwestern corner of the Site, adjacent to the entrance to the commercial properties to the north.

Minor surficial soil staining was observed at various locations throughout the Site from apparent vehicle leakage associated with recent drilling activities. The staining was observed to be minor and is considered a *de minimis* environmental condition. However, Kleinfelder contacted the drilling subcontractor and requested and observed them remove visible staining at each location, thereby removing it from the Site.

A few discarded items were observed scattered across the Site, including PVC pipe, a small television, and a shopping cart. Windblown debris was primarily observed along the east and southeast fence lines. No containers of hazardous materials and/or petroleum products were observed, and no evidence of staining was observed around discarded items. Various wooden stakes and survey markers were observed throughout the Site associated with the proposed CarMax redevelopment.

Evidence of discolored water, stressed vegetation, USTs, ASTs, wells, pits, ponds, or lagoons was not observed on the Site during the reconnaissance.

Key Site Managers are contacted to obtain current and historical environmental information concerning the Site. The following sections highlight information revealed during the interviews.

7.1 INTERVIEW WITH CLIENT

Kleinfelder submitted a questionnaire to the Client on May 16, 2018, to obtain information regarding their knowledge of the Site. Mr. Steve Hudak, Real Estate Manager with CarMax, completed a questionnaire on May 30, 2018, (see Appendix C). Mr. Hudak indicated he is unaware of environmental liens, or AULs associated with the Site. He indicated that he does not have specialized knowledge regarding the Site or adjoining properties. He also indicated that the price for the Site reflects fair market value. Mr. Hudak indicated that the Site had been vacant/residential and had perhaps been agricultural years ago and he was not aware of chemicals, which may have been used or stored on the Site, nor was he aware of spills/chemical releases or environmental cleanup up liens associated with the Site. To his knowledge, there are no obvious indications of contamination or likely presence of contamination associated with the Site. A Preliminary Report, dated April 18, 2018, was provided to Kleinfelder for review. A summary of the Preliminary Report is presented in Section 4.6.

7.2 INTERVIEW WITH OWNER/MANAGER

Kleinfelder forwarded a questionnaire to Andrew Sun and John Young with Civic Rogers, LLC, the seller/owner of the Site. The completed questionnaire has not been received to date. However, the Client did forward documents that were provided to them by the seller. A summary of the pertinent documents is provided in Section 4.9.

7.3 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

Available information from regulatory agencies is summarized in Section 4.3. Interviews with agency official was deemed unnecessary based on information obtained or responses received.

Kleinfelder performed this Phase I ESA of the Site in conformance with the scope and limitations of the Standard Practice and the scope of services in our Proposal No. MP181157.001P/RIV17P70591, dated December 19, 2017. The following sections describe Kleinfelder's findings and provide general background information about the Site. Findings address RECs, HRECs, CRECs, and notation of *de minimis* quantities, as applicable to the Site. In summary, Kleinfelder's assessment revealed the following information concerning the Site:

8.1 BACKGROUND

The following is a summary of Site background information:

- The Site has been historically undeveloped desert land and was graded by 2008. It remains vacant with no structures or other features observed.

8.2 FINDINGS AND OPINIONS

The following is a summary of the findings and opinions of this Phase I ESA:

- The Site is situated on portions of four parcels of land, together comprising approximately 5 acres of land. The parcels are identified as San Bernardino County APNs 3106-261-26, 3106-261-27, 3106-261-28, and 3106-261-29. The Site is vacant land with no assigned street addresses.
- During the Site reconnaissance, some debris (decayed fiber rolls, PVC pipe, television, shopping cart, and concrete rubble) was observed across the Site. The planned entrance to the Site from Civic Drive has a soil berm across it. No containers of hazardous materials and/or petroleum products were observed, and no evidence of staining was observed around discarded items.
- No off-Site facilities are considered likely to have affected soil, soil vapor or groundwater beneath the Site.
- A Tier 1 vapor encroachment screening (VES) (Section 8.3.1) was performed in accordance with ASTM E 2600-15, and a vapor encroachment concern (VEC) was not identified for the Site.

8.3 DEVIATIONS AND ADDITIONAL SERVICES

Kleinfelder's scope of services did not include an assessment for ACMs, radon, LBP, lead in drinking water, regulatory compliance, molds and mildews, indoor air quality, industrial hygiene, health and safety, high-voltage power lines, and other Standard Practice non-scope considerations not described herein. Additional services requested as part of this Phase I ESA included a Tier 1 VES pursuant to ASTM E 2600-15. The following section briefly summarizes the Tier 1 VES.

8.3.1 Tier 1 Vapor Encroachment Screen

A Tier 1 VES was performed as part of this Phase I ESA in accordance with ASTM Designation E 2600-15, "*Standard Guide for Vapor Encroachment Screen on Property Involved in Real Estate Transactions.*" The purpose of the Tier 1 VES is to reduce (but not eliminate), using the information developed by the Phase I ESA, the uncertainty regarding whether or not a VEC exists at the Site. A VEC is the presence or likely presence of chemicals of concern (typically volatile organic compounds [VOCs] and/or petroleum hydrocarbons) within the subsurface soil or groundwater, within a defined Area of Concern (AOC), which can potentially intrude in the form of vapor into structures present on a given site.

The AOC is defined by ASTM Designation E 2600-15 as the Site and vicinity within an approximate radial distance of 0.1 mile (528 feet) of the Site for petroleum hydrocarbon releases, and 0.33 mile (1,760 feet) for non-petroleum hydrocarbon releases (chlorinated VOCs, etc.). The AOC may be further reduced based on the known groundwater flow direction, as follows:

- Down-gradient properties to within the critical distance (100 feet for non-petroleum VOCs and light non-aqueous phase liquid, and 30 feet for dissolved petroleum hydrocarbons); and,
- Cross-gradient properties to the critical distance plus 0.5 times the width of the contaminant plume (but if plume width cannot be determined, then the AOC cannot be reduced).

On May 3, 2018, Kleinfelder compiled a VES utilizing the EDR regulatory agency database, which included listings for properties within the appropriate ASTM search distances of the Site, dominant soil composition for the Site and Site vicinity, and groundwater flow data obtained from information for a nearby Site listed on GeoTracker™.

The VES identified the following environmental database records within the maximum AOC distance of 0.33 mile, including:

- No records were on Site;
- Two records were within 0.1 mile of the Site; and,
- No records, between 0.1 mile and 0.33 mile of the Site.

Based on the findings of the Phase I ESA, the groundwater flow direction at the Site is generally toward the east. The up-gradient directions are thus to the west, northwest, and southwest of the Site, the down-gradient directions are to the east, northeast, and southeast of the Site, and the cross-gradient directions are to the north and south of the Site. Based on this:

- One of the two properties (Mobil Choice, Inc.), is located up-gradient of the Site; and,
- The remaining property (Victorville County Court) was mis-mapped by GeoTracker™ and is actually located south and cross-gradient of the Site.

Based on the reviewed records, the one up-gradient property (Mobil Choice Inc.) is a historical gasoline service station that operated in 2011 and is located at an approximate distance of 350 feet to the northwest (less than 0.1-mile from the Site). No releases were reported for this facility, so it may be eliminated from the VES pursuant to ASTM Designation E 2600-15.

The mis-mapped cross-gradient property had an identified release of petroleum hydrocarbons to soil, for which the case was closed. However, this property is located over 0.33-mile south of the Site and may thus, be eliminated from the VES pursuant to ASTM Designation E 2600-15.

Based on the information discussed above, the Tier 1 VES process has been completed in accordance with ASTM E 2600-15, and a VEC was not identified for the Site.

8.4 CONCLUSIONS

Kleinfelder has performed a Phase I ESA in conformance with the scope and limitations of ASTM E 1527-13 of the property located east of Civic Center Drive, approximately 600 feet south of Roy Rogers Drive in the City of Victorville, San Bernardino County, California. Any exceptions to, or deviations from, this practice are described in Section 8.3 of this report. This assessment has revealed no evidence of RECs or CRECs in connection with the Site. Based on the results of this Phase I ESA, the risk of environmental impairment at the Site is low.

8.5 DATA GAPS

Data gaps, which may affect the identification of hazardous substances or petroleum products for the evaluation of RECs at the Site, include the following:

- A completed questionnaire from the seller/owner of the Site has not been received to date. However, the seller provided available documents associated with the Site, which were forwarded to Kleinfelder (see Section 4.9).

Based on the information obtained during this Phase I ESA, the absence of this questionnaire is not considered a significant data gap.

California Department of Water Resources (CDWR), 2004. California's Groundwater Bulletin 118, South Lahontan Hydrologic Region, Upper Mohave River Valley Groundwater Basin, February 27.

California Geological Survey (CGS), 2002. California Geomorphic Provinces, Note 36, December.

Environmental Data Resources Inc. (EDR), 2018a. EDR Environmental Lien and AUL Search, Proposed Automotive Dealership, Civic Drive/Roy Rogers Drive, Victorville, CA 92394, Inquiry Number: 5277637.87S May 7.

_____, 2018b. The EDR Radius Map™ Report with GeoCheck®, Proposed Automotive Dealership, Civic Drive/Roy Rogers Drive, Victorville, CA 92394, Inquiry Number: 5277637.2s, May 1.

_____, 2018c. Certified Sanborn® Map Report, Proposed Automotive Dealership, Civic Drive/Roy Rogers Drive, Victorville, CA 92394, Inquiry Number: 5277637.3, May 1.

_____, 2018d. The EDR Aerial Photo Decade Package, Proposed Automotive Dealership, Civic Drive/Roy Rogers Drive, Victorville, CA 92394, Inquiry Number: 5277637.12, May 2.

_____, 2018e. The EDR-City Directory Image Report, Proposed Automotive Dealership, Civic Drive/Roy Rogers Drive, Victorville, CA 92394, Inquiry Number: 5277637.5, May 3.

_____, 2018f. EDR Historical Topo Map Report with QuadMatch™, Proposed Automotive Dealership, Civic Drive/Roy Rogers Drive, Victorville, CA 92394, Inquiry Number: 5277637.4, May 1.

_____, 2018g. EDR Building Permit Report, Proposed Automotive Dealership, Civic Drive/Roy Rogers Drive, Victorville, CA 92394, Inquiry Number: 5277637.8, May 1.

Stratus Environmental, Inc., 2010. Atlantic Richfield Company, Quarterly Report, 4th Quarter 2009, ARCO Station No. 1891, January 15.

The Reynolds Group, 2018. Former 7th Street Dry Cleaners, Fourth Quarter 2017, Groundwater Monitoring Report, February 23.

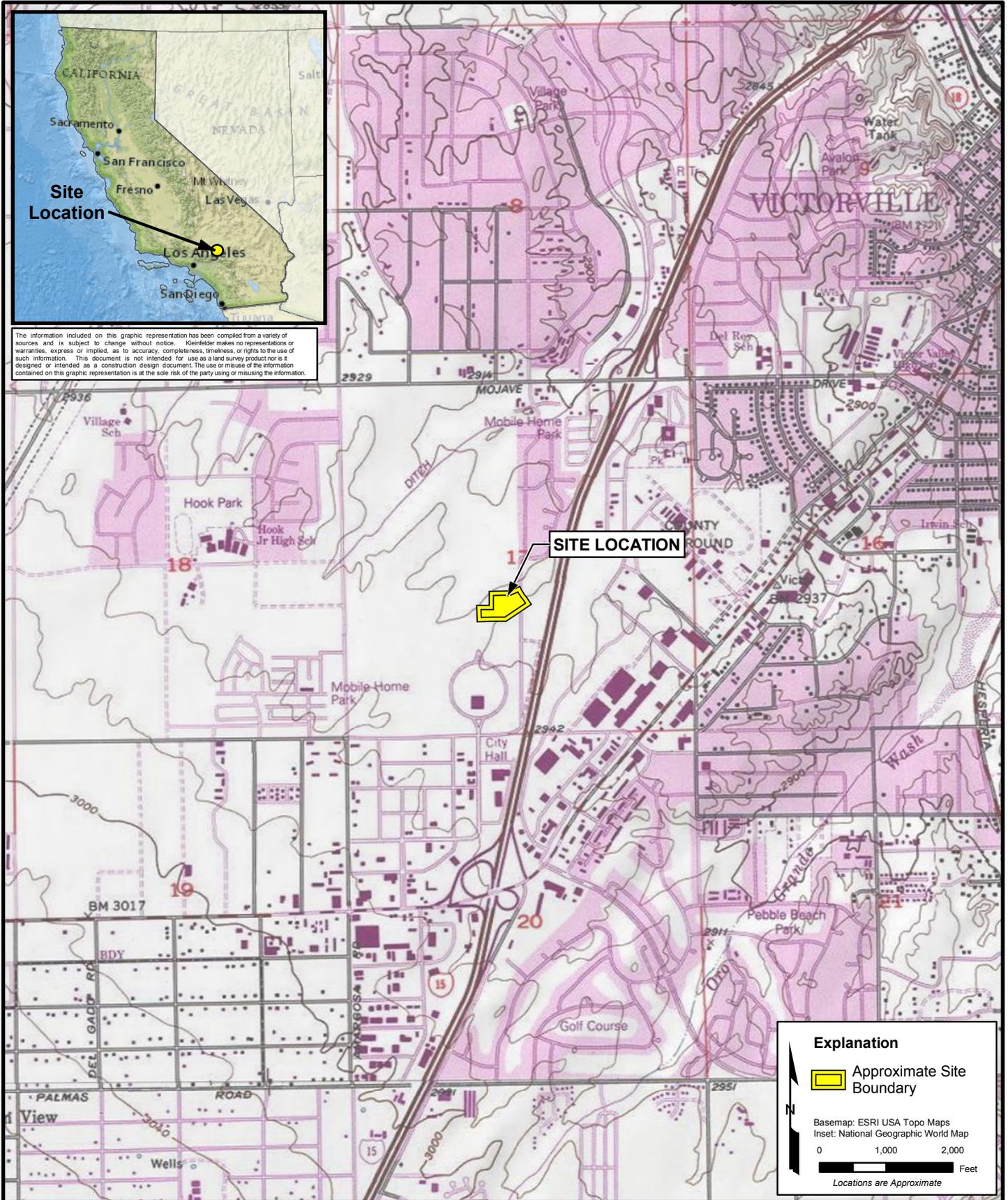
United States Geological Survey (USGS), 1993. 7.5-minute Topographic Map of the Victorville, California Quadrangle, scale 1:24,000.

Other references can be found within the report text.

FIGURES



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Explanation

- Approximate Site Boundary

Basemap: ESRI USA Topo Maps
 Inset: National Geographic World Map

0 1,000 2,000 Feet

Locations are Approximate



PROJECT:	20183689
DRAWN:	JUNE 2018
DRAWN BY:	KH / RA
CHECKED BY:	M. CARROLL
FILE NAME:	Figure1.mxd

SITE LOCATION MAP
PROPOSED AUTOMOTIVE DEALERSHIP APNS 3106-261-26, 3106-261-27, 3106-261-28 AND 3106-261-29 VICTORVILLE, CALIFORNIA

FIGURE
1



Explanation	
	Approximate Site Boundary
	Parcel Boundary

0 75 150 Feet
Locations are Approximate

Aerial: ESRI World Imagery DigitalGlobe 4/19/2016.

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DRAWN:	JUNE 2018
DRAWN BY:	KH / RA
CHECKED BY:	M. CARROLL
FILE NAME:	Figure2.mxd

SITE VICINITY MAP
PROPOSED AUTOMOTIVE DEALERSHIP APNS 3106-261-26, 3106-261-27, 3106-261-28 AND 3106-261-29 VICTORVILLE, CALIFORNIA

FIGURE	2
--------	----------



View on Site looking south.



View on Site looking north.

	PROJECT NO. 20183689	SITE PHOTOGRAPHS PROPOSED AUTOMOTIVE DEALERSHIP APNS 3106-261-26, 3106-261-27, 3106-261-28 AND 3106-261-29 VICTORVILLE, CALIFORNIA	FIGURE 3
	DRAWN BY: KFH CHECKED BY: MRC DATE: 05/2018 REVISED:		



View on Site looking east.



View on Site looking west.

	PROJECT NO. 20183689	SITE PHOTOGRAPHS PROPOSED AUTOMOTIVE DEALERSHIP APNS 3106-261-26, 3106-261-27, 3106-261-28 AND 3106-261-29 VICTORVILLE, CALIFORNIA	FIGURE 4
	DRAWN BY: KFH CHECKED BY: MRC DATE: 05/2018 REVISED:		



View off Site looking north.



View off Site looking south.

	PROJECT NO. 20183689	SITE PHOTOGRAPHS PROPOSED AUTOMOTIVE DEALERSHIP APNS 3106-261-26, 3106-261-27, 3106-261-28 AND 3106-261-29 VICTORVILLE, CALIFORNIA	FIGURE 5
	DRAWN BY: KFH CHECKED BY: MRC DATE: 05/2018 REVISED:		



View off Site looking east..



View off Site looking west.

	PROJECT NO. 20183689	SITE PHOTOGRAPHS PROPOSED AUTOMOTIVE DEALERSHIP APNS 3106-261-26, 3106-261-27, 3106-261-28 AND 3106-261-29 VICTORVILLE, CALIFORNIA	FIGURE 6
	DRAWN BY: KFH CHECKED BY: MRC DATE: 05/2018 REVISED:		



On Site, pile of soil and concrete rubble near the northwest corner of the Site.



On Site, decaying fiber roll and graded area.

	PROJECT NO. 20183689	SITE PHOTOGRAPHS PROPOSED AUTOMOTIVE DEALERSHIP APNS 3106-261-26, 3106-261-27, 3106-261-28 AND 3106-261-29 VICTORVILLE, CALIFORNIA	FIGURE 7
	DRAWN BY: KFH CHECKED BY: MRC DATE: 05/2018 REVISED:		



On Site, soil berm along future entrance to Site.



On Site, discarded items along the southern Site boundary.

	PROJECT NO. 20183689	SITE PHOTOGRAPHS PROPOSED AUTOMOTIVE DEALERSHIP APNS 3106-261-26, 3106-261-27, 3106-261-28 AND 3106-261-29 VICTORVILLE, CALIFORNIA	FIGURE 8
	DRAWN BY: KFH CHECKED BY: MRC DATE: 05/2018 REVISED:		

APPENDIX A
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 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 CFR Part 312.



Lindsey Dandridge-Perry
Environmental Professional



Karin Hagin
Environmental Professional



Margaret Carroll
Environmental Professional



Lizanne Simmons, PG
Senior Principal Geologist

The resumes of above-listed environmental professionals performing this Phase I ESA are on file at the Kleinfelder office and are available upon request.

APPENDIX B
REGULATORY AGENCY DATABASE REPORT

Proposed Automotive Dealership

Civic Drive / Roy Rogers Drive
Victorville, CA 92394

Inquiry Number: 5277637.2s
May 01, 2018

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 available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

CIVIC DRIVE / ROY ROGERS DRIVE
VICTORVILLE, CA 92394

COORDINATES

Latitude (North): 34.5195990 - 34° 31' 10.55"
Longitude (West): 117.3222350 - 117° 19' 20.04"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 470424.0
UTM Y (Meters): 3819621.5
Elevation: 2944 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5619088 VICTORVILLE, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140527
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 CIVIC DRIVE / ROY ROGERS DRIVE
 VICTORVILLE, CA 92394

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	VICTORVILLE COUNTY C	14855 CIVIC	LUST, HIST CORTESE	Higher	61, 0.012, WSW
A2	VALLEY HI HONDA	15710 VALLEY PARK LA	AST	Lower	234, 0.044, SE
A3	VALLEY HI HONDA	15710 VALLEY PARK LN	RCRA-SQG	Lower	234, 0.044, SE
A4	VALLEY HI HONDA	15710 VALLEY PARK LN	AST, San Bern. Co. Permit	Lower	234, 0.044, SE
5	MOBIL CHOICE INC	15669 ROY ROGERS DR	EDR Hist Auto	Lower	354, 0.067, WNW
B6	HOME DEPOT NO HD1844	15655 ROY ROGER DR	RCRA-SQG	Lower	430, 0.081, WSW
B7	THE HOME DEPOT STORE	15655 ROY ROGERS DR	San Bern. Co. Permit	Lower	430, 0.081, WSW
8	HI DESERT AUTO INC D	14673 CIVIC DR	HAZNET, San Bern. Co. Permit	Lower	558, 0.106, SSW
C9	VICTORVILLE NISSAN I	15722 VALLEY PARK LN	RCRA-SQG, HAZNET	Lower	601, 0.114, SSE
C10	VALLEY HI NISSAN	15722 VALLEY PARK LN	AST, San Bern. Co. Permit	Lower	601, 0.114, SSE
C11	VALLEY HI NISSAN	15722 VALLEY PARK LA	AST	Lower	601, 0.114, SSE
D12	ARCO 42615	15730 ROY ROGERS DRI	UST	Lower	704, 0.133, NNW
D13	ARCO 42615	15730 ROY ROGERS DR	San Bern. Co. Permit	Lower	704, 0.133, NNW
D14	ARCO FACILITY NO 063	15730 ROY ROGERS DR	RCRA-SQG, FINDS, ECHO	Lower	748, 0.142, NNW
E15	VICTORVILLE MOTORS	14617 CIVIC DR	AST	Higher	984, 0.186, South
E16	VICTORVILLE MOTORS I	14617 CIVIC DR	RCRA-SQG, HAZNET, San Bern. Co. Permit	Higher	984, 0.186, South
17	BUDGET CAR SALES WES	14850 LA PAZ PL	HAZNET, San Bern. Co. Permit	Lower	1160, 0.220, ENE
F18	VALLEY HI TOYOTA	14612 VALLEY CENTER	AST	Lower	1253, 0.237, SE
F19	VALLEY HI TOYOTA	14612 VALLEY CENTER	San Bern. Co. Permit	Lower	1253, 0.237, SE
G20	CHEVRON STATION# 207	14796 LA PAZ DR	San Bern. Co. Permit	Lower	1314, 0.249, East
G21	CHEVRON STATION# 207	14796 LA PAZ DR	RCRA-LQG, FINDS	Lower	1314, 0.249, East
G22	CHEVRON STATION# 207	14796 LA PAZ DR	UST	Lower	1314, 0.249, East
23	REPLANET LLC	14738 LA PAZ DR	SWRCY	Lower	1925, 0.365, East
24	SHELL VICTOR PLAZA	14526 SEVENTH ST	LUST, HIST CORTESE	Lower	2216, 0.420, ESE
25	USA GASOLINE STATION	14595 7TH	LUST, HIST CORTESE	Higher	2519, 0.477, ESE
26	FORMER 7TH STREET DR	14520 7TH STREET	SLIC	Higher	2591, 0.491, SE
27	BAR-S-LIQUOR	14480 OUTER 7TH	LUST, HIST CORTESE	Higher	2594, 0.491, SE
28	STATER BROS. MARKETS	15235 HOOK BLVD	SWRCY, San Bern. Co. Permit	Higher	2616, 0.495, WNW
29	VICTORVILLE COMMUNIT	CORTA DRIVE/CORTA PL	ENVIROSTOR, SCH	Lower	4454, 0.844, East

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 mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

EXECUTIVE SUMMARY

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Program Properties

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

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

HIST Cal-Sites..... Historical Calsites Database

SCH..... School Property Evaluation Program

CDL..... Clandestine Drug Labs

Toxic Pits..... Toxic Pits Cleanup Act Sites

US CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST..... SWEEPS UST Listing

EXECUTIVE SUMMARY

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

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
UXO..... Unexploded Ordnance Sites
DOCKET HWC..... Hazardous Waste Compliance Docket Listing

EXECUTIVE SUMMARY

ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EML.....	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
HWT.....	Registered Hazardous Waste Transporter Database
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
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR 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

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.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA-LQG 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>
CHEVRON STATION# 207	14796 LA PAZ DR	E 1/8 - 1/4 (0.249 mi.)	G21	35

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/11/2017 has revealed that there are 5 RCRA-SQG 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>
VICTORVILLE MOTORS I	14617 CIVIC DR	S 1/8 - 1/4 (0.186 mi.)	E16	27
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VALLEY HI HONDA	15710 VALLEY PARK LN	SE 0 - 1/8 (0.044 mi.)	A3	11
HOME DEPOT NO HD1844	15655 ROY ROGER DR	WSW 0 - 1/8 (0.081 mi.)	B6	14
VICTORVILLE NISSAN I	15722 VALLEY PARK LN	SSE 0 - 1/8 (0.114 mi.)	C9	18
ARCO FACILITY NO 063	15730 ROY ROGERS DR	NNW 1/8 - 1/4 (0.142 mi.)	D14	24

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.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2018 has revealed that there is

EXECUTIVE SUMMARY

1 ENVIROSTOR site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VICTORVILLE COMMUNIT Facility Id: 36000019 Status: No Action Required	CORTA DRIVE/CORTA PL	E 1/2 - 1 (0.844 mi.)	29	47

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.

A review of the LUST list, as provided by EDR, has revealed that there are 4 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>
VICTORVILLE COUNTY C Database: LUST REG 6V, Date of Government Version: 06/07/2005 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Status: Remediation Plan Global Id: T0607100934	14855 CIVIC	WSW 0 - 1/8 (0.012 mi.)	1	8
USA GASOLINE STATION Database: LUST REG 6V, Date of Government Version: 06/07/2005 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Status: Preliminary site assessment underway Global Id: T0607100920	14595 7TH	ESE 1/4 - 1/2 (0.477 mi.)	25	40
BAR-S-LIQUOR Database: LUST REG 6V, Date of Government Version: 06/07/2005 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Status: Preliminary site assessment workplan submitted Global Id: T0607100763	14480 OUTER 7TH	SE 1/4 - 1/2 (0.491 mi.)	27	43

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL VICTOR PLAZA Database: LUST REG 6V, Date of Government Version: 06/07/2005 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Status: Pollution Characterization Global Id: T0607100832	14526 SEVENTH ST	ESE 1/4 - 1/2 (0.420 mi.)	24	38

EXECUTIVE SUMMARY

SLIC: 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.

A review of the SLIC list, as provided by EDR, has revealed that there is 1 SLIC site 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>
FORMER 7TH STREET DR Database: SLIC, Date of Government Version: 03/12/2018 Facility Status: Open - Site Assessment Global Id: T10000007660	14520 7TH STREET	SE 1/4 - 1/2 (0.491 mi.)	26	43

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.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites 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>
ARCO 42615 Database: UST, Date of Government Version: 03/12/2018 Facility Id: FA0016346	15730 ROY ROGERS DRI	NNW 1/8 - 1/4 (0.133 mi.)	D12	23
CHEVRON STATION# 207 Database: UST, Date of Government Version: 03/12/2018 Facility Id: FA0016306	14796 LA PAZ DR	E 1/8 - 1/4 (0.249 mi.)	G22	37

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, and dated 07/06/2016 has revealed that there are 6 AST 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>
VICTORVILLE MOTORS	14617 CIVIC DR	S 1/8 - 1/4 (0.186 mi.)	E15	26
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VALLEY HI HONDA	15710 VALLEY PARK LA	SE 0 - 1/8 (0.044 mi.)	A2	10
VALLEY HI HONDA	15710 VALLEY PARK LN	SE 0 - 1/8 (0.044 mi.)	A4	12
VALLEY HI NISSAN	15722 VALLEY PARK LN	SSE 0 - 1/8 (0.114 mi.)	C10	21
VALLEY HI NISSAN	15722 VALLEY PARK LA	SSE 0 - 1/8 (0.114 mi.)	C11	22
VALLEY HI TOYOTA	14612 VALLEY CENTER	SE 1/8 - 1/4 (0.237 mi.)	F18	33

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 12/11/2017 has revealed that there are 2 SWRCY 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>
STATER BROS. MARKETS Cert Id: RC178503.001	15235 HOOK BLVD	WNW 1/4 - 1/2 (0.495 mi.)	28	46

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
REPLANET LLC Cert Id: RC156709.001	14738 LA PAZ DR	E 1/4 - 1/2 (0.365 mi.)	23	37

Other Ascertainable Records

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 [CALSTITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 4 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>
VICTORVILLE COUNTY C Reg Id: 6B3600927T	14855 CIVIC	WSW 0 - 1/8 (0.012 mi.)	1	8
USA GASOLINE STATION Reg Id: 6B3600878T	14595 7TH	ESE 1/4 - 1/2 (0.477 mi.)	25	40
BAR-S-LIQUOR Reg Id: 6B3600413T	14480 OUTER 7TH	SE 1/4 - 1/2 (0.491 mi.)	27	43

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL VICTOR PLAZA Reg Id: 6B3600561T	14526 SEVENTH ST	ESE 1/4 - 1/2 (0.420 mi.)	24	38

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 11/30/2017 has revealed that there are 9 San Bern. Co. Permit 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>
VICTORVILLE MOTORS I	14617 CIVIC DR	S 1/8 - 1/4 (0.186 mi.)	E16	27

EXECUTIVE SUMMARY

Facility Status: ACTIVE
Facility Id: FA0016404

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VALLEY HI HONDA Facility Status: ACTIVE Facility Id: FA0016355	15710 VALLEY PARK LN	SE 0 - 1/8 (0.044 mi.)	A4	12
THE HOME DEPOT STORE Facility Status: ACTIVE Facility Id: FA0016422	15655 ROY ROGERS DR	WSW 0 - 1/8 (0.081 mi.)	B7	15
HI DESERT AUTO INC D Facility Status: ACTIVE Facility Id: FA0016279	14673 CIVIC DR	SSW 0 - 1/8 (0.106 mi.)	8	16
VALLEY HI NISSAN Facility Status: ACTIVE Facility Id: FA0016470	15722 VALLEY PARK LN	SSE 0 - 1/8 (0.114 mi.)	C10	21
ARCO 42615 Facility Status: ACTIVE Facility Id: FA0016346	15730 ROY ROGERS DR	NNW 1/8 - 1/4 (0.133 mi.)	D13	23
BUDGET CAR SALES WES Facility Status: ACTIVE Facility Id: FA0016733	14850 LA PAZ PL	ENE 1/8 - 1/4 (0.220 mi.)	17	31
VALLEY HI TOYOTA Facility Status: ACTIVE Facility Id: FA0016268	14612 VALLEY CENTER	SE 1/8 - 1/4 (0.237 mi.)	F19	34
CHEVRON STATION# 207 Facility Status: ACTIVE Facility Id: FA0016306	14796 LA PAZ DR	E 1/8 - 1/4 (0.249 mi.)	G20	35

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOBIL CHOICE INC	15669 ROY ROGERS DR	WNW 0 - 1/8 (0.067 mi.)	5	14

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 5277637.2S



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

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

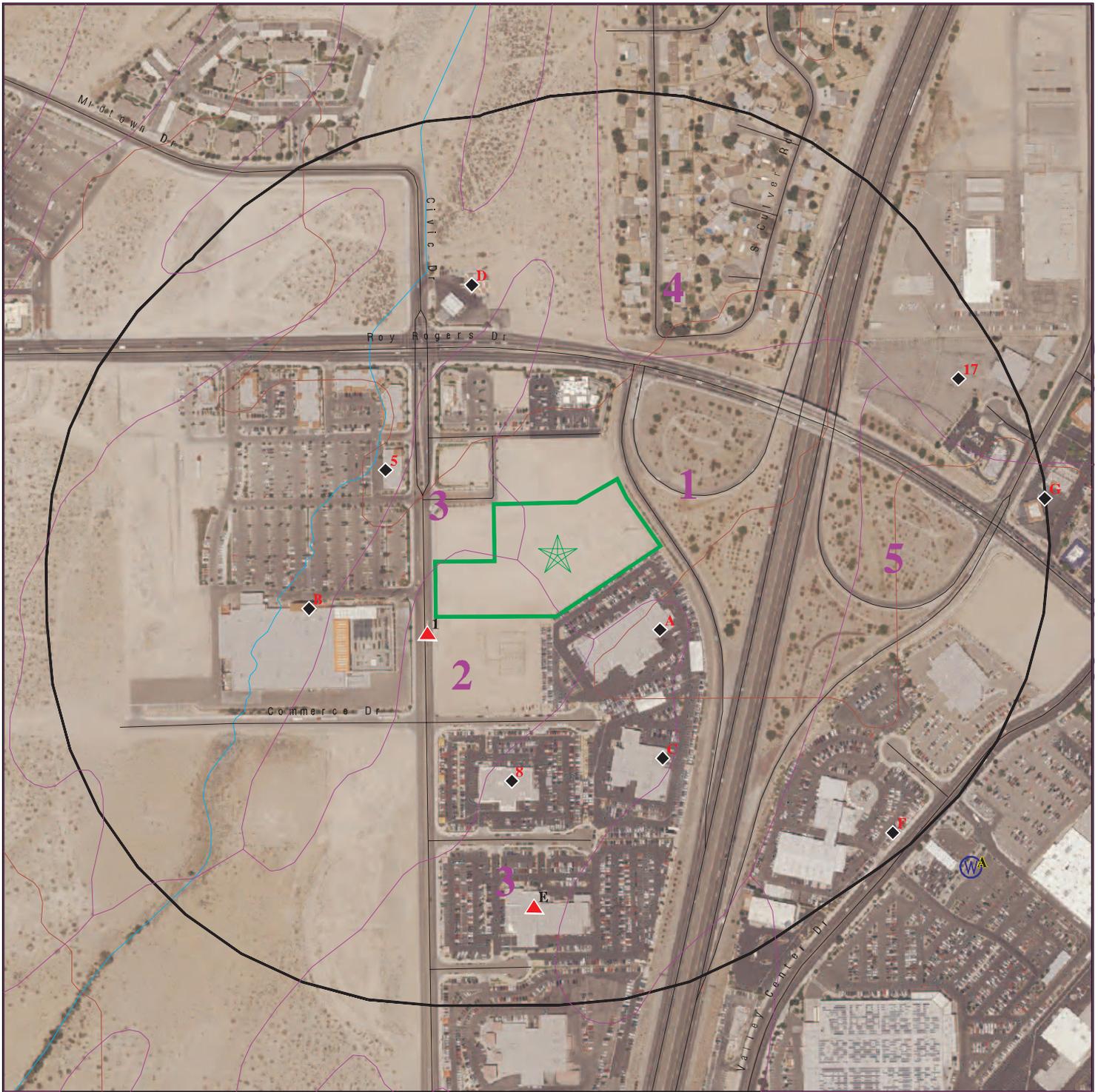
Areas of Concern

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: Proposed Automotive Dealership
 ADDRESS: Civic Drive / Roy Rogers Drive
 Victorville CA 92394
 LAT/LONG: 34.519599 / 117.322235

CLIENT: Kleinfelder, Inc.
 CONTACT: Margaret Carroll
 INQUIRY #: 5277637.2s
 DATE: May 01, 2018 12:31 pm

DETAIL MAP - 5277637.2S



-  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
-  100-year flood zone
-  500-year flood zone
-  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: Proposed Automotive Dealership
 ADDRESS: Civic Drive / Roy Rogers Drive
 Victorville CA 92394
 LAT/LONG: 34.519599 / 117.322235

CLIENT: Kleinfelder, Inc.
 CONTACT: Margaret Carroll
 INQUIRY #: 5277637.2s
 DATE: May 01, 2018 12:33 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	TP		NR	NR	NR	NR	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	1	NR	NR	NR	1
RCRA-SQG	0.250		3	2	NR	NR	NR	5
RCRA-CESQG	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 CONTROL	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		0	0	0	1	NR	1
<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		1	0	3	NR	NR	4

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	1	NR	NR	1
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	2	NR	NR	NR	2
AST	0.250		4	2	NR	NR	NR	6
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		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	2	NR	NR	2
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
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
US CDL	TP		NR	NR	NR	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
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
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

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
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		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	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
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	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	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
WSW
< 1/8
0.012 mi.
61 ft.

VICTORVILLE COUNTY COURT
14855 CIVIC
VICTORVILLE, CA 95392

LUST S103817842
HIST CORTESE N/A

Relative:
Higher
Actual:
2945 ft.

LUST:

Lead Agency: VICTORVILLE, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100934
Global Id: T0607100934
Latitude: 34.5188513
Longitude: -117.3237006
Status: Completed - Case Closed
Status Date: 09/22/2000
Case Worker: UNK
RB Case Number: 6B3600927T
Local Agency: VICTORVILLE, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0607100934
Contact Type: Regional Board Caseworker
Contact Name: OMAR PACHECO
Organization Name: LAHONTAN RWQCB (REGION 6V)
Address: 15095 Armagosa Road, Building 2, Suite 210
City: VICTORVILLE
Email: omar.pacheco@waterboards.ca.gov
Phone Number: 7602417377

Global Id: T0607100934
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: VICTORVILLE, CITY OF
Address: Not reported
City: r6v UNKNOWN
Email: Not reported
Phone Number: Not reported

LUST:

Global Id: T0607100934
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0607100934
Action Type: ENFORCEMENT
Date: 03/04/2003
Action: Technical Correspondence / Assistance / Other

Global Id: T0607100934
Action Type: Other
Date: 12/10/1998
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORVILLE COUNTY COURT (Continued)

S103817842

Global Id: T0607100934
Action Type: Other
Date: 12/10/1998
Action: Leak Stopped

Global Id: T0607100934
Action Type: Other
Date: 01/28/1999
Action: Leak Reported

LUST:

Global Id: T0607100934
Status: Open - Case Begin Date
Status Date: 12/10/1998

Global Id: T0607100934
Status: Open - Remediation
Status Date: 12/10/1998

Global Id: T0607100934
Status: Completed - Case Closed
Status Date: 09/22/2000

LUST Region 6V:

Region: 6V
Case Number: 6B3600927T
Leak Record: 3/1/1999
Report Date: 1/28/1999
Reported By Address: Not reported
Responsible Party: SAN BERNARDINO COUNTY
Operator: SAN BERNARDINO COUNTY
Cross Street: SENCA
Local Agency: 36072
Regional Board: 6V
Chemical: Diesel
Case Type: Soil only
Funding: Not reported
Enforce Type: TA-GEN
How Found: OM
How Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Global ID: T0607100934
Stop Date: 12/10/1998
Leak Confirm: Not reported
Submit Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: 12/10/1998
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discovered: 12/10/1998
Enforce Date: Not reported
Review Date: 3/1/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORVILLE COUNTY COURT (Continued)

S103817842

GW Qualifier: Not reported
Soil Qualifier: Not reported
MTBE class: D
Max MTBE Grnd Wtr: 0
Max MTBE Soil: Not reported
MTBE Counts: 1
MTBE Fuel: 0
MTBE Tested: YES
Organization Name: Not reported
Status: Remediation Plan
Contact: Not reported
Interim Action: Not reported
Pilot Program: LUST
Lat/Long: 34.4947946 / -117.3393884
Staff Initials: GDC
Local Agency Staff: UNK
Lead Agency: Local Agency
Summary: Not reported
Basin Number: UPPER MOJAVE RIVER V
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: Not reported
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported
Distance: 905.2753158
Wst Disch Reqrmt Global ID: Not reported
Wst Disch Reqrmt Name: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 6B3600927T

A2
SE
< 1/8
0.044 mi.
234 ft.

VALLEY HI HONDA
15710 VALLEY PARK LANE
VICTORVILLE, CA
Site 1 of 3 in cluster A

AST A100325341
N/A

Relative:
Lower
Actual:
2939 ft.

AST:
Certified Unified Program Agencies: Victorville
Owner: Not reported
Total Gallons: 1,500
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALLEY HI HONDA (Continued)

A100325341

Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

A3
SE
< 1/8
0.044 mi.
234 ft.

VALLEY HI HONDA
15710 VALLEY PARK LN
VICTORVILLE, CA 92394

RCRA-SQG 1010562048
CAR000186148

Site 2 of 3 in cluster A

Relative:
Lower

RCRA-SQG:

Actual:
2939 ft.

Date form received by agency: 07/26/2007
Facility name: VALLEY HI HONDA
Facility address: 15710 VALLEY PARK LN
VICTORVILLE, CA 92394
EPA ID: CAR000186148
Mailing address: PO BOX 1508
VICTORVILLE, CA 92393
Contact: TONY D HAYES
Contact address: PO BOX 1508
VICTORVILLE, CA 92393
Contact country: US
Contact telephone: 760-951-3980
Telephone ext.: 7615
Contact email: THAYES@VALLEYHI.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: KENT BROWNING
Owner/operator address: PO BOX 1508
VICTORVILLE, CA 92393
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/15/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALLEY HI HONDA (Continued)

1010562048

Owner/Op end date: Not reported

Owner/operator name: TONY HAYES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/15/2006
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

Violation Status: No violations found

A4
SE
< 1/8
0.044 mi.
234 ft.

VALLEY HI HONDA
15710 VALLEY PARK LN
VICTORVILLE, CA 92394
Site 3 of 3 in cluster A

AST S118406101
San Bern. Co. Permit N/A

Relative: AST:
Lower Certified Unified Program Agencies: Not reported
Owner: Kent Browning
Actual: Total Gallons: Not reported
2939 ft. CERSID: 10400017
Facility ID: FA0016355

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALLEY HI HONDA (Continued)

S118406101

Business Name: Valley Hi Honda
Phone: 760-241-1700
Fax: Not reported
Mailing Address: P.O. Box 1508
Mailing Address City: Victorville
Mailing Address State: CA
Mailing Address Zip Code: 92392
Operator Name: Chris Justice
Operator Phone: 760-951-3986
Owner Phone: 760-241-1700
Owner Mail Address: P.O. Box 1508
Owner State: CA
Owner Zip Code: 92392
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: CAL000205767

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0016355
Owner: Kent Browning
Permit Number: PT0035495
Permit Category: LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 04/30/2018

Region: SAN BERNARDINO
Facility ID: FA0016355
Owner: Kent Browning
Permit Number: PT0035494
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 04/30/2018

Region: SAN BERNARDINO
Facility ID: FA0016355
Owner: Kent Browning
Permit Number: PT0035493
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 04/30/2018

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

5
WNW
< 1/8
0.067 mi.
354 ft.

MOBIL CHOICE INC
15669 ROY ROGERS DR
VICTORVILLE, CA 92394

EDR Hist Auto **1021240194**
N/A

Relative:
Lower

EDR Hist Auto

Actual:
2939 ft.

Year: Name:
2011 MOBIL CHOICE INC

Type:
Gasoline Service Stations, NEC

B6
WSW
< 1/8
0.081 mi.
430 ft.

HOME DEPOT NO HD1844
15655 ROY ROGER DR
VICTORVILLE, CA 92394

RCRA-SQG **1010313570**
CAR000175174

Site 1 of 2 in cluster B

Relative:
Lower

RCRA-SQG:

Actual:
2943 ft.

Date form received by agency: 06/30/2006
Facility name: HOME DEPOT NO HD1844
Facility address: 15655 ROY ROGER DR
VICTORVILLE, CA 92394
EPA ID: CAR000175174
Mailing address: 1905 ASTON AVE
NO 100
CARLSBAD, CA 92008
Contact: ROBERT PERKINS
Contact address: 1905 ASTON AVE NO 100
CARLSBAD, CA 92008
Contact country: US
Contact telephone: 760-602-8700
Contact email: RPERKINS@3ECOMPANY.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: HOME DEPOT USA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/04/2006
Owner/Op end date: Not reported

Owner/operator name: HOME DEPOT USA INC
Owner/operator address: 2455 PACES FERRY RD
ATLANTA, GA 30339
Owner/operator country: US
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOME DEPOT NO HD1844 (Continued)

1010313570

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/04/2006
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Violation Status: No violations found

B7
WSW
< 1/8
0.081 mi.
430 ft.

THE HOME DEPOT STORE #1844
15655 ROY ROGERS DR
VICTORVILLE, CA 92394

San Bern. Co. Permit S118406132
N/A

Site 2 of 2 in cluster B

Relative:
Lower

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0016422
Owner: The Home Depot U.S.A., Inc.
Permit Number: PT0035408
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE

Actual:
2943 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT STORE #1844 (Continued)

S118406132

Expiration Date: 05/31/2018

Region: SAN BERNARDINO
Facility ID: FA0016422
Owner: The Home Depot U.S.A., Inc.
Permit Number: PT0035409
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2018

8
SSW
< 1/8
0.106 mi.
558 ft.

HI DESERT AUTO INC DBA VALLEY HI KIA
14673 CIVIC DR
VICTORVILLE, CA 92394

HAZNET **S118232060**
San Bern. Co. Permit **N/A**

Relative:
Lower
Actual:
2943 ft.

HAZNET:
envid: S118232060
Year: 2016
GEPaid: CAL000356978
Contact: EDWARD CHAVEZ
Telephone: 7609550046
Mailing Name: Not reported
Mailing Address: PO BOX 1508
Mailing City,St,Zip: VICTORVILLE, CA 923931508
Gen County: San Bernardino
TSD EPA ID: CAL000330453
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.475
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Bernardino

envid: S118232060
Year: 2016
GEPaid: CAL000356978
Contact: EDWARD CHAVEZ
Telephone: 7609550046
Mailing Name: Not reported
Mailing Address: PO BOX 1508
Mailing City,St,Zip: VICTORVILLE, CA 923931508
Gen County: San Bernardino
TSD EPA ID: AZD081705402
TSD County: 99
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.06255
Cat Decode: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Bernardino

envid: S118232060

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HI DESERT AUTO INC DBA VALLEY HI KIA (Continued)

S118232060

Year: 2015
GEPaid: CAL000356978
Contact: EDWARD CHAVEZ
Telephone: 7609550046
Mailing Name: Not reported
Mailing Address: PO BOX 1508
Mailing City,St,Zip: VICTORVILLE, CA 923931508
Gen County: San Bernardino
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1251
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Bernardino

envid: S118232060
Year: 2015
GEPaid: CAL000356978
Contact: EDWARD CHAVEZ
Telephone: 7609550046
Mailing Name: Not reported
Mailing Address: PO BOX 1508
Mailing City,St,Zip: VICTORVILLE, CA 923931508
Gen County: San Bernardino
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2375
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Bernardino

envid: S118232060
Year: 2015
GEPaid: CAL000356978
Contact: EDWARD CHAVEZ
Telephone: 7609550046
Mailing Name: Not reported
Mailing Address: PO BOX 1508
Mailing City,St,Zip: VICTORVILLE, CA 923931508
Gen County: San Bernardino
TSD EPA ID: AZD081705402
TSD County: 99
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.06255
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Bernardino

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HI DESERT AUTO INC DBA VALLEY HI KIA (Continued)

S118232060

[Click this hyperlink](#) while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0016279
Owner: Kent Browning
Permit Number: PT0035067
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 12/31/2017

Region: SAN BERNARDINO
Facility ID: FA0016279
Owner: Kent Browning
Permit Number: PT0035066
Permit Category: LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 12/31/2017

C9
SSE
< 1/8
0.114 mi.
601 ft.

VICTORVILLE NISSAN INC DBA VALLEY HI NIS
15722 VALLEY PARK LN
VICTORVILLE, CA 92392

RCRA-SQG 1010313756
HAZNET CAR000177600

Site 1 of 3 in cluster C

Relative:
Lower

RCRA-SQG:

Actual:
2943 ft.

Date form received by agency: 09/07/2006
Facility name: VICTORVILLE NISSAN INC DBA VALLEY HI NIS
Facility address: 15722 VALLEY PARK LN
VICTORVILLE, CA 92392
EPA ID: CAR000177600
Mailing address: PO BOX 1508
VICTORVILLE, CA 92395
Contact: RALPH BRONSON
Contact address: PO BOX 1508
VICTORVILLE, CA 92395
Contact country: US
Contact telephone: 760-241-1700
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BROWNING DESERT PROP III LLC
Owner/operator address: PO BOX 1508
VICTORVILLE, CA 92395
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORVILLE NISSAN INC DBA VALLEY HI NIS (Continued)

1010313756

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/01/2004
Owner/Op end date: Not reported

Owner/operator name: KENT BROWNING
Owner/operator address: Not reported
Not reported

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/01/2006
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

HAZNET:

envid: 1010313756
Year: 2016
GEPaid: CAR000177600
Contact: JOSHUA ATWOOD
Telephone: 7602411700
Mailing Name: Not reported
Mailing Address: PO BOX 1508
Mailing City,St,Zip: VICTORVILLE, CA 923950000
Gen County: San Bernardino
TSD EPA ID: CAL000330453
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Metals Recovery Including Retoring,Smelting,Chemicals,Ect

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORVILLE NISSAN INC DBA VALLEY HI NIS (Continued)

1010313756

Tons: 0.225
Cat Decode: Other organic solids
Method Decode: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Facility County: San Bernardino

envid: 1010313756
Year: 2016
GEPaid: CAR000177600
Contact: JOSHUA ATWOOD
Telephone: 7602411700
Mailing Name: Not reported
Mailing Address: PO BOX 1508
Mailing City,St,Zip: VICTORVILLE, CA 923950000
Gen County: San Bernardino
TSD EPA ID: CAL000330453
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.4625
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Bernardino

envid: 1010313756
Year: 2015
GEPaid: CAR000177600
Contact: JOSHUA ATWOOD
Telephone: 7602411700
Mailing Name: Not reported
Mailing Address: PO BOX 1508
Mailing City,St,Zip: VICTORVILLE, CA 923950000
Gen County: San Bernardino
TSD EPA ID: CAL000330453
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.15
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Bernardino

envid: 1010313756
Year: 2015
GEPaid: CAR000177600
Contact: JOSHUA ATWOOD
Telephone: 7602411700
Mailing Name: Not reported
Mailing Address: PO BOX 1508
Mailing City,St,Zip: VICTORVILLE, CA 923950000
Gen County: San Bernardino
TSD EPA ID: AZD081705402
TSD County: 99
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VICTORVILLE NISSAN INC DBA VALLEY HI NIS (Continued)

1010313756

(H010-H129) Or (H131-H135)
 Tons: 0.1155
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: San Bernardino

envid: 1010313756
 Year: 2015
 GEPAID: CAR000177600
 Contact: JOSHUA ATWOOD
 Telephone: 7602411700
 Mailing Name: Not reported
 Mailing Address: PO BOX 1508
 Mailing City,St,Zip: VICTORVILLE, CA 923950000
 Gen County: San Bernardino
 TSD EPA ID: AZD081705402
 TSD County: 99
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 0.1251
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: San Bernardino

[Click this hyperlink](#) while viewing on your computer to access
 10 additional CA_HAZNET: record(s) in the EDR Site Report.

C10
SSE
 < 1/8
 0.114 mi.
 601 ft.

VALLEY HI NISSAN
15722 VALLEY PARK LN
VICTORVILLE, CA 92394
Site 2 of 3 in cluster C

AST S118406159
San Bern. Co. Permit N/A

Relative:
Lower
Actual:
2943 ft.

AST:
 Certified Unified Program Agencies: Not reported
 Owner: Kent Browning
 Total Gallons: Not reported
 CERSID: 10400038
 Facility ID: FA0016470
 Business Name: Valley Hi Nissan
 Phone: 760-241-1700
 Fax: Not reported
 Mailing Address: P.O. Box 1508
 Mailing Address City: Victorville
 Mailing Address State: CA
 Mailing Address Zip Code: 92392
 Operator Name: Mike Reinhardt
 Operator Phone: 760-241-1700
 Owner Phone: 760-241-1700
 Owner Mail Address: P.O. Box 1508
 Owner State: CA
 Owner Zip Code: 92392
 Owner Country: United States
 Property Owner Name: Not reported
 Property Owner Phone: Not reported
 Property Owner Mailing Address: Not reported
 Property Owner City: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALLEY HI NISSAN (Continued)

S118406159

Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: CAL000205767

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0016470
Owner: Kent Browning
Permit Number: PT0035576
Permit Category: LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 01/31/2018

Region: SAN BERNARDINO
Facility ID: FA0016470
Owner: Kent Browning
Permit Number: PT0035575
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 01/31/2018

Region: SAN BERNARDINO
Facility ID: FA0016470
Owner: Kent Browning
Permit Number: PT0035577
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 01/31/2018

C11
SSE
< 1/8
0.114 mi.
601 ft.

VALLEY HI NISSAN
15722 VALLEY PARK LANE
VICTORVILLE, CA
Site 3 of 3 in cluster C

AST A100337487
N/A

Relative:
Lower

AST:
Certified Unified Program Agencies: Victorville
Owner: Not reported
Total Gallons: 1,500
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported

Actual:
2943 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALLEY HI NISSAN (Continued)

A100337487

Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

**D12
NNW
1/8-1/4
0.133 mi.
704 ft.**

**ARCO 42615
15730 ROY ROGERS DRIVE
VICTORVILLE, CA 92394**

**UST U004264219
N/A**

Site 1 of 3 in cluster D

**Relative:
Lower
Actual:
2936 ft.**

UST:
Facility ID: FA0016346
Permitting Agency: San Bernardino County Fire Department
Latitude: 34.52197
Longitude: -117.32331

Facility ID: FA0016346
Permitting Agency: San Bernardino County Fire Department
Latitude: 34.52197
Longitude: -117.32331

**D13
NNW
1/8-1/4
0.133 mi.
704 ft.**

**ARCO 42615
15730 ROY ROGERS DR
VICTORVILLE, CA 92394**

**San Bern. Co. Permit S118406098
N/A**

Site 2 of 3 in cluster D

**Relative:
Lower
Actual:
2936 ft.**

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0016346
Owner: TESORO REFINING & MARKETING COMPANY LLC
Permit Number: PT0035104
Permit Category: HAZMAT HANDLER - UST ONLY
Facility Status: ACTIVE
Expiration Date: 12/31/2017

Region: SAN BERNARDINO
Facility ID: FA0016346
Owner: TESORO REFINING & MARKETING COMPANY LLC
Permit Number: PT0035103
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY
Facility Status: ACTIVE
Expiration Date: 12/31/2017

Region: SAN BERNARDINO
Facility ID: FA0016346
Owner: TESORO REFINING & MARKETING COMPANY LLC
Permit Number: PT0035105
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 12/31/2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO 42615 (Continued)

S118406098

Region: SAN BERNARDINO
Facility ID: FA0016346
Owner: TESORO REFINING & MARKETING COMPANY LLC
Permit Number: PT0035106
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 12/31/2017

Region: SAN BERNARDINO
Facility ID: FA0016346
Owner: TESORO REFINING & MARKETING COMPANY LLC
Permit Number: PT0035107
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 12/31/2017

D14
NNW
1/8-1/4
0.142 mi.
748 ft.

ARCO FACILITY NO 06341
15730 ROY ROGERS DR
VICTORVILLE, CA 92394
Site 3 of 3 in cluster D

RCRA-SQG 1004678004
FINDS CAR000103887
ECHO

Relative:
Lower
Actual:
2936 ft.

RCRA-SQG:
Date form received by agency: 06/21/2002
Facility name: ARCO FACILITY NO 06341
Facility address: 15730 ROY ROGERS DR
VICTORVILLE, CA 92392
EPA ID: CAR000103887
Mailing address: P O BOX 6038
ARTESIA, CA 90702-6038
Contact: JACK OMAN
Contact address: P O BOX 6038
ARTESIA, CA 90702-6038
Contact country: US
Contact telephone: 714-690-2425
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: B P WEST COAST PRODUCTS LLC
Owner/operator address: P O BOX 6038
ARTESIA, CA 90702
Owner/operator country: Not reported
Owner/operator telephone: 714-690-2425
Owner/operator email: Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO FACILITY NO 06341 (Continued)

1004678004

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110055863454

Environmental Interest/Information System
STATE MASTER

Registry ID: 110012191234

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004678004
Registry ID: 110012191234

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO FACILITY NO 06341 (Continued)

1004678004

DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110012191234>

E15
South
1/8-1/4
0.186 mi.
984 ft.

VICTORVILLE MOTORS
14617 CIVIC DR
VICTORVILLE, CA 92394

AST A100337200
N/A

Site 1 of 2 in cluster E

Relative:
Higher
Actual:
2946 ft.

AST:
Certified Unified Program Agencies: Not reported
Owner: Victorville Motors Inc.
Total Gallons: Not reported
CERSID: 10197592
Facility ID: FA0016404
Business Name: Victorville Motors
Phone: 760-245-7991
Fax: Not reported
Mailing Address: 14617 Civic Dr
Mailing Address City: Victorville
Mailing Address State: CA
Mailing Address Zip Code: 92394
Operator Name: Tim Watts
Operator Phone: 760-245-7991
Owner Phone: 760-245-7991
Owner Mail Address: 14617 Civic Dr
Owner State: CA
Owner Zip Code: 92394
Owner Country: United States
Property Owner Name: Victorville Motors Inc.
Property Owner Phone: 760-245-7991
Property Owner Mailing Address: 14617 Civic Dr
Property Owner City: Victorville
Property Owner Stat : CA
Property Owner Zip Code: 92394
Property Owner Country: United States
EPAID: CAL000292644

Certified Unified Program Agencies: Victorville
Owner: Not reported
Total Gallons: 2,000
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORVILLE MOTORS (Continued)

A100337200

Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

E16
South
1/8-1/4
0.186 mi.
984 ft.

VICTORVILLE MOTORS INC
14617 CIVIC DR
VICTORVILLE, CA 92394

RCRA-SQG 1009216598
HAZNET CAR000169987
San Bern. Co. Permit

Site 2 of 2 in cluster E

Relative:
Higher
Actual:
2946 ft.

RCRA-SQG:
Date form received by agency: 03/22/2006
Facility name: VICTORVILLE MOTORS INC
Facility address: 14617 CIVIC DR
VICTORVILLE, CA 92394
EPA ID: CAR000169987
Contact: MARSHALL MEYER
Contact address: 14617 CIVIC DR
VICTORVILLE, CA 92394
Contact country: US
Contact telephone: 760-245-7991
Telephone ext.: 400
Contact email: MARSHALL@VVMOTORS.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CHET WATTS
Owner/operator address: 14617 CIVIC DR
VICTORVILLE, CA 92394
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/21/2005
Owner/Op end date: Not reported

Owner/operator name: CHET WATTS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORVILLE MOTORS INC (Continued)

1009216598

Owner/Operator Type: Operator
Owner/Op start date: 03/21/2005
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

Historical Generators:

Date form received by agency: 01/04/2006
Site name: VICTORVILLE MOTORS INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

HAZNET:

envid: 1009216598
Year: 2016
GEPaid: CAR000169987
Contact: KELLI LYNN DAY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORVILLE MOTORS INC (Continued)

1009216598

Telephone: 7602457991
Mailing Name: Not reported
Mailing Address: 14617 CIVIC DR
Mailing City,St,Zip: VICTORVILLE, CA 923940844
Gen County: San Bernardino
TSD EPA ID: AZD081705402
TSD County: 99
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.9465
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Bernardino

envid: 1009216598
Year: 2016
GEPaid: CAR000169987
Contact: KELLI LYNN DAY
Telephone: 7602457991
Mailing Name: Not reported
Mailing Address: 14617 CIVIC DR
Mailing City,St,Zip: VICTORVILLE, CA 923940844
Gen County: San Bernardino
TSD EPA ID: AZD081705402
TSD County: 99
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.06255
Cat Decode: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Bernardino

envid: 1009216598
Year: 2016
GEPaid: CAR000169987
Contact: KELLI LYNN DAY
Telephone: 7602457991
Mailing Name: Not reported
Mailing Address: 14617 CIVIC DR
Mailing City,St,Zip: VICTORVILLE, CA 923940844
Gen County: San Bernardino
TSD EPA ID: CAL000330453
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.425
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Bernardino

envid: 1009216598

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORVILLE MOTORS INC (Continued)

1009216598

Year: 2015
GEPaid: CAR000169987
Contact: KELLI LYNN DAY
Telephone: 7602457991
Mailing Name: Not reported
Mailing Address: 14617 CIVIC DR
Mailing City,St,Zip: VICTORVILLE, CA 923940000
Gen County: San Bernardino
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.415
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Bernardino

envid: 1009216598
Year: 2015
GEPaid: CAR000169987
Contact: KELLI LYNN DAY
Telephone: 7602457991
Mailing Name: Not reported
Mailing Address: 14617 CIVIC DR
Mailing City,St,Zip: VICTORVILLE, CA 923940000
Gen County: San Bernardino
TSD EPA ID: AZD081705402
TSD County: 99
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Bernardino

[Click this hyperlink](#) while viewing on your computer to access 33 additional CA_HAZNET: record(s) in the EDR Site Report.

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0016404
Owner: Victorville Motors Inc.
Permit Number: PT0035332
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 05/31/2018

Region: SAN BERNARDINO
Facility ID: FA0016404
Owner: Victorville Motors Inc.
Permit Number: PT0035333
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORVILLE MOTORS INC (Continued)

1009216598

Region: SAN BERNARDINO
Facility ID: FA0016404
Owner: Victorville Motors Inc.
Permit Number: PT0035334
Permit Category: LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2018

17
ENE
1/8-1/4
0.220 mi.
1160 ft.

BUDGET CAR SALES WEST LLC
14850 LA PAZ PL
VICTORVILLE, CA 92392

HAZNET S113097117
San Bern. Co. Permit N/A

Relative:
Lower
Actual:
2936 ft.

HAZNET:
envid: S113097117
Year: 2016
GEPaid: CAL000401334
Contact: KELLI DAY
Telephone: 7609621602
Mailing Name: Not reported
Mailing Address: 14617 CIVIC DR
Mailing City,St,Zip: VICTORVILLE, CA 92394
Gen County: San Bernardino
TSD EPA ID: AZD081705402
TSD County: 99
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Bernardino

envid: S113097117
Year: 2016
GEPaid: CAL000401334
Contact: KELLI DAY
Telephone: 7609621602
Mailing Name: Not reported
Mailing Address: 14617 CIVIC DR
Mailing City,St,Zip: VICTORVILLE, CA 92394
Gen County: San Bernardino
TSD EPA ID: CAL000330453
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.17
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Bernardino

envid: S113097117
Year: 2004
GEPaid: CAL000183082

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUDGET CAR SALES WEST LLC (Continued)

S113097117

Contact: PAMELA TORRES - SVC MGR
Telephone: 7609552430
Mailing Name: Not reported
Mailing Address: 14850 LA PAZ PL
Mailing City,St,Zip: VICTORVILLE, CA 923920000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Tons: 4.37
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Bernardino

envid: S113097117
Year: 2003
GEPaid: CAL000183082
Contact: PAMELA TORRES - SVC MGR
Telephone: 7609552430
Mailing Name: Not reported
Mailing Address: 14850 LA PAZ PL
Mailing City,St,Zip: VICTORVILLE, CA 923920000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Tons: 4.17
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Bernardino

envid: S113097117
Year: 2002
GEPaid: CAL000183082
Contact: PAMELA TORRES - SVC MGR
Telephone: 7609552430
Mailing Name: Not reported
Mailing Address: 14850 LA PAZ PL
Mailing City,St,Zip: VICTORVILLE, CA 923920000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Tons: 6.17
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Bernardino

[Click this hyperlink](#) while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0016733

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUDGET CAR SALES WEST LLC (Continued)

S113097117

Owner: Tim Watts
Permit Number: PT0035920
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2018

Region: SAN BERNARDINO
Facility ID: FA0016733
Owner: Tim Watts
Permit Number: PT0035921
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2018

**F18
SE
1/8-1/4
0.237 mi.
1253 ft.**

**VALLEY HI TOYOTA
14612 VALLEY CENTER DR
VICTORVILLE, CA 92395**

**AST A100211471
N/A**

Site 1 of 2 in cluster F

**Relative:
Lower
Actual:
2943 ft.**

AST:
Certified Unified Program Agencies: Not reported
Owner: Kent Browning
Total Gallons: Not reported
CERSID: 10400104
Facility ID: FA0016268
Business Name: Valley Hi Toyota
Phone: 760-241-6484
Fax: 760-951-4585
Mailing Address: P.O. Box 1508
Mailing Address City: Victorville
Mailing Address State: CA
Mailing Address Zip Code: 92392
Operator Name: Todd Stokes
Operator Phone: 760-241-6484
Owner Phone: 760-241-6484
Owner Mail Address: P.O. Box 1508
Owner State: CA
Owner Zip Code: 92392
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: CAL000205767

Certified Unified Program Agencies: Victorville
Owner: Not reported
Total Gallons: 1,500
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALLEY HI TOYOTA (Continued)

A100211471

Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

F19
SE
1/8-1/4
0.237 mi.
1253 ft.

VALLEY HI TOYOTA
14612 VALLEY CENTER DR
VICTORVILLE, CA 92395

San Bern. Co. Permit S118406056
N/A

Site 2 of 2 in cluster F

Relative:
Lower
Actual:
2943 ft.

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0016268
Owner: Kent Browning
Permit Number: PT0035076
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 12/31/2017

Region: SAN BERNARDINO
Facility ID: FA0016268
Owner: Kent Browning
Permit Number: PT0035075
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 12/31/2017

Region: SAN BERNARDINO
Facility ID: FA0016268
Owner: Kent Browning
Permit Number: PT0035074
Permit Category: LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 12/31/2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G20
East
1/8-1/4
0.249 mi.
1314 ft.

CHEVRON STATION# 207506/2015
14796 LA PAZ DR
VICTORVILLE, CA 92395

San Bern. Co. Permit

S118406077
N/A

Site 1 of 3 in cluster G

Relative:
Lower

San Bern. Co. Permit:

Actual:
2943 ft.

Region: SAN BERNARDINO
Facility ID: FA0016306
Owner: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON USA INC.)
Permit Number: PT0035232
Permit Category: HAZMAT HANDLER - UST ONLY
Facility Status: ACTIVE
Expiration Date: 10/31/2018

Region: SAN BERNARDINO
Facility ID: FA0016306
Owner: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON USA INC.)
Permit Number: PT0035233
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY
Facility Status: ACTIVE
Expiration Date: 10/31/2018

Region: SAN BERNARDINO
Facility ID: FA0016306
Owner: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON USA INC.)
Permit Number: PT0035244
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 10/31/2018

Region: SAN BERNARDINO
Facility ID: FA0016306
Owner: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON USA INC.)
Permit Number: PT0035245
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 10/31/2018

Region: SAN BERNARDINO
Facility ID: FA0016306
Owner: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON USA INC.)
Permit Number: PT0035247
Permit Category: UST OWNERSHIP/OPERATING PERMIT COMPLEX
Facility Status: ACTIVE
Expiration Date: 10/31/2018

G21
East
1/8-1/4
0.249 mi.
1314 ft.

CHEVRON STATION# 207506/2015
14796 LA PAZ DR
VICTORVILLE, CA 92395

RCRA-LQG
FINDS

1014387928
CAR000215699

Site 2 of 3 in cluster G

Relative:
Lower

RCRA-LQG:

Actual:
2943 ft.

Date form received by agency: 12/15/2010
Facility name: CHEVRON 207506
Facility address: 14796 LA PAZ RD
VICTORVILLE, CA 92395
EPA ID: CAR000215699
Mailing address: PO BOX 6004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 207506/2015 (Continued)

1014387928

Contact: SAN RAMON, CA 94583
Contact address: JOCKO RODRIGUEZ
PO BOX 6004
SAN RAMON, CA 94583
Contact country: US
Contact telephone: 877-386-6044
Contact email: NAWTDESK@CHEVRON.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: BYNCO LLC
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583
Owner/operator country: US
Owner/operator telephone: 877-386-6044
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/01/2000
Owner/Op end date: Not reported

Owner/operator name: JOCKO RODRIGUEZ
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/01/2000
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

CHEVRON STATION# 207506/2015 (Continued)

1014387928

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110055834398

Environmental Interest/Information System
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G22
East
1/8-1/4
0.249 mi.
1314 ft.

CHEVRON STATION# 207506/2015
14796 LA PAZ DR
VICTORVILLE, CA 92395

UST U004264212
N/A

Site 3 of 3 in cluster G

Relative:
Lower
Actual:
2943 ft.

UST:
Facility ID: FA0016306
Permitting Agency: San Bernardino County Fire Department
Latitude: 34.52011
Longitude: -117.31674

23
East
1/4-1/2
0.365 mi.
1925 ft.

REPLANET LLC
14738 LA PAZ DR
VICTORVILLE, CA 92392

SWRCY S109692468
N/A

Relative:
Lower
Actual:
2943 ft.

SWRCY:
Reg Id: 156709
Cert Id: RC156709.001
Mailing Address: 800 N Haven Ave Suite 120
Mailing City: Ontario
Mailing State: CA
Mailing Zip Code: 91764
Website: <http://www.replanet.com>
Email: Not reported
Phone Number: (951) 520-1700

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REPLANET LLC (Continued)

S109692468

Grand Father: N
Rural: N
Operation Begin Date: 05/01/2012
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Agency: N/A
Monday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Tuesday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Wednesday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Thursday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Friday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Saturday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Sunday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Organization ID: 151891
Organization Name: rePlanet LLC

24
ESE
1/4-1/2
0.420 mi.
2216 ft.

SHELL VICTOR PLAZA
14526 SEVENTH ST
VICTORVILLE, CA 92392

LUST **S102425580**
HIST CORTESE **N/A**

Relative:
Lower
Actual:
2943 ft.

LUST:
Lead Agency: LAHONTAN RWQCB (REGION 6T)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100832
Global Id: T0607100832
Latitude: 34.5145454
Longitude: -117.3150543
Status: Completed - Case Closed
Status Date: 03/18/2009
Case Worker: Not reported
RB Case Number: 6B3600561T
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607100832
Action Type: ENFORCEMENT
Date: 02/18/2003
Action: Technical Correspondence / Assistance / Other

Global Id: T0607100832
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0607100832
Action Type: Other
Date: 03/03/1994
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL VICTOR PLAZA (Continued)

S102425580

Global Id: T0607100832
Action Type: ENFORCEMENT
Date: 06/24/1994
Action: Closure/No Further Action Letter

Global Id: T0607100832
Action Type: ENFORCEMENT
Date: 03/13/2009
Action: Staff Letter

LUST:

Global Id: T0607100832
Status: Open - Case Begin Date
Status Date: 03/03/1994

Global Id: T0607100832
Status: Open - Site Assessment
Status Date: 05/15/1999

Global Id: T0607100832
Status: Completed - Case Closed
Status Date: 03/18/2009

LUST Region 6V:

Region: 6V
Case Number: 6B3600561T
Leak Record: 3/14/1994
Report Date: 3/3/1994
Reported By Address: Not reported
Responsible Party: TOM BOWEN
Operator: TOM BOWEN
Cross Street: Not reported
Local Agency: 36000L
Regional Board: 6V
Chemical: Gasoline
Case Type: Drinking Water Aquifer affected
Funding: S
Enforce Type: TA-GEN
How Found: Not reported
How Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Global ID: T0607100832
Stop Date: Not reported
Leak Confirm: Not reported
Submit Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 5/15/1999
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discovered: Not reported
Enforce Date: 1/1/1965
Review Date: 2/7/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL VICTOR PLAZA (Continued)

S102425580

GW Qualifier: Not reported
Soil Qualifier: Not reported
MTBE class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
MTBE Counts: 0
MTBE Fuel: 1
MTBE Tested: NT
Organization Name: Not reported
Status: Pollution Characterization
Contact: Not reported
Interim Action: Not reported
Pilot Program: LUST
Lat/Long: 34.5132922 / -117.3143151
Staff Initials: DEF
Local Agency Staff: UNK
Lead Agency: Regional Board
Summary: 3/3/94 RB STAFF SENT LTR INDIC ARCO DATA INDIC THERE MAY BE RELEASE AT SITE.5/3/94 WE RCVD INFO THAT TANKS TESTED TIGHT.6/26/96 REQUEST FOR SI REPORTS.THERE APPEARS TO HAVE BEEN NO RELEASE AT THE SITE ACCORDING TO DATA. PROD
Basin Number: UPPER MOJAVE RIVER V
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: Not reported
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported
Distance: 1344.752861
Wst Disch Reqrmt Global ID: Not reported
Wst Disch Reqrmt Name: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 6B3600561T

25
ESE
1/4-1/2
0.477 mi.
2519 ft.

USA GASOLINE STATION #237
14595 7TH
VICTORVILLE, CA 92392

LUST S103300679
HIST CORTESE N/A

**Relative:
Higher
Actual:
2946 ft.**

LUST:
Lead Agency: VICTORVILLE, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100920
Global Id: T0607100920
Latitude: 34.516078
Longitude: -117.313037
Status: Completed - Case Closed
Status Date: 12/20/2006
Case Worker: GC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA GASOLINE STATION #237 (Continued)

S103300679

RB Case Number: 6B3600878T
Local Agency: VICTORVILLE, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0607100920
Contact Type: Local Agency Caseworker
Contact Name: GREG COON
Organization Name: VICTORVILLE, CITY OF
Address: PO BOX 5001
City: VICTORVILLE
Email: gcoon@ci.victorville.ca.us
Phone Number: 7609555227

LUST:

Global Id: T0607100920
Action Type: Other
Date: 02/23/1998
Action: Leak Discovery

Global Id: T0607100920
Action Type: Other
Date: 02/23/1998
Action: Leak Stopped

Global Id: T0607100920
Action Type: Other
Date: 03/02/1998
Action: Leak Reported

Global Id: T0607100920
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

LUST:

Global Id: T0607100920
Status: Open - Case Begin Date
Status Date: 02/23/1998

Global Id: T0607100920
Status: Open - Site Assessment
Status Date: 02/23/1998

Global Id: T0607100920
Status: Completed - Case Closed
Status Date: 12/20/2006

LUST Region 6V:

Region: 6V
Case Number: 6B3600878T

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA GASOLINE STATION #237 (Continued)

S103300679

Leak Record: 7/30/1998
Report Date: 3/2/1998
Reported By Address: Not reported
Responsible Party: USA GASOLINE CORP
Operator: FARE DABABREH
Cross Street: Not reported
Local Agency: 36000L
Regional Board: 6V
Chemical: Unleaded Gasoline
Case Type: Undefined
Funding: Not reported
Enforce Type: SEL
How Found: Subsurface Monitoring
How Stopped: Not reported
Cause of Leak: Corrosion
Leak Source: Tank
Global ID: T0607100920
Stop Date: 2/23/1998
Leak Confirm: Not reported
Submit Workplan: Not reported
Prelim Assess: 2/23/1998
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discovered: 2/23/1998
Enforce Date: Not reported
Review Date: 7/30/1998
GW Qualifier: Not reported
Soil Qualifier: Not reported
MTBE class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
MTBE Counts: 0
MTBE Fuel: 1
MTBE Tested: NT
Organization Name: Not reported
Status: Preliminary site assessment underway
Contact: Not reported
Interim Action: Not reported
Pilot Program: LUST
Lat/Long: 34.5150891 / -117.3142621
Staff Initials: GDC
Local Agency Staff: UNK
Lead Agency: Local Agency
Summary: Not reported
Basin Number: UPPER MOJAVE RIVER V
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: Not reported
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA GASOLINE STATION #237 (Continued)

S103300679

Distance: 1654.26885
Wst Disch Reqrmnt Global ID: Not reported
Wst Disch Reqrmnt Name: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 6B3600878T

26
SE
1/4-1/2
0.491 mi.
2591 ft.

FORMER 7TH STREET DRY CLEANER, CADENCE CAPITAL INV
14520 7TH STREET
VICTORVILLE, CA 92395

SLIC S118172387
N/A

Relative:
Higher
Actual:
2949 ft.

SLIC:

Region: STATE
Facility Status: Open - Site Assessment
Status Date: 09/16/2015
Global Id: T10000007660
Lead Agency: LAHONTAN RWQCB (REGION 6V)
Lead Agency Case Number: Not reported
Latitude: 34.5147640835221
Longitude: -117.316524165849
Case Type: Cleanup Program Site
Case Worker: AP
Local Agency: Not reported
RB Case Number: T10000007660
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE), Benzene
Site History: The site is a former dry cleaner located in a "strip" mall located along 7th Street in Victorville. Dry cleaner operations date back to at least 1967. Dry cleaner equipment was removed in 1991.

Click here to access the California GeoTracker records for this facility:

27
SE
1/4-1/2
0.491 mi.
2594 ft.

BAR-S-LIQUOR
14480 OUTER 7TH
VICTORVILLE, CA 92392

LUST S102424938
HIST CORTESE N/A

Relative:
Higher
Actual:
2948 ft.

LUST:

Lead Agency: VICTORVILLE, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100763
Global Id: T0607100763
Latitude: 34.5109952
Longitude: -117.3212592
Status: Completed - Case Closed
Status Date: 12/20/2006
Case Worker: GC
RB Case Number: 6B3600413T

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAR-S-LIQUOR (Continued)

S102424938

Local Agency: VICTORVILLE, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0607100763
Contact Type: Local Agency Caseworker
Contact Name: GREG COON
Organization Name: VICTORVILLE, CITY OF
Address: PO BOX 5001
City: VICTORVILLE
Email: gcoon@ci.victorville.ca.us
Phone Number: 7609555227

LUST:

Global Id: T0607100763
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0607100763
Action Type: Other
Date: 03/27/1992
Action: Leak Reported

LUST:

Global Id: T0607100763
Status: Open - Case Begin Date
Status Date: 03/27/1992

Global Id: T0607100763
Status: Open - Site Assessment
Status Date: 03/27/1992

Global Id: T0607100763
Status: Completed - Case Closed
Status Date: 12/20/2006

LUST Region 6V:

Region: 6V
Case Number: 6B3600413T
Leak Record: 8/4/1992
Report Date: 3/27/1992
Reported By Address: Not reported
Responsible Party: BAR-S-LIQUOR
Operator: HAW SONG
Cross Street: Not reported
Local Agency: 36000L
Regional Board: 6V
Chemical: Gasoline
Case Type: Undefined
Funding: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAR-S-LIQUOR (Continued)

S102424938

Enforce Type: SEL
How Found: Not reported
How Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Global ID: T0607100763
Stop Date: Not reported
Leak Confirm: Not reported
Submit Workplan: 3/27/1992
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discovered: Not reported
Enforce Date: Not reported
Review Date: 8/4/1992
GW Qualifier: Not reported
Soil Qualifier: Not reported
MTBE class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
MTBE Counts: 0
MTBE Fuel: 1
MTBE Tested: NT
Organization Name: Not reported
Status: Preliminary site assessment workplan submitted
Contact: Not reported
Interim Action: Not reported
Pilot Program: LUST
Lat/Long: 34.5109952 / -117.3212592
Staff Initials: GDC
Local Agency Staff: UNK
Lead Agency: Local Agency
Summary: Not reported
Basin Number: UPPER MOJAVE RIVER V
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: Not reported
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported
Distance: 925.8341934
Wst Disch Reqrmt Global ID: Not reported
Wst Disch Reqrmt Name: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 6B3600413T

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

28
WNW
1/4-1/2
0.495 mi.
2616 ft.

STATER BROS. MARKETS 123
15235 HOOK BLVD
VICTORVILLE, CA 92394

SWRCY S107136949
San Bern. Co. Permit N/A

Relative:
Higher
Actual:
2946 ft.

SWRCY:
Reg Id: 178503
Cert Id: RC178503.001
Mailing Address: 800 N Haven Ave Suite 120
Mailing City: Ontario
Mailing State: CA
Mailing Zip Code: 91764
Website: <http://www.replanet.com>
Email: Not reported
Phone Number: (877) 737-5263
Grand Father: N
Rural: N
Operation Begin Date: 02/01/2013
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Agency: N/A
Monday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Tuesday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Wednesday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Thursday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Friday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Saturday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Sunday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Organization ID: 151891
Organization Name: rePlanet LLC

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0016397
Owner: STATER BROS. MARKETS
Permit Number: PT0035377
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status: ACTIVE
Expiration Date: 05/31/2018

Region: SAN BERNARDINO
Facility ID: FA0016397
Owner: STATER BROS. MARKETS
Permit Number: PT0037623
Permit Category: HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status: FEE EXEMPT
Expiration Date: 05/31/2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

29
East
1/2-1
0.844 mi.
4454 ft.

VICTORVILLE COMMUNITY DAY SCHOOL
CORTA DRIVE/CORTA PLACE
VICTORVILLE, CA 92392

ENVIROSTOR S118756805
SCH N/A

Relative:
Lower

ENVIROSTOR:

Actual:
2902 ft.

Facility ID: 36000019
Status: No Action Required
Status Date: 12/10/2004
Site Code: 404575
Site Type: School Investigation
Site Type Detailed: School
Acres: 2.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Amit Pathak
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 33
Senate: 21
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.5202
Longitude: -117.3063
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: SAN BERNARDINO CSS-PRPSD VCTRVL CM DA SC
Alias Type: Alternate Name
Alias Name: 404575
Alias Type: Project Code (Site Code)
Alias Name: 36000019
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: 10/14/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/10/2004
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORVILLE COMMUNITY DAY SCHOOL (Continued)

S118756805

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 36000019
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Amit Pathak
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404575
Assembly: 33
Senate: 21
Special Program Status: Not reported
Status: No Action Required
Status Date: 12/10/2004
Restricted Use: NO
Funding: School District
Latitude: 34.5202
Longitude: -117.3063
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: SAN BERNARDINO CSS-PRPSD VCTRL CM DA SC
Alias Type: Alternate Name
Alias Name: 404575
Alias Type: Project Code (Site Code)
Alias Name: 36000019
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: 10/14/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/10/2004
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORVILLE COMMUNITY DAY SCHOOL (Continued)

S118756805

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: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/16/2018
	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: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/06/2018
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMs by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/09/2018	Source: EPA
Date Data Arrived at EDR: 02/06/2018	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/30/2018
	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: 01/09/2018	Source: EPA
Date Data Arrived at EDR: 02/06/2018	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/30/2018
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/26/2017	Telephone: 800-424-9346
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	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: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	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: 05/22/2017	Source: Department of the Navy
Date Data Arrived at EDR: 06/13/2017	Telephone: 843-820-7326
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 02/09/2018
Number of Days to Update: 94	Next Scheduled EDR Contact: 05/28/2018
	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: 11/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/27/2017	Telephone: 703-603-0695
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 02/27/2018
Number of Days to Update: 74	Next Scheduled EDR Contact: 06/11/2018
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/27/2017	Telephone: 703-603-0695
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 02/27/2018
Number of Days to Update: 74	Next Scheduled EDR Contact: 06/11/2018
	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: 01/16/2018

Date Data Arrived at EDR: 01/19/2018

Date Made Active in Reports: 03/23/2018

Number of Days to Update: 63

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 03/27/2018

Next Scheduled EDR Contact: 07/09/2018

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: 01/30/2018

Date Data Arrived at EDR: 01/31/2018

Date Made Active in Reports: 03/19/2018

Number of Days to Update: 47

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/31/2018

Next Scheduled EDR Contact: 05/14/2018

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: 01/30/2018

Date Data Arrived at EDR: 01/31/2018

Date Made Active in Reports: 03/19/2018

Number of Days to Update: 47

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/31/2018

Next Scheduled EDR Contact: 05/14/2018

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: 02/12/2018

Date Data Arrived at EDR: 02/14/2018

Date Made Active in Reports: 04/03/2018

Number of Days to Update: 48

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 02/14/2018

Next Scheduled EDR Contact: 05/28/2018

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 08/06/2018
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: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2017	Source: EPA Region 4
Date Data Arrived at EDR: 01/23/2018	Telephone: 404-562-8677
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/16/2017	Source: EPA, Region 5
Date Data Arrived at EDR: 01/23/2018	Telephone: 312-886-7439
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

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: 10/14/2017	Source: EPA Region 1
Date Data Arrived at EDR: 01/23/2018	Telephone: 617-918-1313
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	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: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/23/2018	Telephone: 415-972-3372
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	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: 10/24/2017	Source: EPA Region 10
Date Data Arrived at EDR: 01/23/2018	Telephone: 206-553-2857
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	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: 01/06/2018	Source: EPA Region 6
Date Data Arrived at EDR: 01/23/2018	Telephone: 214-665-6597
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/14/2018	Telephone: 866-480-1028
Date Made Active in Reports: 03/21/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/25/2018
	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: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

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: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 15

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/21/2018
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2017	Source: EPA Region 4
Date Data Arrived at EDR: 01/23/2018	Telephone: 404-562-9424
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	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: 04/24/2017	Source: EPA Region 6
Date Data Arrived at EDR: 07/27/2017	Telephone: 214-665-7591
Date Made Active in Reports: 12/08/2017	Last EDR Contact: 04/27/2018
Number of Days to Update: 134	Next Scheduled EDR Contact: 08/06/2018
	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: 10/12/2017	Source: EPA Region 8
Date Data Arrived at EDR: 01/23/2018	Telephone: 303-312-6137
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

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: 10/24/2017	Source: EPA Region 10
Date Data Arrived at EDR: 01/23/2018	Telephone: 206-553-2857
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	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: 10/14/2017	Source: EPA, Region 1
Date Data Arrived at EDR: 01/23/2018	Telephone: 617-918-1313
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/16/2017	Source: EPA Region 5
Date Data Arrived at EDR: 01/23/2018	Telephone: 312-886-6136
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	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: 01/13/2018	Source: EPA Region 7
Date Data Arrived at EDR: 01/23/2018	Telephone: 913-551-7003
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	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: 09/30/2017	Source: EPA Region 9
Date Data Arrived at EDR: 01/23/2018	Telephone: 415-972-3368
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/27/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/31/2018	Telephone: 916-323-3400
Date Made Active in Reports: 03/19/2018	Last EDR Contact: 01/31/2018
Number of Days to Update: 47	Next Scheduled EDR Contact: 05/14/2018
	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	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 03/21/2018
Number of Days to Update: 142	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Varies

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

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: 12/22/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 36

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
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: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 39

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 02/26/2018
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: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
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: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
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: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 27

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 01/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 46

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 08/06/2018
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: 02/08/2018	Source: DTSC and SWRCB
Date Data Arrived at EDR: 02/08/2018	Telephone: 916-323-3400
Date Made Active in Reports: 02/08/2018	Last EDR Contact: 03/06/2018
Number of Days to Update: 0	Next Scheduled EDR Contact: 06/18/2018
	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: 01/19/2018	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/19/2018	Telephone: 202-366-4555
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 03/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/09/2018
	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: 02/15/2018	Source: Office of Emergency Services
Date Data Arrived at EDR: 02/20/2018	Telephone: 916-845-8400
Date Made Active in Reports: 04/03/2018	Last EDR Contact: 04/24/2018
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/06/2018
	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: 03/12/2018	Source: State Water Quality Control Board
Date Data Arrived at EDR: 03/14/2018	Telephone: 866-480-1028
Date Made Active in Reports: 03/21/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/25/2018
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/14/2018	Telephone: 866-480-1028
Date Made Active in Reports: 03/21/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/25/2018
	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: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	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: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 02/21/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/04/2018
	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: 04/13/2018
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/23/2018
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/11/2018
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/23/2018
	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
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/16/2018
Next Scheduled EDR Contact: 05/28/2018
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: 01/11/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/21/2018
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
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
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: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 08/06/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 06/18/2018
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: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/20/2018
Next Scheduled EDR Contact: 08/06/2018
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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 04/27/2018
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/21/2018
	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: 06/01/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: 202-566-0500
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 04/13/2018
Number of Days to Update: 126	Next Scheduled EDR Contact: 07/23/2018
	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: 04/09/2018
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/23/2018
	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: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	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: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 01/19/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/21/2018
	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: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 03/09/2018
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 03/06/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/18/2018
	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: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 04/27/2018
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/03/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/04/2018	Telephone: 202-343-9775
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 04/05/2018
Number of Days to Update: 99	Next Scheduled EDR Contact: 07/16/2018
	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: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 79

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/02/2018
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: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
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: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 07/16/2018
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

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 10/29/2017
Date Data Arrived at EDR: 11/28/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 45

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/11/2018
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 03/02/2018
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/11/2018
	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	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 03/02/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/11/2018
	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: 12/20/2017	Source: Department of Interior
Date Data Arrived at EDR: 12/21/2017	Telephone: 202-208-2609
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 03/07/2018
Number of Days to Update: 92	Next Scheduled EDR Contact: 06/25/2018
	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: 02/21/2018	Source: EPA
Date Data Arrived at EDR: 02/23/2018	Telephone: (415) 947-8000
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 02/23/2018
Number of Days to Update: 28	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/19/2018	Telephone: 202-564-2280
Date Made Active in Reports: 03/02/2018	Last EDR Contact: 03/07/2018
Number of Days to Update: 42	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016	Source: Department of Defense
Date Data Arrived at EDR: 10/31/2017	Telephone: 703-704-1564
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 04/13/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 07/30/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/19/2018	Telephone: 202-564-0527
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 03/02/2018
Number of Days to Update: 84	Next Scheduled EDR Contact: 06/11/2018
	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: 02/20/2018	Source: EPA
Date Data Arrived at EDR: 02/21/2018	Telephone: 800-385-6164
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 02/21/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/04/2018
	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: 02/08/2018	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 02/08/2018	Telephone: 916-323-3400
Date Made Active in Reports: 02/08/2018	Last EDR Contact: 03/27/2018
Number of Days to Update: 0	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/01/2017	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 02/02/2018	Telephone: 916-327-4498
Date Made Active in Reports: 03/16/2018	Last EDR Contact: 02/28/2018
Number of Days to Update: 42	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015	Source: California Air Resources Board
Date Data Arrived at EDR: 03/21/2017	Telephone: 916-322-2990
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 03/23/2018
Number of Days to Update: 147	Next Scheduled EDR Contact: 07/02/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/22/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/24/2018	Telephone: 916-445-9379
Date Made Active in Reports: 03/19/2018	Last EDR Contact: 04/18/2018
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/22/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/24/2018	Telephone: 916-255-3628
Date Made Active in Reports: 03/20/2018	Last EDR Contact: 04/18/2018
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2018	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 02/16/2018	Telephone: 916-341-6066
Date Made Active in Reports: 04/03/2018	Last EDR Contact: 02/08/2018
Number of Days to Update: 46	Next Scheduled EDR Contact: 05/28/2018
	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: 12/31/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2017	Telephone: 916-255-1136
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 04/12/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 07/23/2018
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirositor.

Date of Government Version: 02/20/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/21/2018	Telephone: 877-786-9427
Date Made Active in Reports: 04/03/2018	Last EDR Contact: 02/21/2018
Number of Days to Update: 41	Next Scheduled EDR Contact: 06/04/2018
	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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/20/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/21/2018	Telephone: 916-323-3400
Date Made Active in Reports: 04/03/2018	Last EDR Contact: 02/21/2018
Number of Days to Update: 41	Next Scheduled EDR Contact: 06/04/2018
	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: 01/08/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/09/2018	Telephone: 916-440-7145
Date Made Active in Reports: 02/06/2018	Last EDR Contact: 04/11/2018
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/23/2018
	Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/11/2017	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2017	Telephone: 916-322-1080
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 03/14/2018
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/25/2018
	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: 02/27/2018	Source: Department of Public Health
Date Data Arrived at EDR: 03/05/2018	Telephone: 916-558-1784
Date Made Active in Reports: 04/16/2018	Last EDR Contact: 03/06/2018
Number of Days to Update: 42	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/14/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/14/2018	Telephone: 916-445-9379
Date Made Active in Reports: 03/15/2018	Last EDR Contact: 03/14/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/28/2018
	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: 03/05/2018	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 03/05/2018	Telephone: 916-445-4038
Date Made Active in Reports: 04/19/2018	Last EDR Contact: 03/05/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 35

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 32

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 42

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 63

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 10

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/26/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 02/26/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 14

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List Cupa Facility list

Date of Government Version: 01/05/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 40

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/25/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/08/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 39

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 9

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

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: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/08/2018
Date Made Active in Reports: 04/30/2018
Number of Days to Update: 53

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 02/02/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 54

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/16/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

LASSEN COUNTY:

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: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/16/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 29

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/17/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 10/09/2017
Number of Days to Update: 171

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 01/17/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 28

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/17/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 40

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 12

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/12/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/27/2018
Date Data Arrived at EDR: 03/29/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 18

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 30

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/31/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 41

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/25/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 35

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2018	Source: Health Care Agency
Date Data Arrived at EDR: 02/07/2018	Telephone: 714-834-3446
Date Made Active in Reports: 03/28/2018	Last EDR Contact: 02/07/2018
Number of Days to Update: 49	Next Scheduled EDR Contact: 05/21/2018
	Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/08/2017	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 12/12/2017	Telephone: 530-745-2363
Date Made Active in Reports: 01/31/2018	Last EDR Contact: 03/15/2018
Number of Days to Update: 50	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 01/22/2018	Source: Plumas County Environmental Health
Date Data Arrived at EDR: 01/24/2018	Telephone: 530-283-6355
Date Made Active in Reports: 03/15/2018	Last EDR Contact: 04/18/2018
Number of Days to Update: 50	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2018	Source: Department of Environmental Health
Date Data Arrived at EDR: 01/23/2018	Telephone: 951-358-5055
Date Made Active in Reports: 03/20/2018	Last EDR Contact: 03/19/2018
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/02/2018
	Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2018	Source: Department of Environmental Health
Date Data Arrived at EDR: 01/23/2018	Telephone: 951-358-5055
Date Made Active in Reports: 03/28/2018	Last EDR Contact: 03/19/2018
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/02/2018
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

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: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/05/2018
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 42

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/17/2017
Number of Days to Update: 14

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 46

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/07/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 40

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/02/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 02/01/2018
Number of Days to Update: 42

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/11/2018
Number of Days to Update: 78

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/04/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 42

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SHASTA COUNTY:

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: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 28

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 16

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 20

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 37

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/16/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 29

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List

Cupa facilities

Date of Government Version: 01/26/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

TULARE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa program facilities

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/22/2018
Date Made Active in Reports: 04/17/2018
Number of Days to Update: 26

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 50

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 48

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/23/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 54

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/23/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2018	Source: Environmental Health Division
Date Data Arrived at EDR: 03/14/2018	Telephone: 805-654-2813
Date Made Active in Reports: 03/30/2018	Last EDR Contact: 03/14/2018
Number of Days to Update: 16	Next Scheduled EDR Contact: 06/25/2018
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 01/02/2018	Source: Yolo County Department of Health
Date Data Arrived at EDR: 01/09/2018	Telephone: 530-666-8646
Date Made Active in Reports: 01/19/2018	Last EDR Contact: 03/29/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/01/2018	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 02/02/2018	Telephone: 530-749-7523
Date Made Active in Reports: 03/21/2018	Last EDR Contact: 04/25/2018
Number of Days to Update: 47	Next Scheduled EDR Contact: 08/13/2018
	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: 01/03/2018	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/14/2018	Telephone: 860-424-3375
Date Made Active in Reports: 03/22/2018	Last EDR Contact: 02/14/2018
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/28/2018
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/11/2017	Telephone: N/A
Date Made Active in Reports: 07/27/2017	Last EDR Contact: 04/23/2018
Number of Days to Update: 107	Next Scheduled EDR Contact: 07/23/2018
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2017
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/09/2018
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/12/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PROPOSED AUTOMOTIVE DEALERSHIP
CIVIC DRIVE / ROY ROGERS DRIVE
VICTORVILLE, CA 92394

TARGET PROPERTY COORDINATES

Latitude (North):	34.519599 - 34° 31' 10.56"
Longitude (West):	117.322235 - 117° 19' 20.05"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	470424.0
UTM Y (Meters):	3819621.5
Elevation:	2944 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5619088 VICTORVILLE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

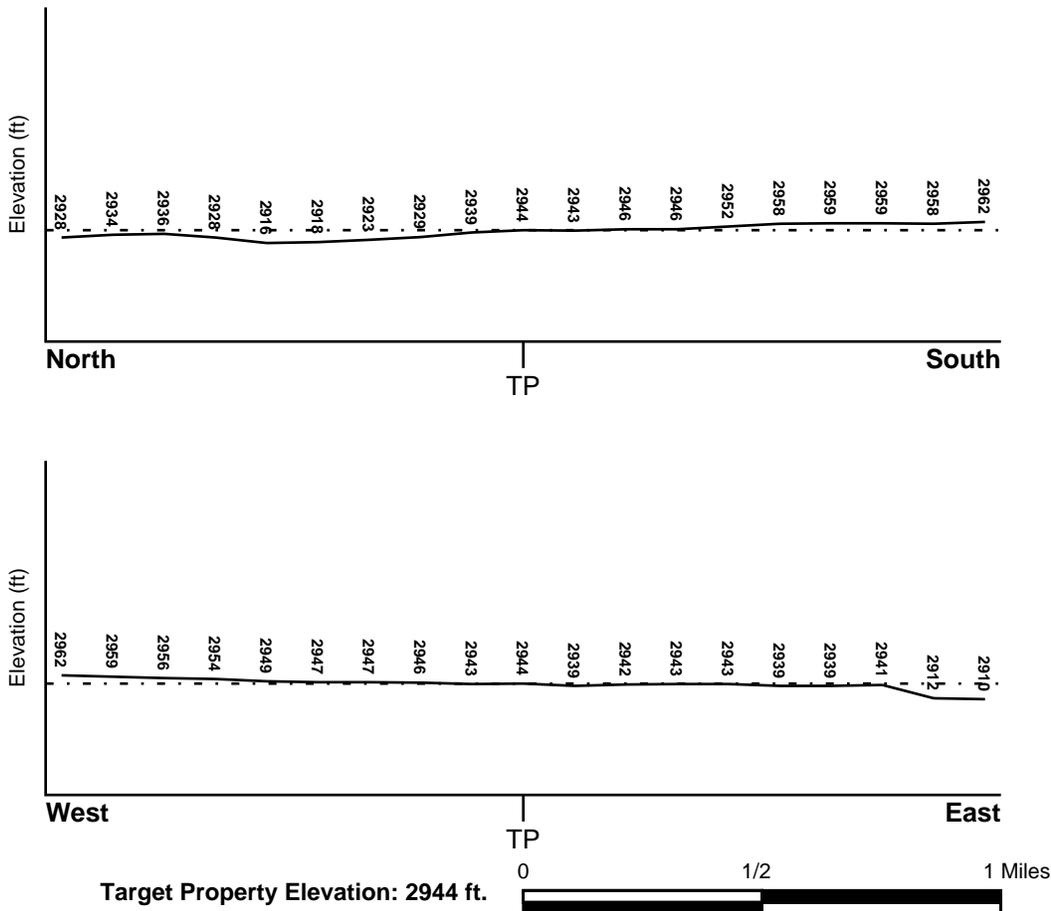
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

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>
06071C5815H	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06071C5820H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
VICTORVILLE	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

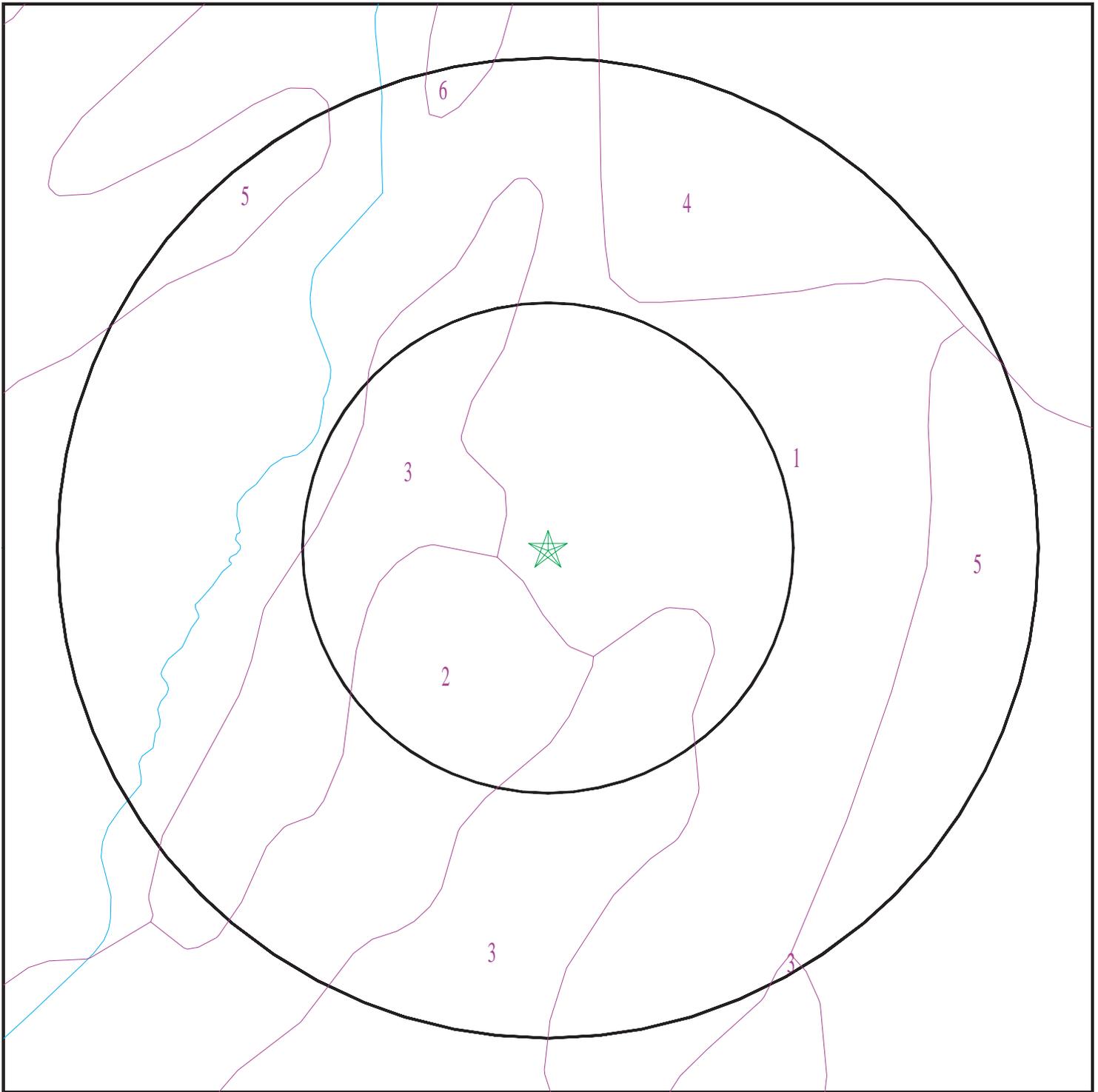
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

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 - 5277637.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Proposed Automotive Dealership
ADDRESS: Civic Drive / Roy Rogers Drive
Victorville CA 92394
LAT/LONG: 34.519599 / 117.322235

CLIENT: Kleinfelder, Inc.
CONTACT: Margaret Carroll
INQUIRY #: 5277637.2s
DATE: May 01, 2018 12:33 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: HELENDALE

Soil Surface Texture:
Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	3 inches	29 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4
3	29 inches	66 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4
4	66 inches	98 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: BRYMAN

Soil Surface Texture:
Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

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	9 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4
2	9 inches	42 inches		Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	42 inches	59 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: CAVE

Soil Surface Texture: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	14 inches	20 inches		Not reported	Not reported	Max: Min:	Max: Min:

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	20 inches	66 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9

Soil Map ID: 4

Soil Component Name: BRYMAN

Soil Surface Texture:
Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4
2	9 inches	38 inches		Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	38 inches	59 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 5

Soil Component Name: LAVIC

Soil Surface Texture:
Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

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	9 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	9 inches	20 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9
3	20 inches	48 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
4	48 inches	59 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.9

Soil Map ID: 6

Soil Component Name: Cajon

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not 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	5 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4

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	5 inches	25 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4
3	25 inches	59 inches	stratified gravelly sand to sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
3	USGS40000146460	1/2 - 1 Mile SSE
B5	USGS40000146538	1/2 - 1 Mile East
7	USGS40000146678	1/2 - 1 Mile NNE
C8	USGS40000146542	1/2 - 1 Mile East
D10	USGS40000146679	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C11	USGS40000146529	1/2 - 1 Mile East
13	USGS40000146465	1/2 - 1 Mile SE
E15	USGS40000146665	1/2 - 1 Mile NE
E16	USGS40000146666	1/2 - 1 Mile NE
F18	USGS40000146379	1/2 - 1 Mile SSE
20	USGS40000146418	1/2 - 1 Mile SE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

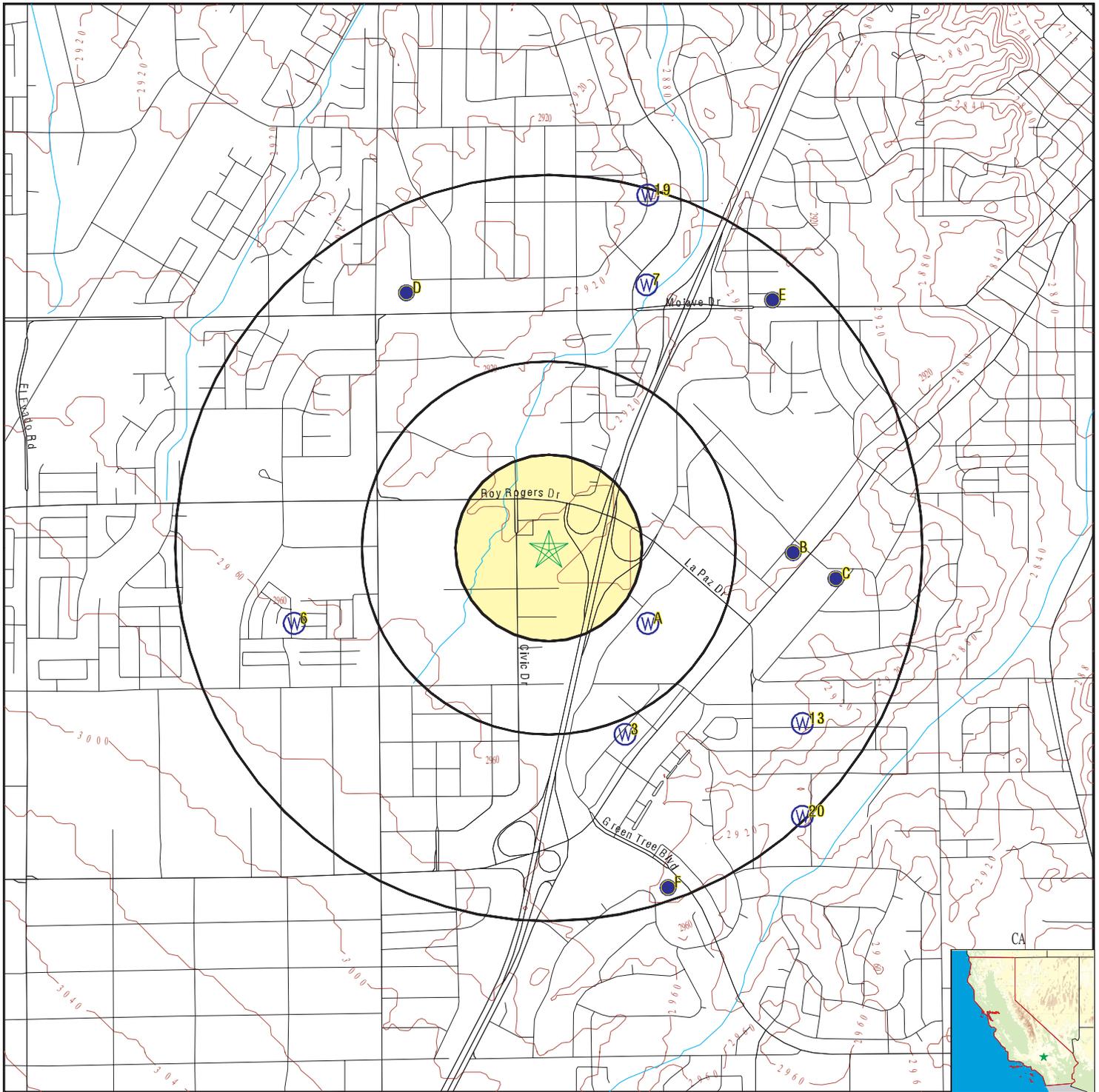
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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>
A1	5531	1/4 - 1/2 Mile SE
A2	5530	1/4 - 1/2 Mile SE
B4	CADW60000023059	1/2 - 1 Mile East
6	5529	1/2 - 1 Mile WSW
C9	CADW60000015490	1/2 - 1 Mile East
D12	CADW60000015488	1/2 - 1 Mile NNW
E14	CADW60000034259	1/2 - 1 Mile NE
F17	CADW60000023060	1/2 - 1 Mile SSE
19	5515	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 5277637.2s



- 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: Proposed Automotive Dealership
 ADDRESS: Civic Drive / Roy Rogers Drive
 Victorville CA 92394
 LAT/LONG: 34.519599 / 117.322235

CLIENT: Kleinfelder, Inc.
 CONTACT: Margaret Carroll
 INQUIRY #: 5277637.2s
 DATE: May 01, 2018 12:33 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
SE
1/4 - 1/2 Mile
Higher

CA WELLS 5531

Water System Information:

Prime Station Code:	05N/04W-20J02 S	User ID:	TAN
FRDS Number:	3610052013	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	343100.0 1171900.0	Precision:	Undefined
Source Name:	WELL 15		
System Number:	3610052		
System Name:	VICTOR VALLEY WATER DISTRICT		
Organization That Operates System:	17185 Yuma Street Victorville, CA 92392		
Pop Served:	49000	Connections:	16352
Area Served:	VICTORVILLE		

A2
SE
1/4 - 1/2 Mile
Higher

CA WELLS 5530

Water System Information:

Prime Station Code:	05N/04W-20B01 S	User ID:	TAN
FRDS Number:	3610052008	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	343100.0 1171900.0	Precision:	Undefined
Source Name:	WELL 10		
System Number:	3610052		
System Name:	VICTOR VALLEY WATER DISTRICT		
Organization That Operates System:	17185 Yuma Street Victorville, CA 92392		
Pop Served:	49000	Connections:	16352
Area Served:	VICTORVILLE		

3
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000146460

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-343045117190601		
Monloc name:	005N004W20B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18090208	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.51235
Longitude:	-117.3186472	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	2943
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	195305	Welldepth:	530
Welldepth units:	ft	Wellholedepth:	530
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 11

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-01	219.8		2004-02-01	213.5	
2004-01-01	216.2		2002-08-01	226	
2002-05-01	215		2002-03-01	210	
2002-02-01	215		2002-01-01	215	
2000-02-01	187.3		2000-01-01	187.8	
1957-03-20	153.15				

B4
East
1/2 - 1 Mile
Lower

CA WELLS CADW60000023059

Objectid:	23059
Latitude:	34.5194
Longitude:	-117.3112
Site code:	345194N1173112W001
State well numbe:	05N04W16M002S
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	36
County name:	San Bernardino
Basin code:	'6-42'
Basin desc:	Upper Mojave River Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000023059

B5
East
1/2 - 1 Mile
Lower

FED USGS USGS40000146538

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-343110117183401		
Monloc name:	005N004W16M002S		
Monloc type:	Well		
Monloc desc:	COMPUTER GENERATED LAT/LONG ACCURATE +/- 500 FT		
Huc code:	18090208	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.5194404
Longitude:	-117.3103235	Sourcemap scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	2941
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	1950	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-03-20	156.49	

6
WSW
1/2 - 1 Mile
Higher

CA WELLS 5529

Water System Information:

Prime Station Code:	05N/04W-19J01 S	User ID:	TAN
FRDS Number:	3610052007	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	343100.0 1172000.0	Precision:	Undefined
Source Name:	WELL 09		
System Number:	3610052		
System Name:	VICTOR VALLEY WATER DISTRICT		
Organization That Operates System:	17185 Yuma Street Victorville, CA 92392		
Pop Served:	49000	Connections:	16352
Area Served:	VICTORVILLE		
Sample Collected:	02-FEB-12	Findings:	5.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	02-FEB-12	Findings:	4.4 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	11-APR-12	Findings:	6. UG/L
Chemical:	ARSENIC		
Sample Collected:	01-MAY-12	Findings:	200. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	01-MAY-12	Findings:	8.9
Chemical:	PH, LABORATORY		
Sample Collected:	01-MAY-12	Findings:	83. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01-MAY-12	Findings:	89. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	01-MAY-12	Findings:	6. MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	01-MAY-12	Findings:	52. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	01-MAY-12	Findings:	16. MG/L
Chemical:	CALCIUM		
Sample Collected:	01-MAY-12	Findings:	2.6 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	01-MAY-12	Findings:	20. MG/L
Chemical:	SODIUM		
Sample Collected:	01-MAY-12	Findings:	1.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	01-MAY-12	Findings:	3.8 MG/L
Chemical:	CHLORIDE		
Sample Collected:	01-MAY-12	Findings:	5.1 MG/L
Chemical:	SULFATE		
Sample Collected:	01-MAY-12	Findings:	0.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	01-MAY-12	Findings:	22. UG/L
Chemical:	VANADIUM		
Sample Collected:	01-MAY-12	Findings:	110. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	18-JUL-12	Findings:	5.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	17-OCT-12	Findings:	5.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	27-NOV-12	Findings:	0.88 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09-JAN-13	Findings:	6.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	17-APR-13	Findings:	6.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	17-APR-13	Findings:	200. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	17-APR-13	Findings:	8.9
Chemical:	PH, LABORATORY		
Sample Collected:	17-APR-13	Findings:	85. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	17-APR-13	Findings:	94. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	17-APR-13	Findings:	4.8 MG/L
Chemical:	CARBONATE ALKALINITY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	17-APR-13	Findings:	8.9 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	17-APR-13	Findings:	3.4 MG/L
Chemical:	CALCIUM		
Sample Collected:	17-APR-13	Findings:	39. MG/L
Chemical:	SODIUM		
Sample Collected:	17-APR-13	Findings:	4. MG/L
Chemical:	CHLORIDE		
Sample Collected:	17-APR-13	Findings:	5.1 MG/L
Chemical:	SULFATE		
Sample Collected:	17-APR-13	Findings:	0.4 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	17-APR-13	Findings:	4.5 UG/L
Chemical:	ARSENIC		
Sample Collected:	17-APR-13	Findings:	35. UG/L
Chemical:	VANADIUM		
Sample Collected:	17-APR-13	Findings:	100. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10-JUL-13	Findings:	6.1 UG/L
Chemical:	ARSENIC		
Sample Collected:	21-OCT-13	Findings:	6.2 UG/L
Chemical:	ARSENIC		
Sample Collected:	13-JAN-14	Findings:	6.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	16-APR-14	Findings:	6.1 UG/L
Chemical:	ARSENIC		
Sample Collected:	13-MAY-14	Findings:	200. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	13-MAY-14	Findings:	9.
Chemical:	PH, LABORATORY		
Sample Collected:	13-MAY-14	Findings:	81. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	13-MAY-14	Findings:	96. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	13-MAY-14	Findings:	9.1 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	13-MAY-14	Findings:	3.4 MG/L
Chemical:	CALCIUM		
Sample Collected:	13-MAY-14	Findings:	42. MG/L
Chemical:	SODIUM		
Sample Collected:	13-MAY-14	Findings:	4.7 MG/L
Chemical:	CHLORIDE		
Sample Collected:	13-MAY-14	Findings:	6.8 MG/L
Chemical:	SULFATE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	13-MAY-14	Findings:	0.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	13-MAY-14	Findings:	5.5 UG/L
Chemical:	ARSENIC		
Sample Collected:	13-MAY-14	Findings:	32. UG/L
Chemical:	VANADIUM		
Sample Collected:	13-MAY-14	Findings:	260. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	15-JUL-14	Findings:	5.2 UG/L
Chemical:	ARSENIC		
Sample Collected:	15-JUL-14	Findings:	4.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	06-JAN-15	Findings:	5.9 UG/L
Chemical:	ARSENIC		
Sample Collected:	06-JAN-15	Findings:	4.7 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	22-APR-15	Findings:	4.1 UG/L
Chemical:	ARSENIC		
Sample Collected:	22-APR-15	Findings:	3.1 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	12-MAY-15	Findings:	190. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12-MAY-15	Findings:	8.8
Chemical:	PH, LABORATORY		
Sample Collected:	12-MAY-15	Findings:	81. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	12-MAY-15	Findings:	92. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	12-MAY-15	Findings:	3.6 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	12-MAY-15	Findings:	10. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	12-MAY-15	Findings:	3.9 MG/L
Chemical:	CALCIUM		
Sample Collected:	12-MAY-15	Findings:	42. MG/L
Chemical:	SODIUM		
Sample Collected:	12-MAY-15	Findings:	4.3 MG/L
Chemical:	CHLORIDE		
Sample Collected:	12-MAY-15	Findings:	6.2 MG/L
Chemical:	SULFATE		
Sample Collected:	12-MAY-15	Findings:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	12-MAY-15	Findings:	21. UG/L
Chemical:	VANADIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12-MAY-15	Findings:	90. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12-MAY-15	Findings:	0.76 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01-JUL-15	Findings:	4.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	14-OCT-15	Findings:	4.7 UG/L
Chemical:	ARSENIC		
Sample Collected:	14-OCT-15	Findings:	4.6 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	13-JAN-16	Findings:	5.6 UG/L
Chemical:	ARSENIC		
Sample Collected:	13-JAN-16	Findings:	6.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	13-APR-16	Findings:	190. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	13-APR-16	Findings:	8.9
Chemical:	PH, LABORATORY		
Sample Collected:	13-APR-16	Findings:	88. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	13-APR-16	Findings:	82. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	13-APR-16	Findings:	12. MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	13-APR-16	Findings:	0.46 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	13-APR-16	Findings:	3.3 MG/L
Chemical:	CALCIUM		
Sample Collected:	13-APR-16	Findings:	38. MG/L
Chemical:	SODIUM		
Sample Collected:	13-APR-16	Findings:	1.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	13-APR-16	Findings:	5.1 MG/L
Chemical:	CHLORIDE		
Sample Collected:	13-APR-16	Findings:	6.8 MG/L
Chemical:	SULFATE		
Sample Collected:	13-APR-16	Findings:	0.25 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	13-APR-16	Findings:	5.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	13-APR-16	Findings:	4.9 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	13-APR-16	Findings:	30. UG/L
Chemical:	VANADIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	13-APR-16	Findings:	120. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	13-APR-16	Findings:	0.46 MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	12-JUL-16	Findings:	4.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	12-JUL-16	Findings:	4.9 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	12-OCT-16	Findings:	6.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	12-OCT-16	Findings:	5.2 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	24-JAN-17	Findings:	5. UG/L
Chemical:	ARSENIC		
Sample Collected:	24-JAN-17	Findings:	6.7 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	05-APR-17	Findings:	5.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	05-APR-17	Findings:	5.8 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	05-APR-17	Findings:	200. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05-APR-17	Findings:	8.9
Chemical:	PH, LABORATORY		
Sample Collected:	05-APR-17	Findings:	86. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	05-APR-17	Findings:	95. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05-APR-17	Findings:	4.8 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	05-APR-17	Findings:	0.43 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	05-APR-17	Findings:	9.2 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	05-APR-17	Findings:	3.5 MG/L
Chemical:	CALCIUM		
Sample Collected:	05-APR-17	Findings:	43. MG/L
Chemical:	SODIUM		
Sample Collected:	05-APR-17	Findings:	4. MG/L
Chemical:	CHLORIDE		
Sample Collected:	05-APR-17	Findings:	6. MG/L
Chemical:	SULFATE		
Sample Collected:	05-APR-17	Findings:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05-APR-17	Findings:	5.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	05-APR-17	Findings:	34. UG/L
Chemical:	VANADIUM		
Sample Collected:	05-APR-17	Findings:	120. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

7
NNE
1/2 - 1 Mile
Lower

FED USGS USGS40000146678

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-343146117190401		
Monloc name:	005N004W08Q001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18090208	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.5298333
Longitude:	-117.3176389	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	2894.6
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19530201	Welldepth:	400
Welldepth units:	ft	Wellholeddepth:	Not Reported
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel

2004-03-17	Note: The site was being pumped.				
2004-03-01	175.1		2004-02-01	169.1	
2004-01-01	170.3		1998-04-16	160.6	
1996-04-12	161.20		1994-01-05	183.90	

C8
East
1/2 - 1 Mile
Lower

FED USGS USGS40000146542

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-343112117183501		
Monloc name:	005N004W16M001S		
Monloc type:	Well		
Monloc desc:	COMPUTER GENERATED LAT/LONG ACURATE +/- 500 FT		
Huc code:	18090208	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.5184667
Longitude:	-117.3089333	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	2943
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	195008	Welldepth:	492
Welldepth units:	ft	Wellholedepth:	492
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-01	208.7		2004-02-01	203.9	
2004-01-01	207.6		2002-01-01	176	
2000-03-01	196.2		2000-02-01	195.0	
1957-03-20	171.21				

Note: The site was being pumped.

C9
East
1/2 - 1 Mile
Lower

CA WELLS CADW60000015490

Objectid:	15490
Latitude:	34.518357
Longitude:	-117.308674
Site code:	345184N1173086W001
State well numbe:	05N04W16M003S
Local well name:	'WELL 141'
Well use id:	2
Well use descrip:	Industrial
County id:	36
County name:	San Bernardino
Basin code:	'6-42'
Basin desc:	Upper Mojave River Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000015490

D10
NNW
1/2 - 1 Mile
Lower

FED USGS USGS40000146679

Org. Identifier:	USGS-CA	Drainagearea value:	Not Reported
Formal name:	USGS California Water Science Center	Contrib drainagearea:	Not Reported
Monloc Identifier:	USGS-343146117194401	Latitude:	34.5294722
Monloc name:	005N004W08N001S	Sourcemap scale:	24000
Monloc type:	Well		
Monloc desc:	VICTOR VALLEY WELL 27		
Huc code:	Not Reported		
Drainagearea Units:	Not Reported		
Contrib drainagearea units:	Not Reported		
Longitude:	-117.3288889		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	2934
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-01	206.4		2004-02-01	198.1	
2004-01-01	199.5				

C11
East
1/2 - 1 Mile
Lower

FED USGS

USGS40000146529

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-343106117183101		
Monloc name:	005N004W16M003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.5184028
Longitude:	-117.3086472	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	2945
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20021002	Welldepth:	530
Welldepth units:	ft	Wellholedepth:	750
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

D12
NNW
1/2 - 1 Mile
Lower

CA WELLS

CADW60000015488

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 15488
 Latitude: 34.529585
 Longitude: -117.328939
 Site code: 345295N1173289W001
 State well numbe: 05N04W08N001S
 Local well name: 'WELL 127'
 Well use id: 4
 Well use descrip: Residential
 County id: 36
 County name: San Bernardino
 Basin code: '6-42'
 Basin desc: Upper Mojave River Valley
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000015488

13
SE
1/2 - 1 Mile
Lower

FED USGS USGS40000146465

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-343046117183401		
Monloc name:	005N004W21D001S		
Monloc type:	Well		
Monloc desc:	COMPUTER GENERATED LAT/LONG ACCURATE +/- 500 FT		
Huc code:	18090208	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.512774
Longitude:	-117.3103234	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	2940
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	1954	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E14
NE
1/2 - 1 Mile
Lower

CA WELLS CADW60000034259

Objectid: 34259
 Latitude: 34.5292
 Longitude: -117.3123
 Site code: 345292N1173123W001
 State well numbe: 05N04W09N001S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 36
 County name: San Bernardino

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '6-42'
 Basin desc: Upper Mojave River Valley
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000034259

E15
NE
1/2 - 1 Mile
Lower

FED USGS USGS40000146665

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-343145117183801		
Monloc name:	005N004W09N001S		
Monloc type:	Well		
Monloc desc:	COMPUTER GENERATED LAT/LONG ACCURATE +/- 500 FT		
Huc code:	18090208	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.5291622
Longitude:	-117.3114347	Sourcemap scale:	24000
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	2908
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	1955	Welldepth:	615
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-03-20	159.71	

E16
NE
1/2 - 1 Mile
Lower

FED USGS USGS40000146666

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-343145117184201		
Monloc name:	005N004W09N002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.5293889
Longitude:	-117.3114583	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	2860
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	199902	Welldepth:	640
Welldepth units:	ft	Wellholedepth:	1000
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

F17
SSE
1/2 - 1 Mile
Lower

CA WELLS CADW60000023060

Objectid:	23060
Latitude:	34.5064
Longitude:	-117.3171
Site code:	345064N1173171W001
State well numbe:	05N04W20J003S
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	36
County name:	San Bernardino
Basin code:	'6-42'
Basin desc:	Upper Mojave River Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000023060

F18
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40000146379

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-343023117185501		
Monloc name:	005N004W20J003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18090208	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.5063853
Longitude:	-117.3161568	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	2930
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	448
Construction date:	19760101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1996-04-12	183.3		1993-08-01	192.1	
1992-08	188.1				

19
NNE
1/2 - 1 Mile
Lower

CA WELLS 5515

Water System Information:

Prime Station Code:	05N/04W-08Q01 S	User ID:	TAN
FRDS Number:	3610052003	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	343200.0 1171900.0	Precision:	Undefined
Source Name:	WELL 05		
System Number:	3610052		
System Name:	VICTOR VALLEY WATER DISTRICT		
Organization That Operates System:	17185 Yuma Street Victorville, CA 92392		
Pop Served:	49000	Connections:	16352
Area Served:	VICTORVILLE		
Sample Collected:	23-JUL-07	Findings:	20. UG/L
Chemical:	VANADIUM		

20
SE
1/2 - 1 Mile
Lower

FED USGS USGS40000146418

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-343033117183401		
Monloc name:	005N004W21E002S		
Monloc type:	Well		
Monloc desc:	COMPUTER GENERATED LAT/LONG ACCURATE +/- 500 FT		
Huc code:	18090208	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.5091631
Longitude:	-117.3103234	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	2890
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
Construction date: Not Reported
Welldepth units: Not Reported
Wellholedepth units: Not Reported

Welldepth: Not Reported
Wellholedepth: Not Reported

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for SAN BERNARDINO County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX C
USER PROVIDED AND REGULATORY AGENCY DOCUMENTATION

Proposed Automotive Dealership

Civic Drive / Roy Rogers Drive
Victorville, CA 92394

Inquiry Number: 5277637.7S
May 7, 2018

EDR Environmental Lien and AUL Search



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

PROPOSED AUTOMOTIVE DEALERSHIP
CIVIC DRIVE / ROY ROGERS DRIVE
VICTORVILLE, CA 92394

RESEARCH SOURCE

Source 1: Recorder
San Bernardino County, California

Source 2: Assessor
San Bernardino County, California

PROPERTY INFORMATION

Deed 1:

Type of Deed: Grant Deed
Title is vested in: Civic Rogers, LLC, a California limited liability company
Title received from: LA-DF Valley Center, LLC, a California limited liability company
Deed Dated: 02/05/2008
Deed Recorded: 03/05/2008
Instrument: 2008-0096664

Legal Description: All that certain piece or parcel of land being Parcel 3 of Parcel Map 19004, filed in Book 230 at Page 59, situate and lying in the County of San Bernardino, State of California.

Legal Current Owner: Civic Rogers, LLC, a California limited liability company

Property Identifiers: 3106-261-26-0000

Deed 2:

Type of Deed: Grant Deed
Title is vested in: Civic Rogers, LLC, a California limited liability company
Title received from: LA-DF Valley Center, LLC, a California limited liability company
Deed Dated: 02/05/2008
Deed Recorded: 03/05/2008
Instrument: 2008-0096664

Legal Description: All that certain piece or parcel of land being Parcel 4 of Parcel Map 19004, filed in Book 230 at Page 59, situate and lying in the County of San Bernardino, State of California.

Legal Current Owner: Civic Rogers, LLC, a California limited liability company

Property Identifiers: 3106-261-27-0000

EDR Environmental Lien and AUL Search

Deed 3:

Type of Deed: Grant Deed

Title is vested in: Civic Rogers, LLC, a California limited liability company

Title received from: LA-DF Valley Center, LLC, a California limited liability company

Deed Dated: 02/05/2008

Deed Recorded: 03/05/2008

Instrument: 2008-0096664

Legal Description: All that certain piece or parcel of land being Parcel 5 of Parcel Map 19004, filed in Book 230 at Page 59, situate and lying in the County of San Bernardino, State of California.

Legal Current Owner: Civic Rogers, LLC, a California limited liability company

Property Identifiers: 3106-261-28-0000

Deed 4:

Type of Deed: Grant Deed

Title is vested in: Civic Rogers, LLC, a California limited liability company

Title received from: LA-DF Valley Center, LLC, a California limited liability company

Deed Dated: 02/05/2008

Deed Recorded: 03/05/2008

Instrument: 2008-0096664

Legal Description: All that certain piece or parcel of land being Parcel 6 of Parcel Map 19004, filed in Book 230 at Page 59, situate and lying in the County of San Bernardino, State of California.

Legal Current Owner: Civic Rogers, LLC, a California limited liability company

Property Identifiers: 3106-261-29-0000

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found Not Found

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

EDR Environmental Lien and AUL Search

DEED EXHIBIT



LARRY WALKER
Auditor/Controller - Recorder

771 Document Processing Solutions

RECORDING REQUESTED BY
AND WHEN RECORDED MAIL TO:

Doc#: 2008 - 0096664

Titles: 1 Pages: 3



Fees	24.00
Taxes	** Conf **
Other	1.00
<u>PAID</u>	<u>\$25.00</u>

CIVIC ROGERS, LLC,
c/o World Premier Investments
3 Imperial Promenade, Suite 550
Santa Ana, CA 92707
Attention: Legal Department (1074)

APN: 0395-361-07-0-000

Space above for recorders purposes

[Documentary Transfer Tax paid per separate unrecorded letter]

GRANT DEED

D.T.T. NOT OF PUBLIC RECORDS

FOR VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, LA-DF VALLEY CENTER, LLC, a California limited liability company, ("Grantor"), hereby grants to CIVIC ROGERS, LLC, a California limited liability company ("Grantee"), that certain real property located in the County of San Bernardino, State of California, described in Exhibit A annexed hereto and made a part hereof.

SUBJECT TO: all existing taxes, assessments, reservations in patents, liens, encumbrances, covenants, conditions, restrictions, rights of way and easements of record.

IN WITNESS WHEREOF, Grantor has executed this Grant Deed as of the 5th day of February, 2008.

GRANTOR'S:

LA-DF VALLEY CENTER, LLC,
a California limited liability company

By: R.Y. PROPERTIES, INC.
a California corporation
Its: Manager

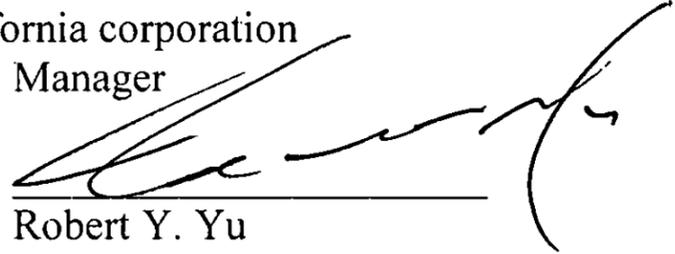
By: 
Name: Robert Y. Yu
Its: President

EXHIBIT A

PARCEL 4 OF PARCEL MAP NO. 13879, IN THE CITY OF VICTORVILLE, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN BOOK 162 OF PARCEL MAPS, PAGE(S) 84 TO 88, INCLUSIVE, RECORDS OF SAID COUNTY,

EXCEPTING FROM THAT PORTION OF THE AFOREDESCRIBED PROPERTY WHICH UNDERLIES A PLANE PARALLEL TO AND 250 FEET BELOW THE SURFACE THEREOF, WHICH PORTION IS HEREINAFTER REFERED TO AS "SAID LAND", ½ OF ALL OIL, GAS, PETROLEUM AND OTHER HYDROCARBON SUBSTANCES, MINERALS AND WATER IN, UNDER OR RECOVERABLE FROM SAID LAND; TOGETHER WITH THE RIGHT TO INJECT OR INTRODUCE, FROM TIME TO TIME, STORE THEREIN AND SUBSEQUENTLY REMOVE FROM SAID LAND, ANY OIL, GAS, PETROLEUM AND OTHER HYDROCARBON SUBSTANCES, MINERALS AND WATER; TOGETHER WITH RIGHTS OF WAY, EASEMENTS AND SERVITUDES IN AND THROUGH SAID LAND FOR THE PURPOSE OF EXERCISING THE RIGHTS HEREIN RESERVED, INCLUDING BUT NOT LIMITED TO THE RIGHT, FROM TIME TO TIME, TO DRILL WELL HOLES, TO CASE THE SAME AND OTHERWISE TO COMPLETE AND MAINTAIN WELLS INTO AND THROUGH SAID LAND FROM SURFACE LOCATIONS OUTSIDE THE PROPERTY HEREIN CONVEYED; PROVIDED, HOWEVER, THAT THE RIGHTS HEREIN RESERVED DO NOT INCLUDE THE RIGHT TO ENTER UPON THE SURFACE OVERLYING SAID LAND, AS RESERVED IN THE DEED FROM ELIZABETH C. BREHM, RECORDED DECEMBER 30, 1964, IN BOOK 6302, PAGE 345, OFFICIAL RECORDS.

APN: 0395-361-07-0-000

ACKNOWLEDGMENT

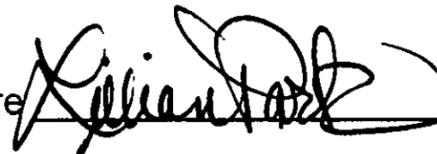
State of California
County of Los Angeles)

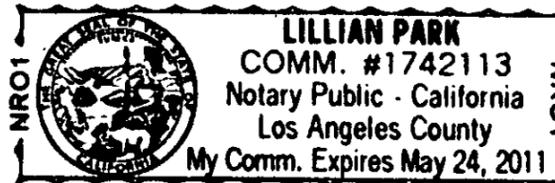
On February 5, 2008 before me, Lillian Park, Notary Public
(insert name and title of the officer)

personally appeared Robert Y. Yu
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature  (Seal)



APN: 0395-361-07-0-000



Issuing Policies of Chicago Title Insurance Company

ORDER NO.: **00078486-016-NJ-DB**

Escrow/Customer Phone: **(213) 488-4373**

Chicago Title Company
725 South Figueroa Street, Suite 200
Los Angeles, CA 90017
ATTN: Nko Justin
Email: nko.justin@ctt.com

Title Officer: **Dave Balassi (LA/Comm)**
Title Officer Phone: **(213) 488-4394**
Title Officer Fax: **(213) 488-4360**
Title Officer Email: **DL-CTI-LosAngeles-UnitX49@ctt.com**

PROPERTY: **SOUTH EAST CORNER OF ROY ROGERS DR. & CIVIC DR., VICTORVILLE, CA**

PRELIMINARY REPORT

*In response to the application for a policy of title insurance referenced herein, **Chicago Title Company** hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a policy or policies of title insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an exception herein or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations or Conditions of said policy forms.*

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Attachment One. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Attachment One. Copies of the policy forms should be read. They are available from the office which issued this report.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

The policy(s) of title insurance to be issued hereunder will be policy(s) of Chicago Title Insurance Company, a Florida corporation.

Please read the exceptions shown or referred to herein and the exceptions and exclusions set forth in Attachment One of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects and encumbrances affecting title to the land.

Chicago Title Company

By: 
Authorized Signature



By: 
Randy Quirk, President

Attest: 
Michael Gravelle, Secretary



PRELIMINARY REPORT

EFFECTIVE DATE: **April 18, 2018 at 7:30 a.m.**

ORDER NO.: 00078486-016-NJ-DB

The form of policy or policies of title insurance contemplated by this report is:

1. THE ESTATE OR INTEREST IN THE LAND HEREINAFTER DESCRIBED OR REFERRED TO COVERED BY THIS REPORT IS:

Fee Estate

2. TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS VESTED IN:

Civic Rogers, LLC, a California limited liability company

3. THE LAND REFERRED TO IN THIS REPORT IS DESCRIBED AS FOLLOWS:

See Exhibit A attached hereto and made a part hereof.

EXHIBIT "A"

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF VICTORVILLE, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCELS 2, 3, 4, 5 AND 6 OF [PARCEL MAP 19004](#), IN THE CITY OF VICTORVILLE, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN [BOOK 230 OF PARCEL MAP, PAGES 59 TO 63](#), INCLUSIVE, RECORDS OF SAID COUNTY.

EXCEPTING FROM THAT PORTION OF THE AFORE DESCRIBED PROPERTY WHICH UNDERLIES A PLANE PARALLEL TO AND 250 FEET BELOW THE SURFACE THEREOF, WHICH PORTION IS HEREINAFTER REFERRED TO AS "SAID LAND", 1/2 OF ALL OIL, GAS, PETROLEUM AND OTHER HYDROCARBON SUBSTANCES, MINERALS AND WATER IN, UNDER OR RECOVERABLE FROM SAID LAND; TOGETHER WITH THE RIGHT TO INJECT OR INTRODUCE FROM TIME TO TIME, STORE THEREIN AND SUBSEQUENTLY REMOVE FROM SAID LAND. ANY OIL, GAS, PETROLEUM AND OTHER HYDROCARBON SUBSTANCES, MINERALS AND WATER; TOGETHER WITH THE RIGHTS OF WAY, EASEMENTS AND SERVITUDES IN AND THROUGH SAID LAND FOR THE PURPOSE OF EXERCISING THE RIGHTS HEREIN RESERVED, INCLUDING BUT NOT LIMITED TO THE RIGHT, FROM TIME TO TIME, TO DRILL WELL HOLES, TO CASE THE SAME AND OTHERWISE TO COMPLETE AND MAINTAIN WELLS INTO AND THROUGH SAID LAND FROM SURFACE LOCATIONS OUTSIDE THE PROPERTY HEREIN CONVEYED; PROVIDED, HOWEVER, THAT THE RIGHTS HEREIN RESERVED DO NOT INCLUDE THE RIGHT TO ENTER UPON THE SURFACE OVERLYING SAID LAND, AS RESERVED IN THE DEED FROM ELIZABETH C. BREHM, RECORDED DECEMBER 30, 1964, IN [BOOK 6302, PAGE 345, OFFICIAL RECORDS](#).

APN: **3106-261-25, 26, 27, 28 & 29**

EXCEPTIONS

AT THE DATE HEREOF, ITEMS TO BE CONSIDERED AND EXCEPTIONS TO COVERAGE IN ADDITION TO THE PRINTED EXCEPTIONS AND EXCLUSIONS IN SAID POLICY FORM WOULD BE AS FOLLOWS:

- A. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the fiscal year 2018-2019.
- B. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to Date of Policy.

- 1. Water rights, claims or title to water, whether or not disclosed by the public records.
- 2. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Purpose: street
Recording Date: May 7, 1974
Recording No: in [Book 8425 page 712, of Official Records](#)
Affects: a portion of said land

- 3. Matters contained in that certain document

Entitled: Land Division Improvement Construction Agreement
Recording Date: October 3, 1991
Recording No: [91-378562, of Official Records](#)

Reference is hereby made to said document for full particulars.

- 4. The Land described herein is included within a project area of the Redevelopment Agency shown below, and that proceedings for the redevelopment of said project have been instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the Redevelopment Plan) as disclosed by a document.

Redevelopment Agency: Victor Valley Redevelopment Project Area
Recording Date: July 15, 1992
Recording No: [92-292935, of Official Records](#)

- 5. Matters contained in that certain document

Entitled: Utility Surety Agreement
Recording Date: August 18, 1992
Recording No: [92-343290, of Official Records](#)

Reference is hereby made to said document for full particulars.

- 6. Matters contained in that certain document

Entitled: Owner Participation Agreement
Recording Date: April 14, 1994
Recording No: [94-176403, of Official Records](#)

Reference is hereby made to said document for full particulars.

EXCEPTIONS
(Continued)

7. The ownership of said Land does not include rights of access to or from the street, highway, or freeway abutting said Land, such rights having been relinquished by said map/plat.

Affects: Civic Drive
Parcel Map No.: [18400 in Book 229 page 10 of Parcel Maps](#)

Said Land, however, abuts on a public thoroughfare, other than the one referred to above, over which the rights of vehicular access have not been relinquished.

8. A deed of trust to secure an indebtedness in the amount shown below,

Amount: \$13,500,000.00
Dated: May 8, 2006
Trustor/Grantor: Civic Rogers, LLC, a California limited liability company
Trustee: East West Investment Inc., a California corporation
Beneficiary: East West Bank
Recording Date: May 19, 2006
Recording No.: [2006-344594, of Official Records](#)

An agreement to modify the terms and provisions of said deed of trust as therein provided

Recording Date: January 11, 2010
Recording No.: [2010-10137, of Official Records](#)

An agreement to modify the terms and provisions of said deed of trust as therein provided

Recording Date: September 3, 2010
Recording No.: [2010-363863, of Official Records](#)

Affects: The herein described Land and other land.

9. Covenants, conditions, restrictions and easements but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, citizenship, immigration status, primary language, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording Date: July 10, 2008
Recording No.: [2008-313701, of Official Records](#)

Modification(s) of said covenants, conditions and restrictions

Recording Date: September 9, 2009
Recording No.: [2009-396873, of Official Records](#)

**EXCEPTIONS
(Continued)**

10. Matters contained in that certain document

Entitled: Land Division Improvement Construction Agreement
Recording Date: July 14, 2008
Recording No: [2008-318094, of Official Records](#)

Reference is hereby made to said document for full particulars.

11. Recitals as shown on that certain map/plat

Parcel Map No.: [19004](#)
Recording Date: in [Book 230, page 59 of Parcel maps](#)

Reference is hereby made to said document for full particulars.

12. Matters contained in that certain document

Entitled: Land Division Improvement Construction Agreement
Recording Date: October 31, 2008
Recording No: [2008-480997, of Official Records](#)

Reference is hereby made to said document for full particulars.

13. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Purpose: public utilities
Recording Date: February 25, 2009
Recording No: [2009-81471, of Official Records](#)
Affects: a portion of said land

and Re-Recording No: May 20, 2009 as [Instrument No. 2009-218510, of Official Records](#)

14. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Purpose: public utilities
Recording Date: April 7, 2009
Recording No: [2009-145507, of Official Records](#)
Affects: a portion of said land

and Re-Recording No: May 21, 2009 as [Instrument No. 2009-221368, of Official Records](#)

**EXCEPTIONS
(Continued)**

15. Matters contained in that certain document

Entitled: Victorville Redevelopment Agency Owner Participation Agreement
Recording Date: June 4, 2009
Recording No: [2009-243852, of Official Records](#)

Reference is hereby made to said document for full particulars.

An agreement to modify the terms and provisions of the said document, as therein provided

Recording Date: September 4, 2009
Recording No: [2009-392026, of Official Records](#)

An agreement to modify the terms and provisions of the said document, as therein provided

Recording Date: November 10, 2010
Recording No: [2010-467123, of Official Records](#)

An agreement to modify the terms and provisions of the said document, as therein provided

Recording Date: November 10, 2010
Recording No: [2010-467124, of Official Records](#)

An agreement to modify the terms and provisions of the said document, as therein provided

Recording Date: November 10, 2010
Recording No: [2010-467125, of Official Records](#)

Matters contained in that certain document

Entitled: Agreement to Terminate and Release Owner Participation Agreement
Recording Date: December 14, 2016
Recording No: [2016-547184, of Official Records](#)

Reference is hereby made to said document for full particulars.

EXCEPTIONS
(Continued)

16. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, citizenship, immigration status, primary language, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording Date: June 4, 2009
Recording No: [2009-243880, of Official Records](#)

Modification(s) of said covenants, conditions and restrictions

Recording Date: November 10, 2010
Recording No: [2010-467123, of Official Records](#)

Modification(s) of said covenants, conditions and restrictions

Recording Date: November 10, 2010
Recording No: [2010-467125, of Official Records](#)

17. Matters contained in that certain document

Entitled: Agreement
Recording Date: June 4, 2009
Recording No: [2009-243884, of Official Records](#)

Reference is hereby made to said document for full particulars.

18. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Purpose: water conveyance
Recording Date: June 23, 2009
Recording No: [2009-274275, of Official Records](#)
Affects: a portion of said land

19. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Purpose: water conveyance
Recording Date: June 23, 2009
Recording No: [2009-274276, of Official Records](#)
Affects: a portion of said land

20. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Purpose: water conveyance
Recording Date: June 23, 2009
Recording No: [2009-274277, of Official Records](#)
Affects: a portion of said land

EXCEPTIONS
(Continued)

21. Matters contained in that certain document

Entitled: Memorandum of Purchase and Sale Agreement
Recording Date: September 9, 2009
Recording No: [2009-396874, of Official Records](#)

Reference is hereby made to said document for full particulars.

22. An irrevocable offer to dedicate an easement over a portion of said Land for

Purpose(s): water system
Recording Date: October 23, 2009
Recording No: [2009-465021, of Official Records](#)
Affects: a portion of said land

23. Matters contained in that certain document

Entitled: Notice Street Lighting Assessment
Recording Date: September 25, 2013
Recording No: [2013-420215, of Official Records](#)

Reference is hereby made to said document for full particulars.

24. Matters contained in that certain document

Entitled: Declaration of Exclusive Rights and Permitted use
Recording Date: December 10, 2015
Recording No: [2015-540099, of Official Records](#)

Reference is hereby made to said document for full particulars.

25. Matters which may be disclosed by an inspection and/or by a correct ALTA/NSPS Land Title Survey of said Land that is satisfactory to the Company, and/or by inquiry of the parties in possession thereof.

26. Any rights of the parties in possession of a portion of, or all of, said Land, which rights are not disclosed by the public records.

The Company will require, for review, a full and complete copy of any unrecorded agreement, contract, license and/or lease, together with all supplements, assignments and amendments thereto, before issuing any policy of title insurance without excepting this item from coverage.

The Company reserves the right to except additional items and/or make additional requirements after reviewing said documents.

The Company will require that a full copy of any unrecorded lease referred to herein be furnished to the Company, together with all supplements, assignments and amendments for review.

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

**EXCEPTIONS
(Continued)**

PLEASE REFER TO THE "INFORMATIONAL NOTES" AND "REQUIREMENTS" SECTIONS WHICH FOLLOW FOR INFORMATION NECESSARY TO COMPLETE THIS TRANSACTION.

END OF EXCEPTIONS

REQUIREMENTS SECTION

1. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance from the entity named below:

Limited Liability Company: Civic Rogers, LLC, a California limited liability company

- a) A copy of its operating agreement, if any, and any and all amendments, supplements and/or modifications thereto, certified by the appropriate manager or member
- b) If a domestic Limited Liability Company, a copy of its Articles of Organization and all amendments thereto with the appropriate filing stamps
- c) If the Limited Liability Company is member-managed, a full and complete current list of members certified by the appropriate manager or member
- d) A current dated certificate of good standing from the proper governmental authority of the state in which the entity was created
- e) If less than all members, or managers, as appropriate, will be executing the closing documents, furnish evidence of the authority of those signing.

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

2. Unrecorded matters which may be disclosed by an Owner's Affidavit or Declaration. A form of the Owner's Affidavit/Declaration is attached to this Preliminary Report/Commitment. This Affidavit/Declaration is to be completed by the record owner of the land and submitted for review prior to the closing of this transaction. Your prompt attention to this requirement will help avoid delays in the closing of this transaction. Thank you.

The Company reserves the right to add additional items or make further requirements after review of the requested Affidavit/Declaration.

END OF REQUIREMENTS

INFORMATIONAL NOTES SECTION

=clause=

1. None of the items shown in this report will cause the Company to decline to attach CLTA Endorsement Form 100 to an Extended Coverage Loan Policy, when issued.
2. The Company is not aware of any matters which would cause it to decline to attach CLTA Endorsement Form 116 indicating that there is located on said Land Commercial properties, known as South East Corner of Roy Rogers Dr. & Civic Dr., located within the city of Victorville, California, , to an Extended Coverage Loan Policy.
3. Note: The policy of title insurance will include an arbitration provision. The Company or the insured may demand arbitration. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the insured arising out of or relating to this policy, any service of the Company in connection with its issuance or the breach of a policy provision or other obligation. Please ask your escrow or title officer for a sample copy of the policy to be issued if you wish to review the arbitration provisions and any other provisions pertaining to your Title Insurance coverage.
4. Notice: Please be aware that due to the conflict between federal and state laws concerning the cultivation, distribution, manufacture or sale of marijuana, the Company is not able to close or insure any transaction involving Land that is associated with these activities.
5. Note: Property taxes, including any personal property taxes and any assessments collected with taxes, are paid. For proration purposes the amounts were:

Tax Identification No.: 3106-261-25-0-000
Fiscal Year: 2017-2018
1st Installment: \$2,616.17
2nd Installment: \$2,616.15
Exemption: none
Code Area: 012-068

6. Note: Property taxes, including any personal property taxes and any assessments collected with taxes, are paid. For proration purposes the amounts were:

Tax Identification No.: 3106-261-26-0-000
Fiscal Year: 2017-2018
1st Installment: \$3,060.31
2nd Installment: \$3,060.28
Exemption: none
Code Area: 012-068

7. Note: Property taxes, including any personal property taxes and any assessments collected with taxes, are paid. For proration purposes the amounts were:

Tax Identification No.: 3106-261-27-0-000
Fiscal Year: 2017-2018
1st Installment: \$1,890.12
2nd Installment: \$1,890.08
Exemption: none
Code Area: 012-068

INFORMATIONAL NOTES
(Continued)

8. Note: Property taxes, including any personal property taxes and any assessments collected with taxes, are paid. For proration purposes the amounts were:

Tax Identification No.: 3106-261-28-0-000
Fiscal Year: 2017-2018
1st Installment: \$3,382.06
2nd Installment: \$3,382.01
Exemption: none
Code Area: 012-068

9. Note: Property taxes, including any personal property taxes and any assessments collected with taxes, are paid. For proration purposes the amounts were:

Tax Identification No.: 3106-261-29-0-000
Fiscal Year: 2016-2017
1st Installment: \$3,532.40
2nd Installment: \$3,532.38
Exemption: none
Code Area: 012-068

END OF INFORMATIONAL NOTES

Dave Balassi (LA/Comm)/jt

FIDELITY NATIONAL FINANCIAL

PRIVACY NOTICE

At Fidelity National Financial, Inc., we respect and believe it is important to protect the privacy of consumers and our customers. This Privacy Notice explains how we collect, use, and protect any information that we collect from you, when and to whom we disclose such information, and the choices you have about the use of that information. A summary of the Privacy Notice is below, and we encourage you to review the entirety of the Privacy Notice following this summary. You can opt-out of certain disclosures by following our opt-out procedure set forth at the end of this Privacy Notice.

<p>Types of Information Collected. You may provide us with certain personal information about you, like your contact information, address demographic information, social security number (SSN), driver's license, passport, other government ID numbers and/or financial information. We may also receive browsing information from your Internet browser, computer and/or mobile device if you visit or use our websites or applications.</p>	<p>How Information is Collected. We may collect personal information from you via applications, forms, and correspondence we receive from you and others related to our transactions with you. When you visit our websites from your computer or mobile device, we automatically collect and store certain information available to us through your Internet browser or computer equipment to optimize your website experience.</p>
<p>Use of Collected Information. We request and use your personal information to provide products and services to you, to improve our products and services, and to communicate with you about these products and services. We may also share your contact information with our affiliates for marketing purposes.</p>	<p>When Information Is Disclosed. We may disclose your information to our affiliates and/or nonaffiliated parties providing services for you or us, to law enforcement agencies or governmental authorities, as required by law, and to parties whose interest in title must be determined.</p>
<p>Choices With Your Information. Your decision to submit information to us is entirely up to you. You can opt-out of certain disclosure or use of your information or choose to not provide any personal information to us.</p>	<p>Information From Children. We do not knowingly collect information from children who are under the age of 13, and our website is not intended to attract children.</p>
<p>Privacy Outside the Website. We are not responsible for the privacy practices of third parties, even if our website links to those parties' websites.</p>	<p>International Users. By providing us with your information, you consent to its transfer, processing and storage outside of your country of residence, as well as the fact that we will handle such information consistent with this Privacy Notice.</p>
<p>The California Online Privacy Protection Act. Some FNF companies provide services to mortgage loan servicers and, in some cases, their websites collect information on behalf of mortgage loan servicers. The mortgage loan servicer is responsible for taking action or making changes to any consumer information submitted through those websites.</p>	
<p>Your Consent To This Privacy Notice. By submitting information to us or by using our website, you are accepting and agreeing to the terms of this Privacy Notice.</p>	<p>Access and Correction; Contact Us. If you desire to contact us regarding this notice or your information, please contact us at privacy@fnf.com or as directed at the end of this Privacy Notice.</p>

FIDELITY NATIONAL FINANCIAL, INC. PRIVACY NOTICE

Fidelity National Financial, Inc. and its majority-owned subsidiary companies providing title insurance, real estate- and loan-related services (collectively, “FNF”, “our” or “we”) respect and are committed to protecting your privacy. We will take reasonable steps to ensure that your Personal Information and Browsing Information will only be used in compliance with this Privacy Notice and applicable laws. This Privacy Notice is only in effect for Personal Information and Browsing Information collected and/or owned by or on behalf of FNF, including Personal Information and Browsing Information collected through any FNF website, online service or application (collectively, the “Website”).

Types of Information Collected

We may collect two types of information from you: Personal Information and Browsing Information.

Personal Information. FNF may collect the following categories of Personal Information:

- contact information (e.g., name, address, phone number, email address);
- demographic information (e.g., date of birth, gender, marital status);
- social security number (SSN), driver’s license, passport, and other government ID numbers;
- financial account information; and
- other personal information needed from you to provide title insurance, real estate- and loan-related services to you.

Browsing Information. FNF may collect the following categories of Browsing Information:

- Internet Protocol (or IP) address or device ID/UDID, protocol and sequence information;
- browser language and type;
- domain name system requests;
- browsing history, such as time spent at a domain, time and date of your visit and number of clicks;
- http headers, application client and server banners; and
- operating system and fingerprinting data.

How Information is Collected

In the course of our business, we may collect *Personal Information* about you from the following sources:

- applications or other forms we receive from you or your authorized representative;
- the correspondence you and others send to us;
- information we receive through the Website;
- information about your transactions with, or services performed by, us, our affiliates or nonaffiliated third parties; and
- information from consumer or other reporting agencies and public records maintained by governmental entities that we obtain directly from those entities, our affiliates or others.

If you visit or use our Website, we may collect *Browsing Information* from you as follows:

- Browser Log Files. Our servers automatically log each visitor to the Website and collect and record certain browsing information about each visitor. The Browsing Information includes generic information and reveals nothing personal about the user.
- Cookies. When you visit our Website, a “cookie” may be sent to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer’s hard drive. When you visit a website again, the cookie allows the website to recognize your computer. Cookies may store user preferences and other information. You can choose whether or not to accept cookies by changing your Internet browser settings, which may impair or limit some functionality of the Website.

Use of Collected Information

Information collected by FNF is used for three main purposes:

- To provide products and services to you or any affiliate or third party who is obtaining services on your behalf or in connection with a transaction involving you.
- To improve our products and services.
- To communicate with you and to inform you about our, our affiliates’ and third parties’ products and services, jointly or independently.

When Information Is Disclosed

We may provide your Personal Information (excluding information we receive from consumer or other credit reporting agencies) and Browsing Information to various individuals and companies, as permitted by law, without obtaining your prior authorization. Such laws do not allow consumers to restrict these disclosures. Please see the section “Choices With Your Personal Information” to learn how to limit the discretionary disclosure of your Personal Information and Browsing Information.

Disclosures of your Personal Information may be made to the following categories of affiliates and nonaffiliated third parties:

- to third parties to provide you with services you have requested, and to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure;
- to our affiliate financial service providers for their use to market their products or services to you;
- to nonaffiliated third party service providers who provide or perform services on our behalf and use the disclosed information only in connection with such services;
- to nonaffiliated third party service providers with whom we perform joint marketing, pursuant to an agreement with them to market financial products or services to you;
- to law enforcement or other governmental authority in connection with an investigation, or civil or criminal subpoena or court order;
- to lenders, lien holders, judgment creditors, or other parties claiming an interest in title whose claim or interest must be determined, settled, paid, or released prior to closing; and

- other third parties for whom you have given us written authorization to disclose your Personal Information.

We may disclose Personal Information and/or Browsing Information when required by law or in the good-faith belief that such disclosure is necessary to:

- comply with a legal process or applicable laws;
- enforce this Privacy Notice;
- investigate or respond to claims that any material, document, image, graphic, logo, design, audio, video or any other information provided by you violates the rights of a third party; or
- protect the rights, property or personal safety of FNF, its users or the public.

We maintain reasonable safeguards to keep your Personal Information secure. When we provide Personal Information to our affiliates or third party service providers as discussed in this Privacy Notice, we expect that these parties process such information in compliance with our Privacy Notice or in a manner that is in compliance with applicable privacy laws. The use of your information by a business partner may be subject to that party's own Privacy Notice. Unless permitted by law, we do not disclose information we collect from consumer or credit reporting agencies with our affiliates or others without your consent.

We reserve the right to transfer your Personal Information, Browsing Information, and any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets, or in the event of our bankruptcy, reorganization, insolvency, receivership or an assignment for the benefit of creditors. You expressly agree and consent to the use and/or transfer of the foregoing information in connection with any of the above described proceedings. We cannot and will not be responsible for any breach of security by a third party or for any actions of any third party that receives any of the information that is disclosed to us.

Choices With Your Information

Whether you submit Personal Information or Browsing Information to FNF is entirely up to you. If you decide not to submit Personal Information or Browsing Information, FNF may not be able to provide certain services or products to you. The uses of your Personal Information and/or Browsing Information that, by law, you cannot limit, include:

- for our everyday business purposes – to process your transactions, maintain your account(s), to respond to law enforcement or other governmental authority in connection with an investigation, or civil or criminal subpoenas or court orders, or report to credit bureaus;
- for our own marketing purposes;
- for joint marketing with financial companies; and
- for our affiliates' everyday business purposes – information about your transactions and experiences.

You may choose to prevent FNF from disclosing or using your Personal Information and/or Browsing Information under the following circumstances ("opt-out"):

- for our affiliates' everyday business purposes – information about your creditworthiness; and
- for our affiliates to market to you.

To the extent permitted above, you may opt-out of disclosure or use of your Personal Information and Browsing Information by notifying us by one of the methods at the end of this Privacy Notice. We do not share your personal information with non-affiliates for their direct marketing purposes.

For California Residents: We will not share your Personal Information and Browsing Information with nonaffiliated third parties, except as permitted by California law. Currently, our policy is that we do not recognize "do not track" requests from Internet browsers and similar devices.

For Nevada Residents: You may be placed on our internal Do Not Call List by calling (888) 934-3354 or by contacting us via the information set forth at the end of this Privacy Notice. Nevada law requires that we also provide you with the following contact information: Bureau of Consumer Protection, Office of the Nevada Attorney General, 555 E. Washington St., Suite 3900, Las Vegas, NV 89101; Phone number: (702) 486-3132; email: BCPINFO@ag.state.nv.us.

For Oregon Residents: We will not share your Personal Information and Browsing Information with nonaffiliated third parties for marketing purposes, except after you have been informed by us of such sharing and had an opportunity to indicate that you do not want a disclosure made for marketing purposes.

For Vermont Residents: We will not share your Personal Information and Browsing Information with nonaffiliated third parties, except as permitted by Vermont law, such as to process your transactions or to maintain your account. In addition, we will not share information about your creditworthiness with our affiliates except with your authorization. For joint marketing in Vermont, we will only disclose your name, contact information and information about your transactions.

Information From Children

The Website is meant for adults and is not intended or designed to attract children under the age of thirteen (13). We do not collect Personal Information from any person that we know to be under the age of thirteen (13) without permission from a parent or guardian. By using the Website, you affirm that you are over the age of 13 and will abide by the terms of this Privacy Notice.

Privacy Outside the Website

The Website may contain links to other websites. FNF is not and cannot be responsible for the privacy practices or the content of any of those other websites.

International Users

FNF's headquarters is located within the United States. If you reside outside the United States or are a citizen of the European Union, please note that we may transfer your Personal Information and/or Browsing Information outside of your country of residence or the European Union for any of the purposes described in this Privacy Notice. By providing FNF with your Personal Information and/or Browsing Information, you consent to our collection and transfer of such information in accordance with this Privacy Notice.

The California Online Privacy Protection Act

For some FNF websites, such as the Customer CareNet (“CCN”), FNF is acting as a third party service provider to a mortgage loan servicer. In those instances, we may collect certain information on behalf of that mortgage loan servicer via the website. The information which we may collect on behalf of the mortgage loan servicer is as follows:

- first and last name;
- property address;
- user name and password;
- loan number;
- social security number - masked upon entry;
- email address;
- three security questions and answers; and
- IP address.

The information you submit through the website is then transferred to your mortgage loan servicer by way of CCN. **The mortgage loan servicer is responsible for taking action or making changes to any consumer information submitted through this website. For example, if you believe that your payment or user information is incorrect, you must contact your mortgage loan servicer.**

CCN does not share consumer information with third parties, other than (1) those with which the mortgage loan servicer has contracted to interface with the CCN application, or (2) law enforcement or other governmental authority in connection with an investigation, or civil or criminal subpoenas or court orders. All sections of this Privacy Notice apply to your interaction with CCN, except for the sections titled “Choices with Your Information” and “Access and Correction.” If you have questions regarding the choices you have with regard to your personal information or how to access or correct your personal information, you should contact your mortgage loan servicer.

Your Consent To This Privacy Notice

By submitting Personal Information and/or Browsing Information to FNF, you consent to the collection and use of the information by us in compliance with this Privacy Notice. Amendments to the Privacy Notice will be posted on the Website. Each time you provide information to us, or we receive information about you, following any amendment of this Privacy Notice will signify your assent to and acceptance of its revised terms for all previously collected information and information collected from you in the future. We may use comments, information or feedback that you submit to us in any manner that we may choose without notice or compensation to you.

Accessing and Correcting Information; Contact Us

If you have questions, would like to access or correct your Personal Information, or want to opt-out of information sharing with our affiliates for their marketing purposes, please send your requests to privacy@fnf.com or by mail or phone to:

Fidelity National Financial, Inc.
601 Riverside Avenue
Jacksonville, Florida 32204
Attn: Chief Privacy Officer
(888) 934-3354

Notice of Available Discounts

Pursuant to Section 2355.3 in Title 10 of the California Code of Regulations Fidelity National Financial, Inc. and its subsidiaries ("FNF") must deliver a notice of each discount available under our current rate filing along with the delivery of escrow instructions, a preliminary report or commitment. Please be aware that the provision of this notice does not constitute a waiver of the consumer's right to be charged the field rate. As such, your transaction may not qualify for the below discounts.

You are encouraged to discuss the applicability of one or more of the below discounts with a Company representative. These discounts are generally described below; consult the rate manual for a full description of the terms, conditions and requirements for each discount. These discounts only apply to transaction involving services rendered by the FNF Family of Companies. This notice only applies to transactions involving property improved with a one-to-four family residential dwelling.

FNF Underwritten Title Company

CTC - Chicago Title Company

FNF Underwriter

CTIC - Chicago Title Insurance Company

Available Discounts

CREDIT FOR PRELIMINARY REPORTS AND/OR COMMITMENTS ON SUBSEQUENT POLICIES (CTIC)

Where no major change in the title has occurred since the issuance of the original report or commitment, the order may be reopened within 12 months and all or a portion of the charge previously paid for the report or commitment may be credited on a subsequent policy charge within the following time period from the date of the report.

DISASTER LOANS (CTIC)

The charge for a lender's Policy (Standard or Extended coverage) covering the financing or refinancing by an owner of record, within 24 months of the date of a declaration of a disaster area by the government of the United States or the State of California on any land located in said area, which was partially or totally destroyed in the disaster, will be 50% of the appropriate title insurance rate.

CHURCHES OR CHARITABLE NON-PROFIT ORGANIZATIONS (CTIC)

On properties used as a church or for charitable purposes within the scope of the normal activities of such entities, provided said charge is normally the church's obligation the charge for an owner's policy shall be 50% to 70% of the appropriate title insurance rate, depending on the type of coverage selected. The charge for a lender's policy shall be 40% to 50% of the appropriate title insurance rate, depending on the type of coverage selected.

EMPLOYEE RATE (CTC and CTIC)

No charge shall be made to employees (including employees on approved retirement) of the Company or its underwritten, subsidiary title companies for policies or escrow services in connection with financing, refinancing, sale or purchase of the employees' bona fide home property. Waiver of such charges is authorized only in connection with those costs which the employee would be obligated to pay, by established custom, as a party to the transaction.

ATTACHMENT ONE

**CALIFORNIA LAND TITLE ASSOCIATION
STANDARD COVERAGE POLICY – 1990**

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
- (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
 - (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
 - (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
 - (c) resulting in no loss or damage to the insured claimant;
 - (d) attaching or created subsequent to Date of Policy; or
 - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

**CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13)
ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE**

EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - a. building;
 - b. zoning;
 - c. land use;
 - d. improvements on the Land;
 - e. land division; and
 - f. environmental protection.

This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.

2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
 - a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;

- c. that result in no loss to You; or
 - d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
5. Failure to pay value for Your Title.
 6. Lack of a right:
 - a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - b. in streets, alleys, or waterways that touch the Land.
 This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
 7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.
 8. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
 9. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:

- For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
Covered Risk 16:	1.00% % of Policy Amount Shown in Schedule A or \$2,500.00 (whichever is less)	\$ 10,000.00
Covered Risk 18:	1.00% % of Policy Amount Shown in Schedule A or \$5,000.00 (whichever is less)	\$ 25,000.00
Covered Risk 19:	1.00% of Policy Amount Shown in Schedule A or \$5,000.00 (whichever is less)	\$ 25,000.00
Covered Risk 21:	1.00% of Policy Amount Shown in Schedule A or \$2,500.00 (whichever is less)	\$ 5,000.00

2006 ALTA LOAN POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13 or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

(Except as provided in Schedule B - Part II, (t(or T)his policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

(PART I

(The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.

PART II

In addition to the matters set forth in Part I of this Schedule, the Title is subject to the following matters, and the Company insures against loss or damage sustained in the event that they are not subordinate to the lien of the Insured Mortgage:)

2006 ALTA OWNER'S POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
 - (a) a fraudulent conveyance or fraudulent transfer; or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

(The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown in the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.
7. (Variable exceptions such as taxes, easements, CC&R's, etc. shown here.)

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (12-02-13)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury, or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.
10. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
11. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

Insert Map here

OWNER'S DECLARATION

The undersigned hereby declares as follows:

1. (Fill in the applicable paragraph and strike the other)
 - a. Declarant ("Owner") is the owner or lessee, as the case may be, of certain premises located at _____, further described as follows: See Preliminary Report/Commitment No. 00078486-016-NJ-DB for full legal description (the "Land").
 - b. Declarant is the _____ of _____ ("Owner"), which is the owner or lessee, as the case may be, of certain premises located at _____, further described as follows: See Preliminary Report/Commitment No. 00078486-016-NJ-DB for full legal description (the "Land").
2. (Fill in the applicable paragraph and strike the other)
 - a. During the period of six months immediately preceding the date of this declaration no work has been done, no surveys or architectural or engineering plans have been prepared, and no materials have been furnished in connection with the erection, equipment, repair, protection or removal of any building or other structure on the Land or in connection with the improvement of the Land in any manner whatsoever.
 - b. During the period of six months immediately preceding the date of this declaration certain work has been done and materials furnished in connection with _____ upon the Land in the approximate total sum of \$_____, but no work whatever remains to be done and no materials remain to be furnished to complete the construction in full compliance with the plans and specifications, nor are there any unpaid bills incurred for labor and materials used in making such improvements or repairs upon the Land, or for the services of architects, surveyors or engineers, except as follows: _____. Owner, by the undersigned Declarant, agrees to and does hereby indemnify and hold harmless Chicago Title Company against any and all claims arising therefrom.
3. Owner has not previously conveyed the Land; is not a debtor in bankruptcy (and if a partnership, the general partner thereof is not a debtor in bankruptcy); and has not received notice of any pending court action affecting the title to the Land.
4. Except as shown in the above-referenced Preliminary Report/Commitment, there are no unpaid or unsatisfied mortgages, deeds of trust, Uniform Commercial Code financing statements, regular assessments, special assessments, periodic assessments or any assessment from any source, claims of lien, special assessments, or taxes that constitute a lien against the Land or that affect the Land but have not been recorded in the public records. There are no violations of the covenants, conditions and restrictions as shown in the above-referenced Preliminary Report/Commitment.
5. The Land is currently in use as _____; _____ occupy/occupies the Land; and the following are all of the leases or other occupancy rights affecting the Land:

6. There are no other persons or entities that assert an ownership interest in the Land, nor are there unrecorded easements, claims of easement, or boundary disputes that affect the Land.
7. There are no outstanding options to purchase or rights of first refusal affecting the Land.

This declaration is made with the intention that Chicago Title Company (the "Company") and its policy issuing agents will rely upon it in issuing their title insurance policies and endorsements. Owner, by the undersigned Declarant, agrees to indemnify the Company against loss or damage (including attorneys fees, expenses, and costs) incurred by the Company as a result of any untrue statement made herein.

I declare under penalty of perjury that the foregoing is true and correct and that this declaration was executed on ____ at _____.

Signature: _____

Lindsey Dandridge-Perry

From: Public Records <records@victorvilleca.gov>
Sent: Monday, May 14, 2018 5:18 PM
To: Lindsey Dandridge-Perry
Subject: Public Records Request - Building Permits
Attachments: PRR - Lindsey Dandridge-Perry Permit.pdf

External Email.

Attached please find the documents responsive to your public records request dated 5/1/18 as provided by the responsible department. Please note that the APN on the document was the primary APN for the property you have requested permits for. If you have further questions, please contact our Building Department at 760-955-5100. This request is now closed.

Thank you,



Heidi Roche
Deputy City Clerk
760.955.5188 - hroche@victorvilleca.gov
CITY MANAGEMENT
CITY CLERK | RISK MANAGEMENT | UTILITIES ADMIN

Case Information Summary

Case #: PMT08-00738

Status: ISS

APN: 0395-361-07

Issued Date: 08/14/2008

Expiration Date: 02/14/2009

VICTORVILLE, CA 92394

Activity	Description	Date 1	Activity			Disp	Hold Level	Updated	
			Date 2	Date 3				By	Date
PMTB105	Plan Submittal Label	8/14/2008		8/14/2008	DONE	None	DNC	8/14/2008	
PMTB011	Plan Rtg	8/14/2008	9/3/2008	8/14/2008	DONE	None	DNC	8/14/2008	
PMTBB25	Plan Rtg to Building Dept	8/14/2008		8/14/2008	DONE	None	DNC	8/14/2008	
PMTBB92	Plan Rtg to Planning Dept	8/14/2008		8/14/2008	CANC	None	DNC	8/14/2008	
PMTBB80	Plan Rtg to Engineering Dept	8/14/2008		8/14/2008	CANC	None	DNC	8/14/2008	
PMTBB30	Building Dept Review	8/14/2008	9/3/2008	8/14/2008	DONE	HwO	DNC	8/14/2008	
PMTB030	Building Dept to Plan Rtg	8/14/2008		8/14/2008	DONE	None	DNC	8/14/2008	
PMTB200	Plan Approved Letter	8/14/2008		8/14/2008	DONE	None	DNC	8/14/2008	
PMTEE100	Issue Permit	8/14/2008		8/14/2008	DONE	None	DNC	8/14/2008	

Fee Type	Description	Trans Code	Fees Revenue Account No.	Create Date	Created By	Amt. Due
----------	-------------	------------	--------------------------	-------------	------------	----------

Role Type	Name Address	Case People Listing			Hold	Primary
			Company Name			
OWN	CIVIC ROGERS, LLC 3 IMPERIAL PROMENADE STE 550 SANTA ANA, CA 92707				None	Y

Description
FOR INSPECTION PURPOSES ONLY, ROUGH GRADING ENG08-00018



SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street • San Bernardino, CA 92415-0153 • (909) 386-8401 • Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Division
sbcfire.org

Mark A. Hartwig
Fire Chief/Fire Warden

Michael A. Horton
Fire Marshal

May 10, 2018

18050201 Victorville Nrl Kleinfelder

KLEINFELDER
24411 RIDGE ROUTE DRIVE, SUITE 225
LAGUNA HILLS, CA 92653

ATTENTION: LINDSEY DANDRIDGE-PERRY

SUBJECT: CERTIFIED RECORD SEARCH FINDINGS
APN #S: 3106-261-26-0000, 3106-261-27-0000, 3106-261-28-0000, 3106-261-29-0000,
VICTORVILLE, CALIFORNIA

This is to confirm that the OFM Hazardous Materials Division (HMD) has searched its records for any file(s) pertaining to the subject property, as described in your request, and finds no records exist for the above site description(s).

Records maintained by OFM-HMD date back to mid-1980's (1984 for some underground storage tanks). Records searched include:

- facilities with hazardous waste generator permits, hazardous materials handler permits, underground storage tank permits, universal waste permits, tiered permits, EPCRA facilities, RMP facilities, Cal ARP facilities, and/or waste recycling generators, including inactive and/or out of business records, as well as non-permitted facility actions;
- logs of permits issued for the removal, installation, and/or modification of underground storage tanks;
- records and databases pertaining to illicit dumping, spill reports and release notifications, and complaints;
- incidents responded to by the hazardous materials emergency response team;
- and sites undergoing remediation for contaminated soil and/or groundwater.

Donna Juday

DONNA JUDAY
Office Specialist
Office of the Fire Marshal
Hazardous Materials Division

BOARD OF DIRECTORS

Robert A. Lovingood
Chairman, First District

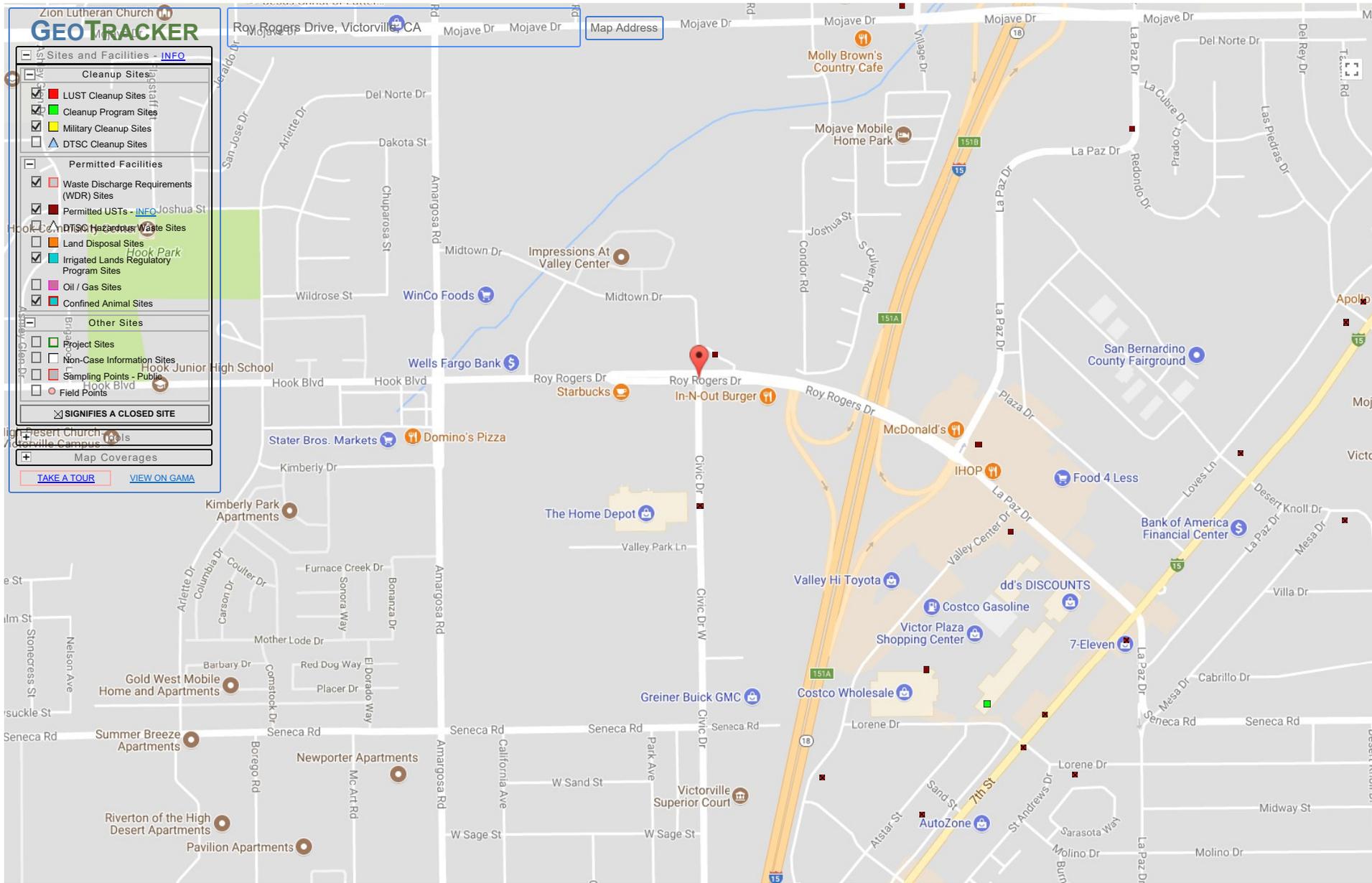
Janice Rutherford
Second District

James Ramos
Third District

Curt Hagman
Vice Chairman, Fourth District

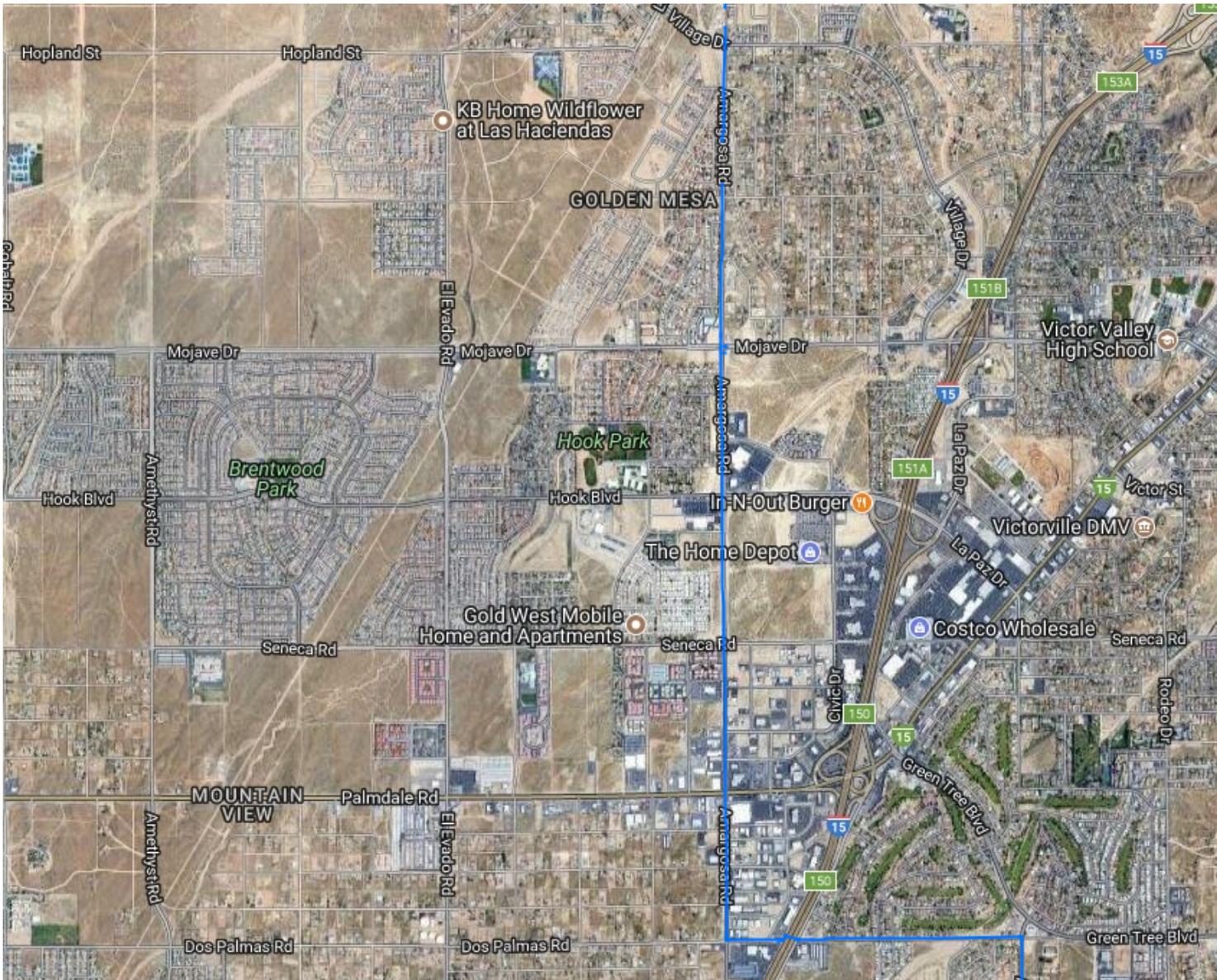
Josie Gonzales
Fifth District

Gary McBride
Chief Executive Officer



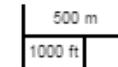
100 m Map data ©2018 Google

SITES CURRENTLY VISIBLE ON MAP



Legend

- Accidents (Liquid)
- Incidents (Gas)
- Gas Transmission Pipelines
- Hazardous Liquid Pipelines



Pipelines depicted on this map represent gas transmission and hazardous liquid lines only. Gas gathering and gas distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

Questions regarding this map or its contents can be directed to npms@dot.gov.

Projection: Geographic

Datum: NAD83

Map produced by the Public Viewer application at www.npms.phmsa.dot.gov

Date Printed: Apr 30, 2018



ENVIROSTOR

Sites and Facilities

Cleanup Sites

- Federal Superfund
- State Response
- Voluntary Cleanup
- School Cleanup
- Evaluation
- School Investigation
- Military Evaluation
- Tiered Permit
- Corrective Action

STATUS

[All Statuses](#)

Permitted Sites

- Operating
- Post-Closure
- Non-Operating

Other Sites

GIS Layers



SITES CURRENTLY VISIBLE ON MAP 7 SITES LISTED [EXPORT THIS LIST TO EXCEL](#)

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
13.51 ACRE SCHOOL SITE	NO FURTHER ACTION	SCHOOL INVESTIGATION	AMETHYST ROAD/SENECA ROAD	VICTORVILLE
BRENTWOOD ELEMENTARY ANNEXATION	NO ACTION REQUIRED	SCHOOL INVESTIGATION	13962 HOOK BOULEVARD	VICTORVILLE
GREEN TREE EAST SPECIAL EDUCATION	NO ACTION REQUIRED	SCHOOL INVESTIGATION	MEADOW GROVE DRIVE/GIBRALTAR DRIVE	VICTORVILLE
NEW SYCAMORE ELEMENTARY SCHOOL	NO ACTION REQUIRED	SCHOOL INVESTIGATION	COBALT ROAD/CACTUS ROAD	ADELANTO
PROPOSED ELEMENTARY SCHOOL NO. 20	NO ACTION REQUIRED	SCHOOL INVESTIGATION	NW OF INTERSECTION OF MOJAVE DR. & EL EVADO RD.	VICTORVILLE
SENECA ELEMENTARY SCHOOL	NO ACTION REQUIRED	SCHOOL INVESTIGATION	SENECA ROAD/DEL GADO ROAD	VICTORVILLE
VICTORVILLE COMMUNITY DAY SCHOOL	NO ACTION REQUIRED	SCHOOL INVESTIGATION	CORTA DRIVE/CORTA PLACE	VICTORVILLE

- [All](#)
- [Company](#)
- [Facility](#)
- [Permit](#)

Q Facility

Facility

Company

Street

City

Postal Code

Advanced Search^

Facility Search Results

1 - 3 of 3 results found matching search criteria of "Civic Drive street:Civic Drive city:Victorville"

[Export All Results](#)

[Export Current Results](#)

Facility ID	Facility Name	Street	City	Postal Code	Phone Number	Number of Permits
1119	SBCo - Victorville Sheriff Substation	14455 Civic Drive	Victorville	92392	909-387-2828	2
1656	Victorville - City Offices	14343 Civic Drive	Victorville	92392	760-955-5258	3
1751	SBCo - Victorville Courts	14455 Civic Drive	Victorville	92392	909-387-2234	1

- [Prev](#)
- [1](#)
- [Next](#)

[Apply for a New Permit](#) | [View Recent Evaluations](#) | [Contact Us](#) | [MDAQMD Official Website](#)

Mojave Desert Air Quality Management District, | Tel: () -

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3,012 facilities registered last updated 15:39:17

9,970 permits in 2,085 companies



Division of Oil, Gas & Geothermal Resources - Well Finder

Find By Location

Find My Current Location

or

Street: 14617 Civic Drive

City: Victorville

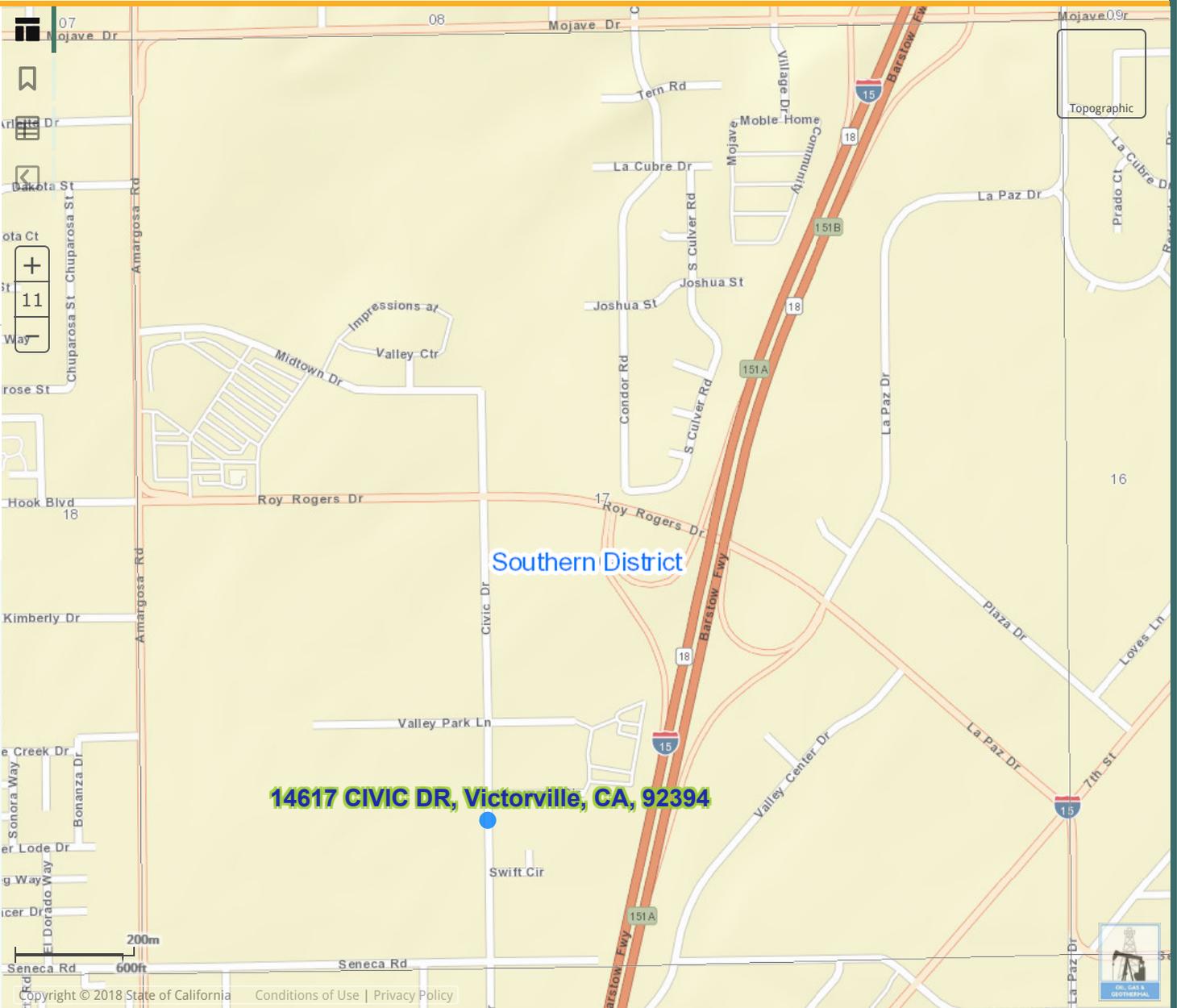
Zip: 92394

Display a 1500 foot buffer

Buffer radius is limited to 10 mi (52800ft).

- Find By API
- Find By Lat, Long
- Find By PLSS
- Find By Oil/Gas Field

- Data (Layers):
- Notices & Permits
 - DOGGR Wells
 - Label: API# Well# Detailed
 - EPA Wells for Aquifer Exemption Review
 - Enhanced Oil Recovery Wells
 - Disposal Wells
 - TR26 Onshore Seeps
 - Oil/Gas Fields
 - California Geologic Map
 - DOGGR Districts
 - Public Land Survey System
 - Cities
 - State Assembly Districts
 - State Senate Districts
 - Congressional Districts



Counties

[DOC Services](#)



**PHASE I ENVIRONMENTAL
SITE ASSESSMENT
DESERT OASIS – PHASE 3
SEC OF CIVIC DRIVE
AND ROY ROGERS DRIVE
VICTORVILLE, CALIFORNIA**

Project No. 12408061
December 4, 2008

Prepared for:
CIVIC ROGERS, LLC
3 MacArthur Place
Suite 550
South Coast Metro, California 92707

Prepared by:
Krazan & Associates, Inc.
43379 Business Park Drive
Suite 300
Temecula, California 92590
(951) 694-0601

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Project No. 12408061

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Maps

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Color Photographs

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Appendices

Environmental Data Resources, Inc. (EDR) Sanborn Fire Insurance Map	
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EDR Radius Map Report	Appendix B



GEOTECHNICAL ENGINEERING • ENVIRONMENTAL ENGINEERING
CONSTRUCTION TESTING & INSPECTION

December 4, 2008

Project No. 12408061

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
DESERT OASIS – PHASE 3
SEC OF CIVIC DRIVE AND ROY ROGERS DRIVE
VICTORVILLE, CALIFORNIA 92394**

1.0 EXECUTIVE SUMMARY

Krazan & Associates, Inc. (Krazan) has conducted a Phase I Environmental Site Assessment (ESA) of the proposed Desert Oasis-Phase 3 site located at the southeast corner of Civic Drive and Roy Rogers Drive, in the city of Victorville, California (subject site). Krazan conducted the Phase I ESA of the subject site in conformance with the American Society for Testing and Materials (ASTM) E1527-00 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The Phase I ESA constitutes appropriate inquiry designed to identify recognized environmental conditions (RECs) in connection with the previous ownership and uses of the subject site as defined by ASTM E1527-00.

ASTM E1527-00 Section 1.1.1 *Recognized Environmental Conditions* – The term *recognized environmental conditions* means the presence or likely presence of any *hazardous substances* or *petroleum products* on a *property* under conditions that indicate an existing release, a past release, or a material threat of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, groundwater, or surface water on the *property*. The term includes *hazardous substances* or *petroleum products* even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public 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*.

Krazan's findings of this Phase I ESA revealed no evidence of RECs in connection with the subject site.

2.0 PURPOSE AND SCOPE OF ASSESSMENT

2.1 Purpose

This Phase I ESA is designed to identify the presence of RECs in connection with the subject site through the research of previous and current ownership and uses of the subject site. Additionally, the purpose of the Phase I ESA is to permit the user to address one of the requirements to qualify for what is commonly known as the "innocent landowner" defense to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability as described by 42 U.S.C. Section 9601 (35)(B).

2.2 Scope of Work

The Phase I ESA includes the following scope of work: a) a review of local regulatory agency records, b) a review of local, state, and federal regulatory agency lists compiled by Environmental Data Resources, Inc. (EDR), c) a review of historical aerial photographs, d) a review of pertinent building permit records e) a site reconnaissance of existing on-site conditions and observations of adjacent property uses, and f) interview(s) with person(s) knowledgeable of the previous and current ownership and uses of the subject site. The scope of work for this Phase I ESA conforms to ASTM E1527-00. Krazan was provided written authorization to conduct the Phase I ESA by CIVIC ROGERS, LLC.

3.0 SITE DESCRIPTION

General property information and property use are summarized in Table I. Refer to the Vicinity Map (Figure No. 1) located after the Reference Section.

TABLE I
Summary of Property Information

Topographic Map:	U.S. Geological Survey, 7.5 minute Victorville, California topographic quadrangle map, dated 1993.
Topography:	Relatively flat, approximately 2941 feet above mean sea level
General Location:	Southeast corner of Civic Drive and Roy Rogers Drive
Assessor's Parcel Number(s):	-----
Approximate Depth to Groundwater:	Approximately 200 feet below ground surface (bgs),
Regional Groundwater Flow Direction:	East, Northeast
Existing Use:	Vacant Land

3.1 Geology and Hydrogeology

The subject site is located in Victor Valley, which is situated in the southwestern portion of the Mojave Desert Geomorphic Province. The Mojave Desert is bound by the Tehachapi Mountains of the Sierra Nevada Geomorphic Province to the northwest and the San Gabriel and San Bernardino Mountains of the Transverse Range Geomorphic Province to the south and southwest. A major portion of the Mojave

Desert is underlain by Mesozoic granitic rocks. Quaternary alluvium covers a majority of the Victor Valley floor.

Both the Tehachapi and the San Gabriel mountain ranges are geologically young mountain ranges and possess active and potentially active fault zones. Numerous moderate to large earthquakes have affected the area of the subject site within historic time. Based on the proximity of several dominant active faults and seismogenic structures, as well as the historic seismic record, the area of the subject site is considered subject to relatively high seismicity.

4.0 SITE RECONNAISSANCE

A site reconnaissance, which included a visual observation of the subject site and surrounding properties, was conducted by Krazan's environmental assessor on December 1, 2008. Krazan's assessor was unaccompanied during the site reconnaissance. The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions, including hazardous substances and petroleum products, in connection with the property (including soils, surface waters, and groundwater).

4.1 Observations

Table II summarizes conditions encountered during our site reconnaissance. A discussion of visual observations follows Table II. Refer to the Site Map (Figure No. 2) and color photographs following the text for the locations of items discussed in this section of the report.

TABLE II
Summary of Site Reconnaissance

Feature	Observed	Not Observed
Structures (existing)		X
Evidence of past uses (foundations, debris)		X
Hazardous substances and/or petroleum products (including containers)		X
Aboveground storage tanks (ASTs)		X
Underground storage tanks (USTs) or evidence of USTs		X
Evidence of Underground Pipelines		X
Strong, pungent, or noxious odors		X
Pools of liquid likely to be hazardous materials or petroleum products		X
Drums		X
Unidentified substance containers		X
Potential polychlorinated biphenyl (PCB) containing equipment		X
Subsurface hydraulic equipment		X
Heating/ventilation/air conditioning (HVAC)		X
Stains or corrosion on floors, walls, or ceilings		X
Floor drains and sumps		X
Storm Drains		X
Pits, ponds, or lagoons		X

Stained soil and/or pavement		X
Soil Piles	X	
Stressed vegetation		X
Waste or wastewater discharges to surface or surface waters on subject site (including stormwater)		X
Wells (irrigation, domestic, dry, injection, abandoned, monitoring wells)		X
Septic Systems		X

The subject site has recently been graded to establish relatively flat building pads. A soil stockpile is located roughly in the center of the subject site. Refer to Figure No. 2, Site Map for locations of additional site features.

During the visual observations of the subject site, no hazardous materials/waste were observed. Exposed surface soils did not exhibit obvious signs of discoloration. No obvious evidence (vent pipes, fill pipes, dispensers, etc.) of USTs was noted within the areas observed. No standing water or major depressions were observed on the subject site. No indications of former structures, such as foundations, were observed on the subject site.

4.2 Adjacent Streets and Property Usage

Table III summarizes the current adjacent roads and adjacent property uses observed during the site reconnaissance.

TABLE III
Adjacent Streets and Property Use

Direction	Adjacent Street	Adjacent Property Use
North	None	New Retail Construction and Auto Dealerships Beyond
South	Roy Rogers Drive	Retail Shopping Center and Vacant Land
West	Civic Drive	Vacant. Retail Beyond
East	Interstate 15	Retail Shopping Center Beyond

Based on the observed uses of the properties located immediately adjacent to the subject site, it is unlikely that significant quantities of hazardous materials are stored at the immediately adjacent properties. It is likely, however, that quantities of hazardous materials are stored at the property located northwest of the subject site, beyond Roy Rogers Drive.

4.3 Asbestos-Containing Building Materials

No former structures were located on the subject site. Therefore, asbestos-containing building materials (ACBMs) are not considered an on-site environmental concern at this time.

4.4 Lead-Based Paint

No former structures were located on the subject site. Therefore, lead based paints are not considered an on-site environmental concern at this time.

4.5 Radon

Although the DHS radon survey was conducted in residences and not in commercial properties, the radon concentrations in the geographical region of the subject site average is below 4 pCi/l, therefore, no evidence was reviewed to indicate that elevated concentrations of radon gas currently would adversely impact the subject site. However, a Radon Survey was not included with the scope of work for this assessment. Consequently, in order to determine the concentrations of potential radon gas at the subject site, a Radon Survey could be conducted following the redevelopment of the subject site.

4.6 Potable Water Source

Krazan's research indicates that no potable water has been historically supplied to the subject site. However, the water purveyor for the subject site vicinity is the City of Victorville. Water quality monitoring is an on-going program with water samples obtained on a regular basis. It is the responsibility of the local purveyor to provide customers with potable water in compliance with the California State Maximum Contaminant Levels (MCLs) for primary drinking water constituents in water supplied to the public.

4.7 Sewage Disposal System

Krazan's research indicates that no sewage disposal systems have historically serviced the subject site.

5.0 SITE USAGE SURVEY

The property usage survey included assessing property history, and reviewing local, state, and federal regulatory agency records.

5.1 Site History

A review of previous environmental assessments, historical aerial photographs, contacts with the City/County Building Department, Sanborn Fire Insurance Maps (SFIMs), and a Phase I ESA interview(s) were conducted to assess the history of the subject site.

Aerial Photograph Interpretation

Historical aerial photographs dated 1953, 1968, 1980, 1989, 1994, 2002, and 2005 were reviewed to assess the history of the subject site. These photographs were obtained from the Environmental Data Resources, Inc., (EDR), Fairchild Aerial Photograph Collection. Aerial photograph coverage for the years prior to 1953 was not reasonably ascertainable or available. The aerial photograph summary is provided below in Table IV.

TABLE IV
Summary of Aerial Photograph Review

Year/Scale	Site Use	Site and Adjacent Property Observation
1953 1" = 555'	Undeveloped	The subject site is undeveloped. The adjacent properties and surrounding areas appear to be undeveloped as well.
1968 1" = 555'	Undeveloped	The subject site is undeveloped. The adjacent properties remain undeveloped and vacant as well. It appears as though isolated residential development has taken place
1980 1" = 600'	Undeveloped.	The subject site remains in similar condition as previous photo.
1989 1" = 666'	Undeveloped	The subject site remains in similar condition as previous photo. Residential construction appears to have taken place in the surrounding area.
1994 1" = 666'	Undeveloped	The subject site remains undeveloped and in a similar condition to the previous photos. Roy Rogers Drive has been constructed along with access roads to Interstate 15.
2002 1" = 1,350'	Undeveloped	The subject site remains undeveloped. Development has taken place north of the subject site, beyond Roy Rogers Drive.
2005 1" = 666'	Undeveloped	The subject site remains undeveloped. Rough grading of the southern adjacent site appears to have taken place along with development of the parcels beyond to the south.

Building Department

On December 1, 2008, the local building department was visited to obtain previous building permit records for the subject site. According to representatives of the building department, permits are filed by street address; however, a street address has not been assigned to the subject site. Therefore, no permits for items such as underground storage tanks, septic systems, building, demolition, or previous structures are on file for the subject site.

On November 28, 2008, Krazan contracted with EDR to provide copies of available SFIMs for the subject site and the adjacent properties as far back as 1867. EDR's search of SFIMs revealed no coverage for the subject site and the adjacent properties. Refer to Appendix A for a copy of the EDR SFIM *Unmapped Property* Report.

5.2 Agricultural Chemicals

Review of historical aerial photographs reveals that the subject site has not been used for agricultural purposes. As a result, it is not anticipated that elevated concentrations of environmentally persistent pesticides/herbicides would be found in the near-surface soils of the subject site. It is not known if environmentally persistent pesticides have been applied to the subject site in the past. Generally, Krazan's sampling and analysis of surface soils from properties with similar histories has typically yielded non-

detectable results for analysis of environmentally persistent pesticides/herbicides. Therefore, the potential for elevated concentrations of environmentally persistent pesticides/herbicides to exist in the near-surface soils of the subject site, which would require regulatory action, is low.

5.3 Regulatory Agency Interface

A review of regulatory agency records was conducted to help determine if hazardous materials have been handled, stored, or generated on the subject site and/or the adjacent properties and businesses.

Regulatory records are reviewed based on the following criteria: 1) properties with known groundwater contamination that are located within 500 feet of the subject site; 2) properties that are adjacent or in proximity to the subject site included within the EDR report or noted during the site reconnaissance to possibly handle, store, or generate hazardous materials. Applicable property records are discussed below.

San Bernardino County Department of Environmental Health Services

On December 1, 2008 the San Bernardino County Department of Environmental Health Services (SBCDEHS) was contacted regarding potential records associated with USTs, leaking underground storage tanks (LUSTs), hazardous materials business plans (HMBPs) for the subject site and the adjacent properties. According to a representative of the SBCDEHS, no records of USTs/HMBPs/LUST are on file with the SBCDEHS for the subject site and/or the immediately adjacent properties.

California Regional Water Quality Control Board

Krazan's December 1, 2008 review of the California Regional Water Quality Control Board (RWQCB) Geotracker leaking underground fuel tank (LUFT) database available via the RWQCB Internet Website indicated that no record of LUFTs are on file with the RWQCB for the subject site or the adjacent properties.

California Environmental Protection Agency, Department of Toxic Substances Control

Krazan's December 1, 2008 review of the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) Envirostor California cleanup sites database available via the DTSC Internet Website which tracks federal superfund sites, state response sites, voluntary cleanup sites, and school cleanup sites, indicated that no records of cleanup sites are on file with the DTSC for the subject site, the adjacent properties, or properties located within one mile of the subject site.

5.4 Regulatory Agency Lists Review

Several agencies have published documents that list businesses or properties which have handled hazardous materials or waste or may have experienced site contamination. The lists consulted in the course of our assessment were compiled by EDR and Krazan on December 2, 2008, and represent reasonably ascertainable current listings. Krazan did not verify the locations and distances of every property listed by EDR. Krazan verified the location and distances of the properties Krazan deemed as having the potential to adversely impact the subject site. The actual location of the listed properties may differ from the EDR listing. Table V summarizes the listed properties located within the ASTM Search Radii. The actual distances of the listed properties (which are summarized in Table V) are based on observations during Krazan's site reconnaissance. No EDR-listed unmapped (orphan) sites were determined to be located on or adjacent to the subject site. The EDR Radius Map report is included in Appendix B.

TABLE V
Listed Properties

EDR Radius Map Summary						
Database	Type of Records	Subject Site	< 1/8 Mile	1/8 to 1/4 Mile	1/4 to 1/2 Mile	1/2 to 1 Mile
Federal Records:						
NPL	Sites for priority cleanup	0	0	0	0	0
Proposed NPL	Proposed NPL cleanup sites	0	0	0	0	0
Delisted NPL	NPL Deletions	0	0	0	0	0
NPL Liens	Federal Superfund Liens	0	---	---	---	---
CERCLIS	Database of potentially hazardous waste sites for possible inclusion on the NPL	0	0	0	0	---
CERC/NFRAP	Sites designated as No Further Action and removed from the CERCLIS	0	0	0	0	---
CORRACTS	RCRA Corrective Action Activity	0	0	0	0	0
RCRA-TSD	RCRA registered sites for transport, store and disposal	0	0	0	0	---
RCRA Lg. Quan. Gen.	RCRA registered large generators of hazardous waste facilities	0	0	0	---	---
RCRA Sm. Quan. Gen.	RCRA registered small generators of hazardous waste facilities	0	0	0	---	---
ERNS	Emergency Response Notification System of spills	0	---	---	---	---
HMIRS	HMIRS contains hazardous material spill incidents reported to DOT	0	---	---	---	---
US ENG CONTROLS	Engineering Controls Sites List	0	0	0	0	---
US INST CONTROL	Sites with institutional controls	0	0	0	0	---
DOD	Department of Defense Sites	0	0	0	0	0
FUDS	Formerly Used Defense Sites	0	0	0	0	0
US BROWNFIELDS	Brownfields Sites List	0	0	0	0	---
CONSENT	NPL Superfund list of sites after settlement of litigation matters	0	0	0	0	0
ROD	Records of Decision document sites aid in the cleanup of NPL sites	0	0	0	0	0
UMTRA	Uranium Mill Tailings Sites	0	0	0	0	---
ODI	Open Dump Inventory	0	0	0	0	---

TRIS	Toxic Release Inventory System database	0	---	---	---	---
TSCA	Identifies manufacturers and importers of chemical substances	0	---	---	---	---
FTTS	Tracking system of pesticide enforcement actions and compliance activities	0	---	---	---	---
SSTS	Section 7 Tracking System	0	---	---	---	---
LIENS 2	CERCLA Lien Information	0	---	---	---	---
RADINFO	Radiation Information Database	0	---	---	---	---
CDL	Clandestine Drug Lab	0	---	---	---	---
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	0	---	---	---	---
ICIS	Integrated Compliance Information System	0	---	---	---	---
LUCIS	Land Use Control Information System	0	0	0	0	---
DOT OPS	Incident and accident data	0	---	---	---	---
PADS	Identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs	0	---	---	---	---
MLTS	Material Licensing Tracing System lists sites which possess or use radioactive materials	0	---	---	---	---
MINES	Mines Master Index File	0	0	0	---	---
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report	0	---	---	---	---
RAATS	Records base on enforcement actions issued to major violators	0	---	---	---	---
State and Local Records:						
Hist Cal-Sites	Cal-Sites Database	0	0	0	0	0
CA Bond Exp Plan	Bond Expenditure Plan	0	0	0	0	0
SCH	School Property Evaluation Program	0	0	0	---	---
Toxic Pits	Toxic Pits cleanup facilities	0	0	0	0	0
State Landfill	Active, Closed, and Inactive Landfills	0	0	0	0	---
CA WDS	Sites which have been issued waste discharge requirements	0	---	---	---	---
WMUDS/SWAT	Waste Management Unit Database for tracking and inventory of waste management units	0	0	0	0	---
Cortese	Hazardous Waste & Substances Sites List	0	0	0	0	---
SWRCY	Recycler Database	0	0	0	0	---
LUST	Leaking Underground Storage Tanks report	0	0	0	0	---
CA FID UST	Facility Inventory Database of active and inactive UST locations	0	0	0	---	---
SLIC	Statewide Spills, Leaks, Investigations, and Cleanups List	0	0	0	0	---
UST	Registered underground tanks	0	0	0	---	---
HIST UST	Hazardous substance storage container database of UST sites	0	0	0	---	---
AST	Registered aboveground tanks	0	0	0	---	---
LIENS	Environmental Liens Listing	0	---	---	---	---
SWEEPS UST	Statewide Environmental Evaluation and Planning System	0	0	0	---	---
CHMIRS	Accidental releases or spills sites	0	---	---	---	---
Notify 65	Impact to drinking water and potential health risk to the public	0	0	0	0	0
DEED	List of Deed Restrictions	0	0	0	0	---
VCP	Voluntary Clean Up Properties	0	0	0	0	---
DRYCLEANERS	A list of dry cleaner related facilities	0	0	0	---	---
WIP	Well Investigation Program Case List	0	0	0	---	---
CDL	Clandestine Drug Labs	0	---	---	---	---
RESPONSE	State Response Sites	0	0	0	0	0
HAZNET	Copies of hazardous waste manifests received by the DTSC	0	---	---	---	---
EMI	Emissions Inventory Data	0	---	---	---	---
ENVIROSTOR	DTSC's Envirostor Database	0	0	0	0	0
HAULERS	Registered Waste Tire Haulers Listing	0	---	---	---	---
Tribal ASTM Standard						

INDIAN RESERV	Indian Reservations	0	0	0	0	0
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land	0	0	0	0	—
INDIAN UST	Underground Storage Tanks on Indian Land	0	0	0	—	—
EDR Proprietary Records						
Manufactured Gas Plants		0	0	0	0	0

0 = No sites in radius identified
— = Not Searched

The subject site was not listed in the EDR-provided government database report. No sites with reported releases of hazardous materials to the subsurface were reported within a one-mile radius of the subject site.

6.0 DISCUSSION OF FINDINGS

Historical Uses:

Based on Krazan's review of historical aerial photographs, a site reconnaissance, and contacts with the local regulatory agencies and the owner of the subject site, there is no evidence that recognized environmental conditions exist in connection with the historical uses of the subject site.

Current Uses:

Based on Krazan's site reconnaissance, contacts with local regulatory agencies, and an interview with the owner of the subject site, there is no evidence that recognized environmental conditions exist in connection with the current uses of the subject site.

Adjacent Properties:

Based on Krazan's field observations, review of the EDR Radius Map report and consultation with local regulatory agencies, there is no evidence that recognized environmental conditions exist in connection with the subject site from adjacent property uses.

Data Failure:

Aerial photograph coverage for the years prior to 1953 was not reasonably ascertainable or available. However, there is no evidence that the absence of aerial photograph coverage prior to 1953 would alter Krazan's conclusions of this Phase I ESA report.

7.0 CONCLUSIONS/OPINIONS

We have conducted a Phase I ESA of the subject site in conformance with the scope and limitations of the ASTM E1527-00 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Any deviations from this practice were previously described in this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject site. Based on the information presented in this report, no further investigation is required.

8.0 LIMITATIONS

The site reconnaissance and research of the subject site has been limited in scope. This type of assessment is undertaken with the calculated risk that the presence, full nature, and extent of contamination would not be revealed by visual observation alone. Although a thorough site reconnaissance was conducted in accordance with ASTM Guidelines and employing a professional standard of care, no warranty is given, either expressed or implied, that hazardous material contamination or buried structures, which would not have been disclosed through this investigation, do not exist at the subject site. Therefore, the data obtained are clear and accurate only to the degree implied by the sources and methods used.

The findings presented in this report were based upon field observations during a single property visit, review of available data, and discussions with local regulatory and advisory agencies. Observations describe only the conditions present at the time of this investigation. The data reviewed and observations made are limited to accessible areas and currently available records searched. Krazan cannot guarantee the completeness or accuracy of the regulatory agency records reviewed. Additionally, in evaluating the property, Krazan has relied in good faith upon representations and information provided by individuals noted in the report with respect to present operations and existing property conditions, and the historical uses of the property. It must also be understood that changing circumstances in the property usage, proposed property usage, subject site zoning, and changes in the environmental status of the other nearby properties can alter the validity of conclusions and information contained in this report. Therefore, the data obtained are clear and accurate only to the degree implied by the sources and methods used.

This report is provided for the exclusive use of the client noted on the cover page and shall be subject to the terms and conditions in the applicable contract between the client and Krazan. Any third party use of this report, including use by Client's lender, shall also be subject to the terms and conditions governing the work in the contract between the client and Krazan. The unauthorized use of, reliance on, or release of the information contained in this report without the express written consent of Krazan is strictly prohibited and will be without risk or liability to Krazan.

Conclusions and recommendations contained in this report are based on the evaluation of information made available during the course of this assessment. It is not warranted that such data cannot be superseded by future environmental, legal, geotechnical or technical developments. Consequently, given the possibility for unanticipated hazardous conditions to exist on a subject site which may not have been discovered, this Phase I ESA is not intended as the basis for a buyer or developer of real property to

waive their rights of recovery based upon environmental unknowns. Parties that choose to waive rights of recovery prior to site development do so at their own risk.

Parties who seek to rely upon Phase I Environmental Site Assessment reports dated more than 180 days prior to the date of reliance do so at their own risk. This limitation in reliance is based on the potential for physical changes at the site, changes in circumstances, technological and professional advances, and guidance related to prior assessment usage and the continued viability of Environmental Site Assessment reports as stated in the ASTM Standard E 1527-00.

9.0 QUALIFICATIONS

This Phase I ESA was conducted by Krazan's undersigned environmental assessor under the supervision of the undersigned registered environmental professional. The work was conducted in accordance with ASTM 1527-00, generally accepted industry standards for environmental due diligence in place at the time of the preparation of this report and Krazan's quality-control policies.

If you have any questions or if we can be of further assistance, please do not hesitate to contact our office at (951) 694-0601.

Respectfully submitted,
KRAZAN & ASSOCIATES, INC.


James M. Kellogg
Environmental Professional

JMK/dw

2c: herewith

REFERENCES

Aerial photographs (EDR)

California Environmental Protection Agency (Cal-EPA), Recorded Deed Restriction List, 1994.

Cal-EPA, Department of Toxic Substances Control (DTSC) Envirostor Website.

California Regional Water Quality Control Board (RWQCB) Geotracker Website.

California Statewide Radon Survey Screening results conducting during 1990-1991.

Federal and State regulatory agency lists compiled by Environmental Data Resources, Inc. (EDR).

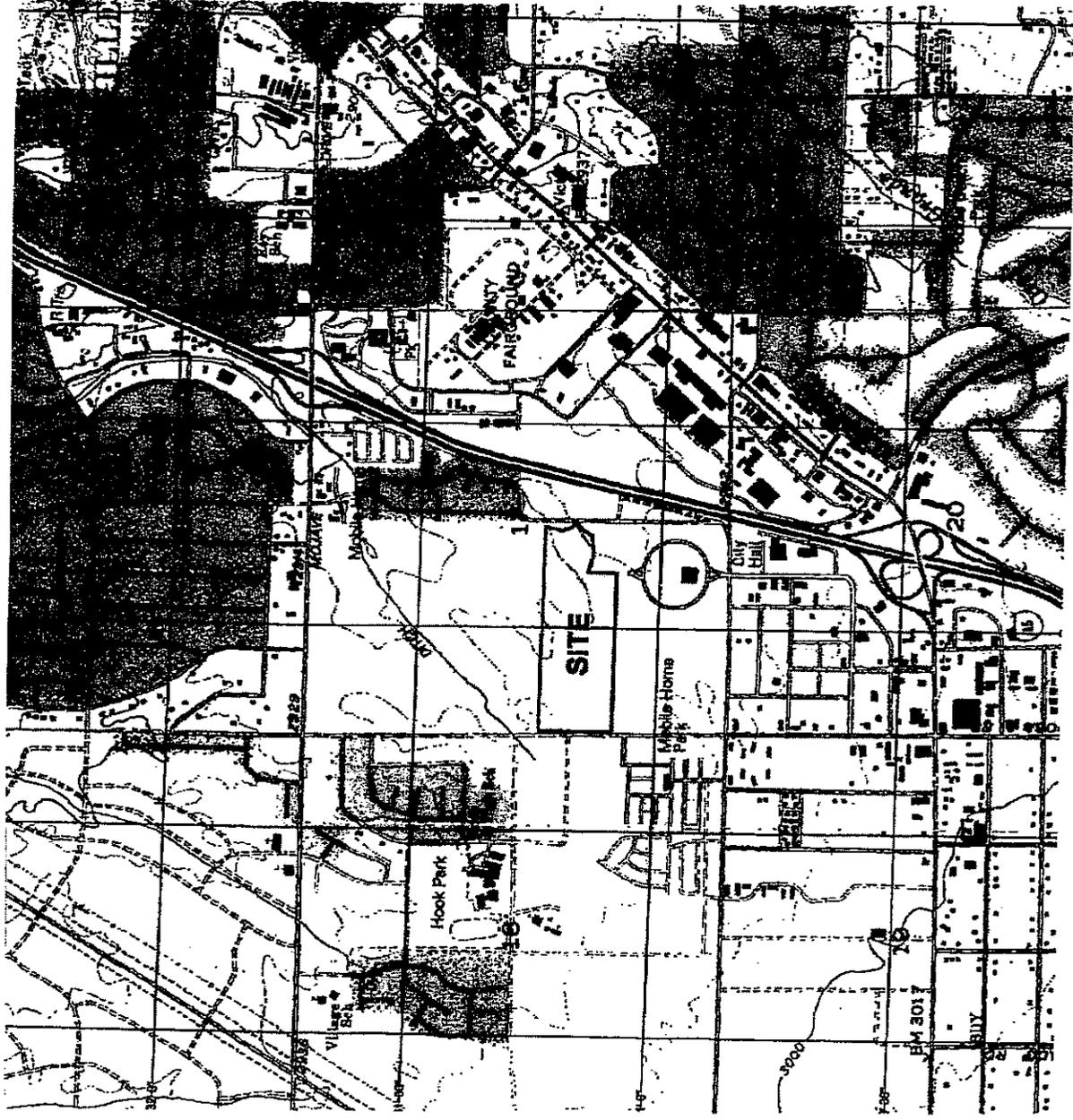
Pacific Gas & Electric (PG&E) Company.

Sanborn Fire Insurance Maps for the City of Victorville, (EDR).

Civic Rogers, LLC.

State of California, Department of Water Resources,

U.S. Geological Survey, 7.5 minute Victorville, California topographic quadrangle map, dated 1993.



PROPOSED DESERT OASIS SHOPPING CENTER
SEC CIVIC DR. & ROY ROGERS
VICTORVILLE, CA
 VICINITY MAP

Scale:	NOT TO SCALE	Date:	12/04/08
Drawn by:	JMK	Approved by:	JMK
Project No.	12408061	Figure No.	1


Krazan
 SITE DEVELOPMENT ENGINEERS
 Offices Serving the Western United States

VACANT LAND AND RETAIL SHOPPING

ROY ROGERS DRIVE

THE SOUTHBOND
FREEWAY ON-RAMP R/W

RETAIL SHOPPING

DESERT OASIS
PHASE 3

STATE ROAD

RETAIL SHOPPING CENTER

VACANT LAND AND AUTO DEALERSHIPS

PROPOSED DESERT OASIS SHOPPING CENTER
SEC CIVIC DR. & ROY ROGERS
VICTORVILLE, CA

SITE PLAN

Scale:	Date:
NOT TO SCALE	12/04/08
Drawn by:	Approved by:
JMK	JMK
Project No.	Figure No.
12408061	2



SITE DEVELOPMENT ENGINEERS
Offices Serving the Western United States

Roy Rogers and Civic

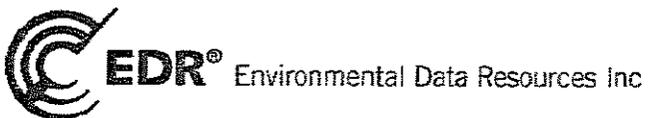
SEC of Roy Rogers and Civic Drive

Victorville, CA 92394

Inquiry Number: 2373695.4

December 03, 2008

The EDR Aerial Photo Decade Package



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

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. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

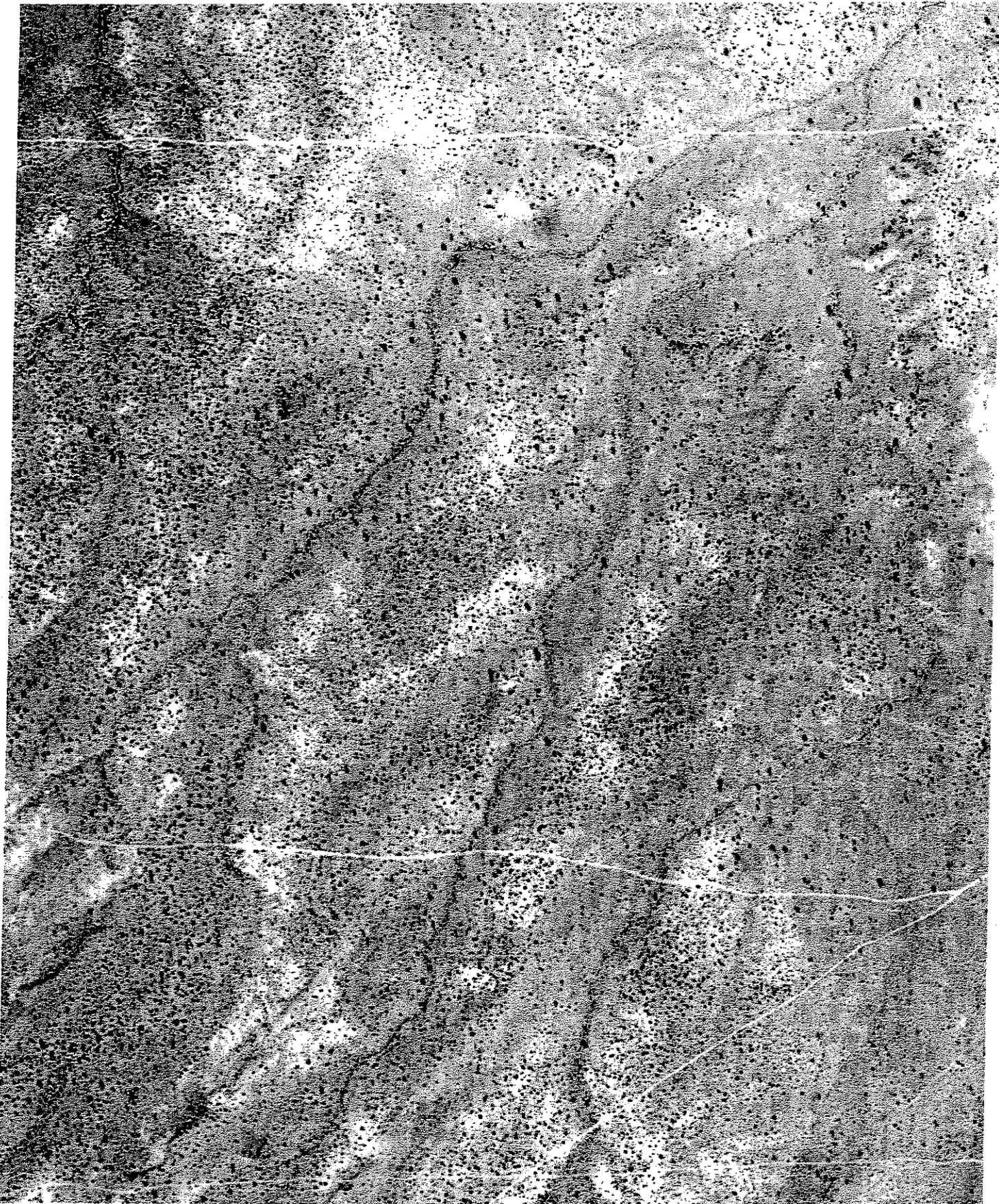
Aerial Photography December 03, 2008

Target Property:

SEC of Roy Rogers and Civic Drive

Victorville, CA 92394

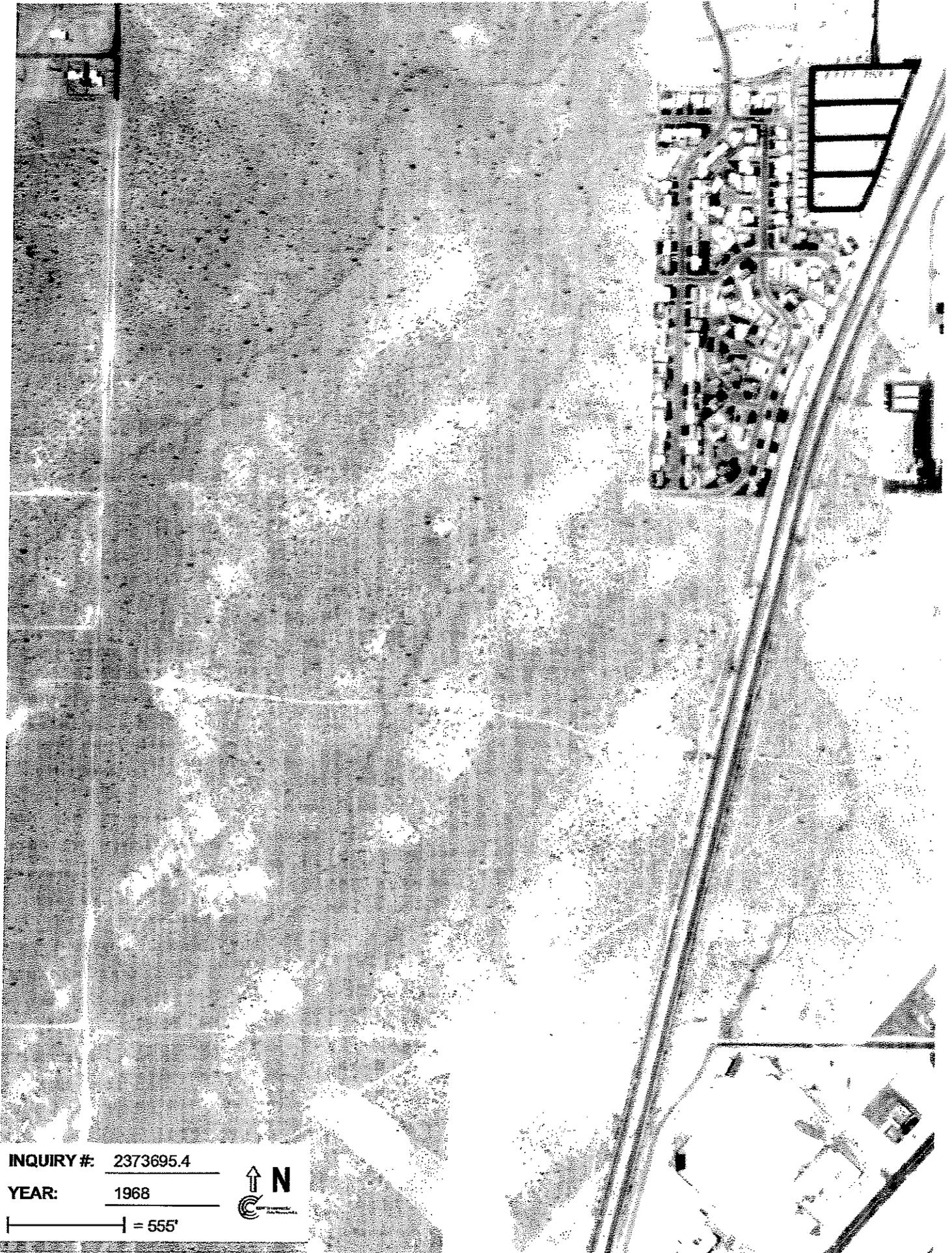
<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1953	Aerial Photograph. Scale: 1"=555'	Flight Year: 1953	Southwestern
1968	Aerial Photograph. Scale: 1"=555'	Flight Year: 1968	Cartwright
1980	Aerial Photograph. Scale: 1"=600'	Flight Year: 1980	AMI
1989	Aerial Photograph. Scale: 1"=666'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=666'	Flight Year: 1994	USGS
2002	Aerial Photograph. Scale: 1"=666'	Flight Year: 2002	USGS
2005	Aerial Photograph. Scale: 1"=484'	Flight Year: 2005	EDR



INQUIRY #: 2373695.4
YEAR: 1953

 **N**


 = 555'

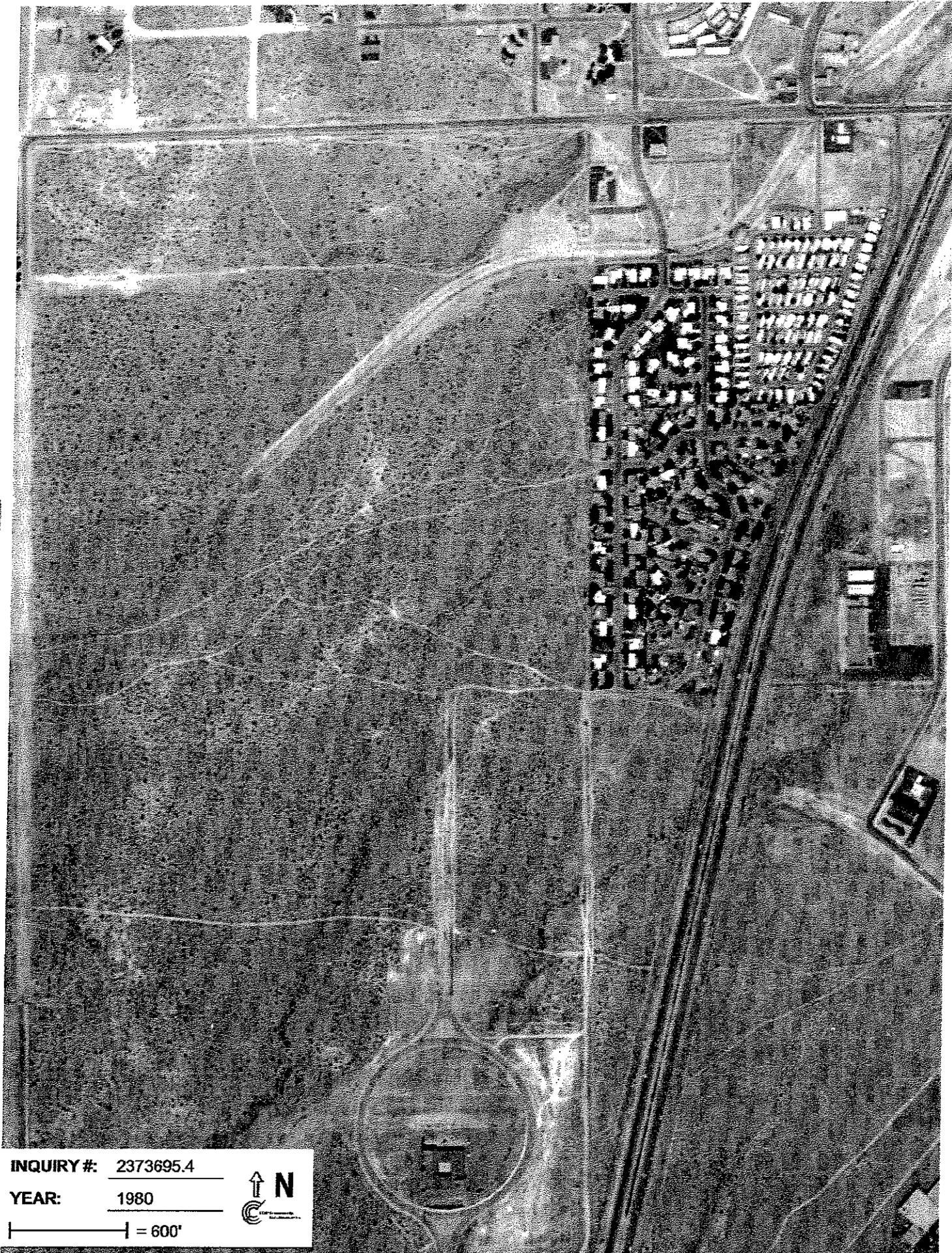


INQUIRY #: 2373695.4

YEAR: 1968

| = 555'



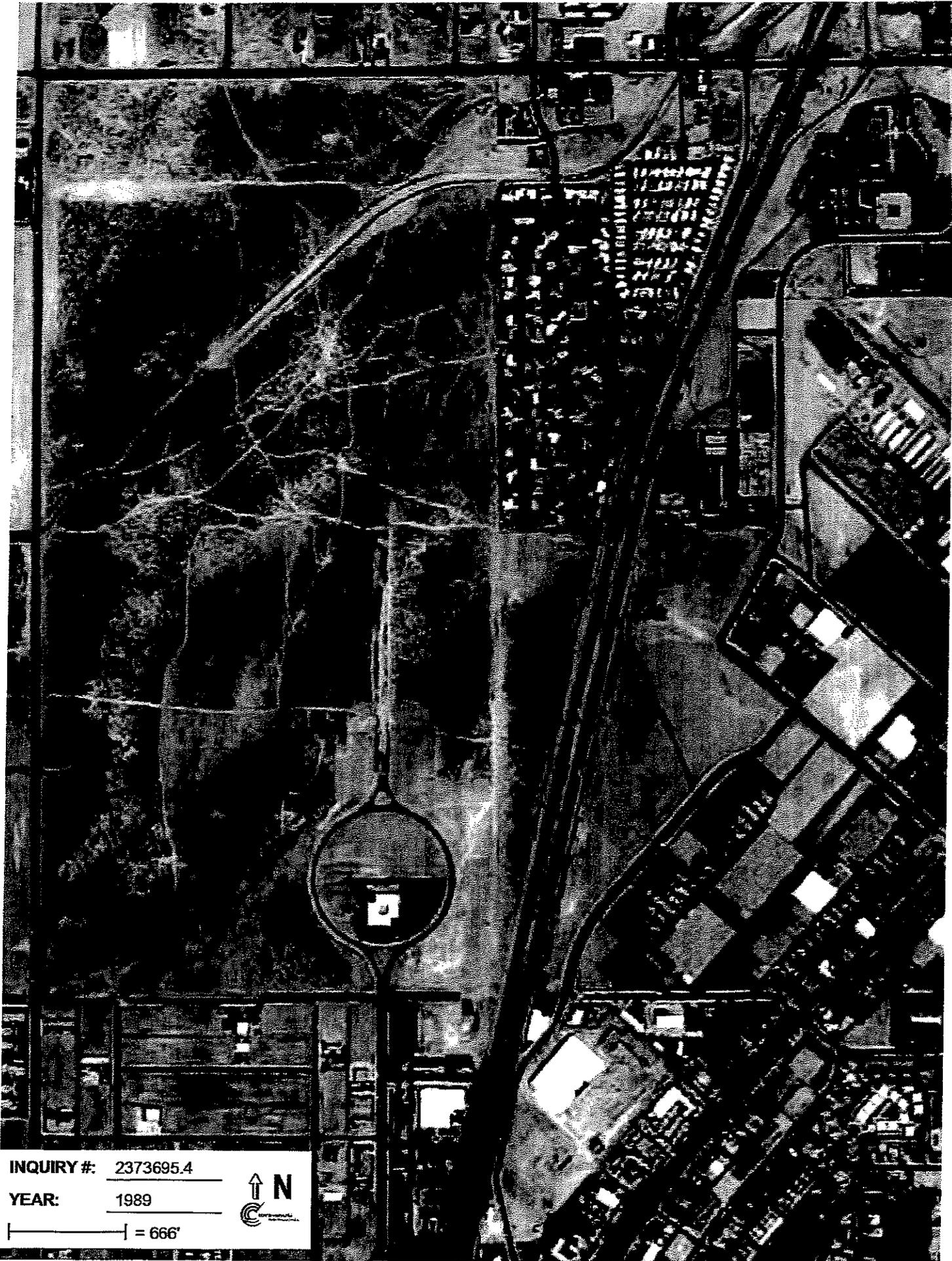


INQUIRY #: 2373695.4

YEAR: 1980

— | = 600'





INQUIRY #: 2373695.4

YEAR: 1989

| = 666'





INQUIRY #: 2373695.4

YEAR: 1994

— = 666'





INQUIRY #: 2373695.4

YEAR: 2002

| = 666'





INQUIRY #: 2373695.4

YEAR: 2005

— = 484'





Photo 1: View of subject site from the west.



Photo 2: View of subject site from south.

**PROPOSED DESERT OASIS PHASE 3
SEC ROY ROGERS DRIVE
AND CIVIC DRIVE
VICTORVILLE, CALIFORNIA**

Project No. 12408061

Date: December 4, 2008

Reviewed by: JMK

 **Krazan**
SITE DEVELOPMENT ENGINEERS
Offices Serving the Western United States



Photo 3: View of the subject site from the east.

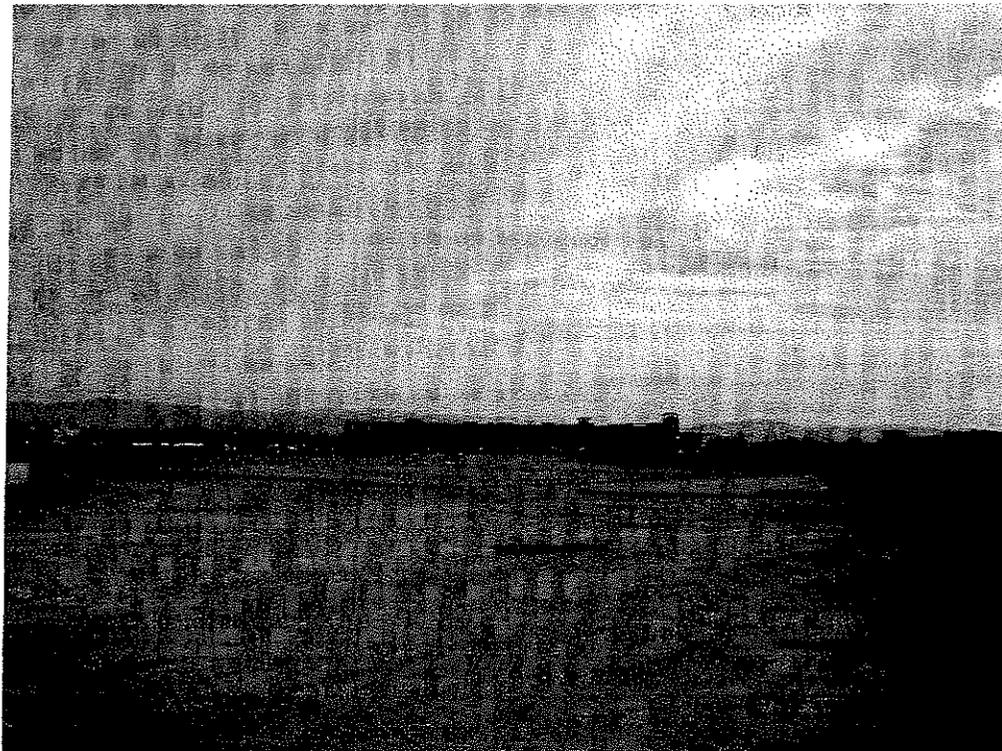


Photo 4: View of the subject site from the north.

**PROPOSED DESERT SUN PLAZA
PHASE 4A
NEC ROY ROGERS DRIVE AND
AMARGOSA ROAD
VICTORVILLE, CALIFORNIA**

**Project No. 12408061
Date: December 4, 2008
Reviewed by: JMK**

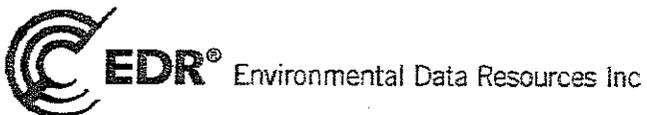

Krazan
SITE DEVELOPMENT ENGINEERS
Offices Serving the Western United States

Roy Rogers and Civic
SEC of Roy Rogers and Civic Drive
Victorville, CA 92394

Inquiry Number: 2373695.3

December 02, 2008

Certified Sanborn® Map Report



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/02/08

Site Name:

Roy Rogers and Civic
SEC of Roy Rogers and Civic
Victorville, CA 92394

Client Name:

Krazan & Associates, Inc.
215 West Dakota
Clovis, CA 93612



EDR Inquiry # 2373695.3

Contact: Jim Kellogg

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Krazan & Associates, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edmet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Roy Rogers and Civic
Address: SEC of Roy Rogers and Civic Drive
City, State, Zip: Victorville, CA 92394
Cross Street:
P.O. # NA
Project: 126
Certification # BFA7-421E-8A8A



Sanborn® Library search results
Certification # BFA7-421E-8A8A

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Total Maps: 0

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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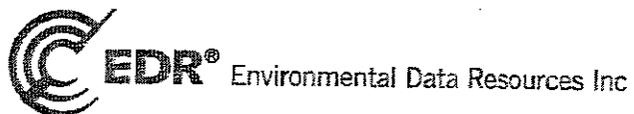
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Roy Rogers and Civic
SEC of Roy Rogers and Civic Drive
Victorville, CA 92394

Inquiry Number: 2373695.2s
December 02, 2008

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrmet.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 available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SEC OF ROY ROGERS AND CIVIC DRIVE
VICTORVILLE, CA 92394

COORDINATES

Latitude (North): 34.520830 - 34° 31' 15.0"
Longitude (West): 117.322500 - 117° 19' 21.0"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 470400.1
UTM Y (Meters): 3819758.2
Elevation: 2941 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 34117-E3 VICTORVILLE, CA
Most Recent Revision: 1993

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL LIENS..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
LIENS 2..... CERCLA Lien Information
CORRACTS..... Corrective Action Report
RCRA-TSDF..... RCRA - Transporters, Storage and Disposal
RCRA-LQG..... RCRA - Large Quantity Generators

EXECUTIVE SUMMARY

RCRA-CESQG.....	RCRA - Conditionally Exempt Small Quantity Generator
RCRA-NonGen.....	RCRA - Non Generators
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
DOT OPS.....	Incident and Accident Data
US CDL.....	Clandestine Drug Labs
US BROWNFIELDS.....	A Listing of Brownfields Sites
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
LUCIS.....	Land Use Control Information System
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
ODL.....	Open Dump Inventory
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing

STATE AND LOCAL RECORDS

HIST Cal-Sites.....	Historical Calsites Database
CA BOND EXP. PLAN.....	Bond Expenditure Plan
SCH.....	School Property Evaluation Program
Toxic Pits.....	Toxic Pits Cleanup Act Sites
SWF/LF.....	Solid Waste Information System
WMUDS/SWAT.....	Waste Management Unit Database
CA WDS.....	Waste Discharge System
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
SWRCY.....	Recycler Database
LUST.....	Geotracker's Leaking Underground Fuel Tank Report
CA FID UST.....	Facility Inventory Database
SLIC.....	Statewide SLIC Cases
UST.....	Active UST Facilities
HIST UST.....	Hazardous Substance Storage Container Database
LIENS.....	Environmental Liens Listing
SWEEPS UST.....	SWEEPS UST Listing
CHMIRS.....	California Hazardous Material Incident Report System
AST.....	Aboveground Petroleum Storage Tank Facilities
Notify 65.....	Proposition 65 Records
DEED.....	Deed Restriction Listing
VCP.....	Voluntary Cleanup Program Properties

EXECUTIVE SUMMARY

DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
CDL.....	Clandestine Drug Labs
RESPONSE.....	State Response Sites
San Bern. Co. Permit.....	Hazardous Material Permits
HAZNET.....	Facility and Manifest Data
EML.....	Emissions Inventory Data
ENVIROSTOR.....	EnviroStor Database
HAULERS.....	Registered Waste Tire Haulers Listing

TRIBAL RECORDS

INDIAN RESERV.....	Indian Reservations
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
INDIAN LUST.....	Leaking Underground Storage Tanks on Indian Land
INDIAN UST.....	Underground Storage Tanks on Indian Land
INDIAN VCP.....	Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations.....	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners.....	EDR Proprietary Historic Dry Cleaners

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.

FEDERAL RECORDS

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/10/2008 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

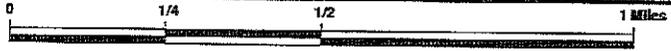
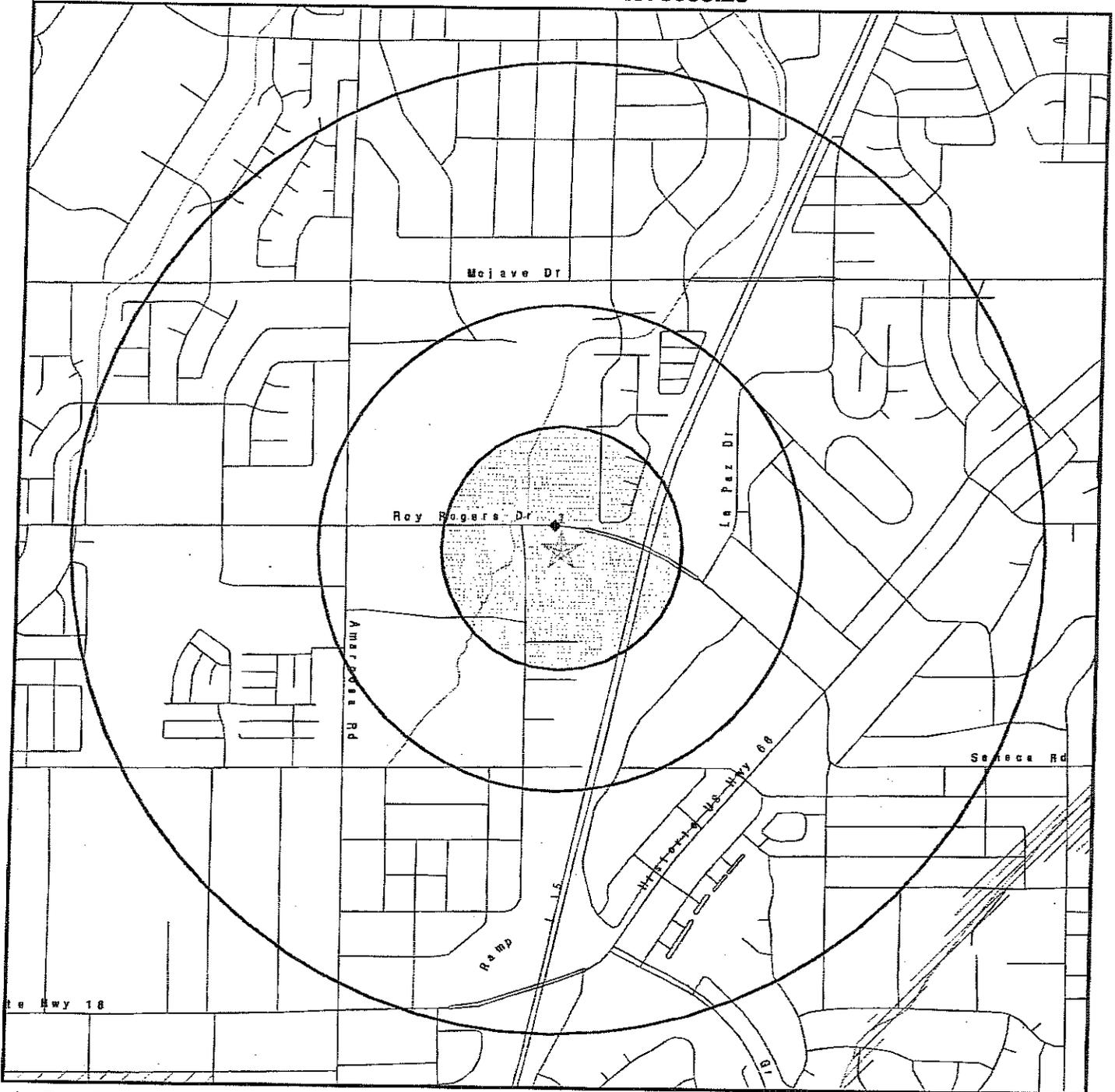
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ARCO FACILITY NO 06341</i>	<i>15730 ROY ROGERS DR</i>	<i>NNW 0 - 1/8 (0.048 mi.)</i>	<i>1</i>	<i>6</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
DOBY CORNERS SHELL #15	CA FID UST, SWEEPS UST
HARTWICK & HAND INC.	HIST UST, SWEEPS UST
TRI-CITY CLEANERS	HAZNET, DRYCLEANERS
CAJON DERAILMENT	CERCLIS, FINDS
CHEVRON SS #1838/204029	UST
TEXACO NO. 2056	UST
TEXACO NO. 2044	UST
LUCERNE VALLEY SHELL #12	HIST UST
VICTORVILLE	HIST UST
VICTORVILLE M.S. (DISTRICT 8)	AST
HOME DEPOT NO HD1844	RCRA-SQG
VICTORVILLE NISSAN INC DBA VALLEY HI NIS	RCRA-SQG
VALLEY HI HONDA	RCRA-SQG
SHAHARALD MINE	San Bern. Co. Permit
SAV A PLANET RECYCLING	SWRCY

OVERVIEW MAP - 2373695.2s



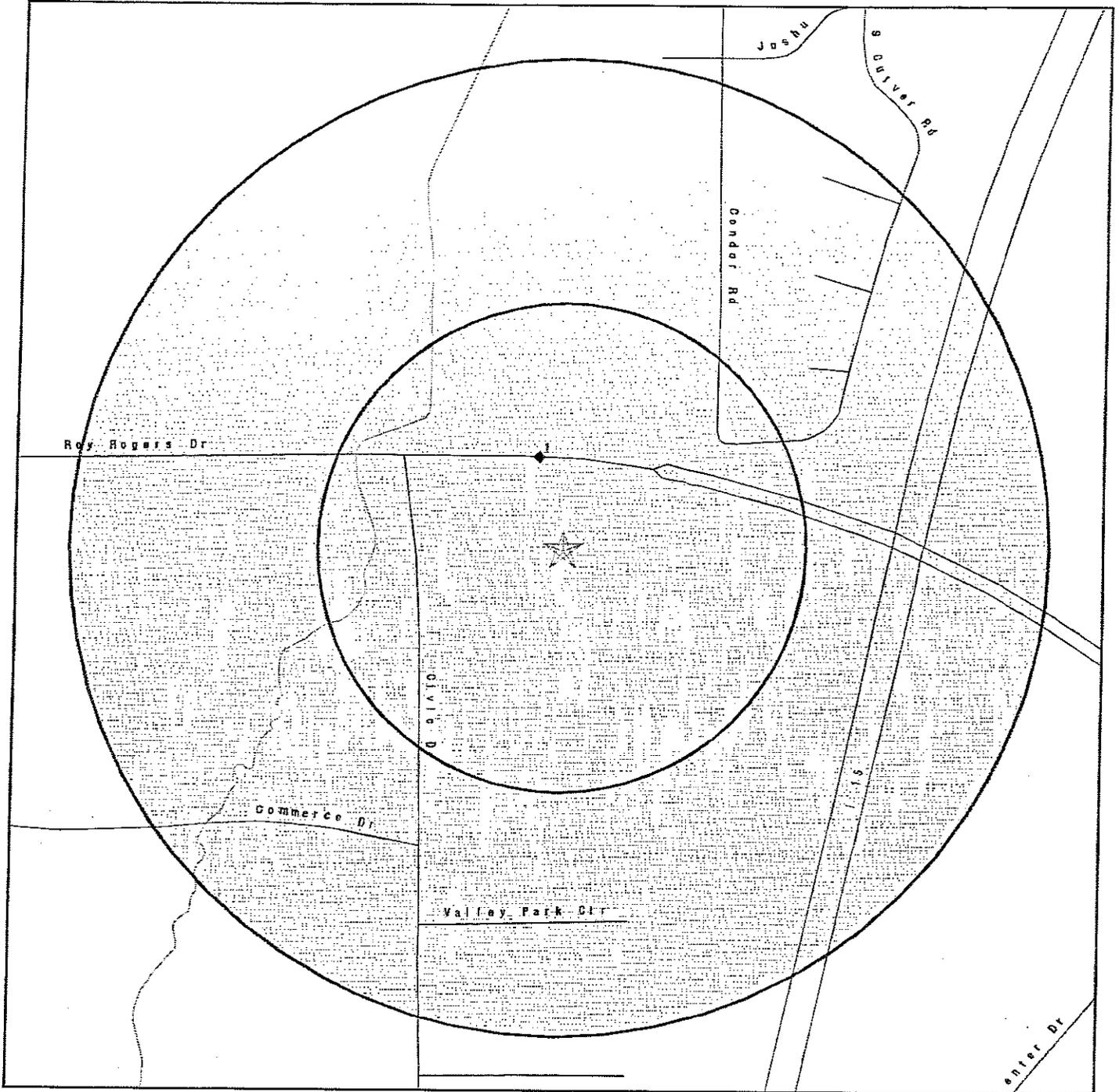
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- 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: Roy Rogers and Civic ADDRESS: SEC of Roy Rogers and Civic Drive Victorville CA 92394 LAT/LONG: 34.5208 / 117.3225	CLIENT: Krazan & Associates, Inc. CONTACT: Jim Kellogg INQUIRY #: 2373695.2s DATE: December 02, 2008 4:12 pm
--	---

DETAIL MAP - 2373695.2s



- ★ 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
- ▲ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ 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.

<p>SITE NAME: Roy Rogers and Civic ADDRESS: SEC of Roy Rogers and Civic Drive Victorville CA 92394 LAT/LONG: 34.5208 / 117.3225</p>	<p>CLIENT: Krazan & Associates, Inc. CONTACT: Jim Kellogg INQUIRY #: 2373695.2s DATE: December 02, 2008 4:12 pm</p>
---	--

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA-TSDF		0.500	0	0	0	NR	NR	0
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	1	0	NR	NR	NR	1
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		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
MINES		0.250	0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
HIST Cal-Sites		1.000	0	0	0	0	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SWF/LF		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
CA FID UST		0.250	0	0	NR	NR	NR	0
SLIC		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
HIST UST		0.250	0	0	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
SWEEPS UST		0.250	0	0	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
Notify 65		1.000	0	0	0	0	NR	0
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
RESPONSE		1.000	0	0	0	0	NR	0
San Bern. Co. Permit		0.250	0	0	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENVIROSTOR		1.000	0	0	0	0	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site _____ Database(s) _____ EDR ID Number
 _____ EPA ID Number

1
 NNW
 < 1/8
 0.048 mi.
 255 ft.

ARCO FACILITY NO 06341
 15730 ROY ROGERS DR
 VICTORVILLE, CA 92392

RCRA-SQG 1004678004
 FINDS CAR000103887
 HAZNET

Relative:
 Lower

RCRA-SQG:

Date form received by agency: 06/21/2002
 Facility name: ARCO FACILITY NO 06341
 Facility address: 15730 ROY ROGERS DR
 VICTORVILLE, CA 92392
 EPA ID: CAR000103887
 Mailing address: P O BOX 6038
 ARTESIA, CA 907026038
 Contact: JACK OMAN
 Contact address: P O BOX 6038
 ARTESIA, CA 907026038
 Contact country: US
 Contact telephone: (714) 690-2425
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
 2936 ft.

Owner/Operator Summary:

Owner/operator name: B P WEST COAST PRODUCTS LLC
 Owner/operator address: P O BOX 6038
 ARTESIA, CA 90702
 Owner/operator country: Not reported
 Owner/operator telephone: (714) 690-2425
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
 Mixed waste (haz. and radioactive): Unknown
 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: Unknown
 Furnace exemption: Unknown
 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
 Off-site waste receiver: Commercial status unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO FACILITY NO 06341 (Continued)

1004578004

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAR000103887
Contact: JACK OMAN WASTE SPECIALIST
Telephone: 7146703958
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: San Bernardino
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.16
Facility County: Not reported

Gepaid: CAR000103887
Contact: JACK OMAN WASTE SPECIALIST
Telephone: 7146703958
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: San Bernardino
TSD EPA ID: CAD008302903
TSD County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

ARCO FACILITY NO 06341 (Continued)

1004678004

Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.05
Facility County: San Bernardino

Gepaid: CAR000103887
Contact: Jack Oman
Telephone: 7146902425
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: Artesia, CA 907026038
Gen County: San Bernardino
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.07
Facility County: Not reported

Gepaid: CAR000103887
Contact: Jack Oman
Telephone: 7146902425
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: Artesia, CA 907026038
Gen County: San Bernardino
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Tons: 1.87
Facility County: Not reported

Gepaid: CAR000103887
Contact: JACK OMAN WASTE SPECIALIST
Telephone: 7146703958
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: San Bernardino
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.16
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KRAMER JUNCTION	S105897639	SHAHARALD MINE	TION ROW SEC 36 N/2	92392	San Bem. Co. Permit
LUCERNE VALLEY	U001575770	LUCERNE VALLEY SHELL #12	23727 STATE HIGHWAY 18	92392	HIST UST
SOUTH OF VICTORVILLE	1001115045	CAJON DERAILMENT	MILEPOST 68.9 SOUTH MAIN TRACK	92392	CERCLIS, FINDS
TEMEGULA	U003988472	CHEVRON SS #1838/204028	31869 S HWY 79	92392	UST
VICTORVILLE	S101619434	DOBY CORNERS SHELL #15	14111 HIGHWAY 395	92392	CA FID UST, SWEEPS UST
VICTORVILLE	S107148119	TRI-CITY CLEANERS	17100 BEAR VALLEY RD # H	92392	HAZNET, DRYCLEANERS
VICTORVILLE	S108281914	SAV A PLANET RECYCLING	15208 BEAR VALLEY RD B 400	92392	SWRCY
VICTORVILLE	U003782450	TEXACO NO. 2086	17918 BEAR VALLEY AND TAMARISK	92392	UST
VICTORVILLE	U003782456	TEXACO NO. 2044	12130 BEAR VALLEY AND 385	92392	UST
VICTORVILLE	U001575804	VICTORVILLE	I-15, PM 38.84	92392	HIST UST
VICTORVILLE	A100178782	VICTORVILLE M.S. (DISTRICT 8)	13683 MARIPOSA RD. 1 15	92392	AST
VICTORVILLE	U001575788	HARTWICK & HAND INC.	16853 OLD HWY 66	92392	HIST UST, SWEEPS UST
VICTORVILLE	1010313570	HOME DEPOT NO HD1844	15655 ROY ROGER DR	92394	RCRA-SQG
VICTORVILLE	1010313756	VICTORVILLE NISSAN INC DBA VALLEY HINIS	15722 VALLEY PARK LN	92392	RCRA-SQG
VICTORVILLE	1010582048	VALLEY HI HONDA	15710 VALLEY PARK LN	92384	RCRA-SQG

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.

FEDERAL RECORDS

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: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/26/2009
	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: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

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: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 11/17/2008
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/09/2008	Source: EPA
Date Data Arrived at EDR: 07/22/2008	Telephone: 703-412-9810
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 10/16/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 09/15/2008
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/15/2008
	Data Release Frequency: Quarterly

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: 08/19/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/29/2008	Telephone: 202-564-6023
Date Made Active in Reports: 09/09/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 11	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/11/2008	Source: EPA
Date Data Arrived at EDR: 09/19/2008	Telephone: 800-424-9346
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 12/01/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 03/02/2009
	Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Transporters, 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

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: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/23/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2008	Telephone: 703-603-0695
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/29/2008
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/23/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2008	Telephone: 703-603-0695
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/29/2008
	Data Release Frequency: Varies

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: 12/31/2007	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/23/2008	Telephone: 202-267-2180
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 10/21/2008
Number of Days to Update: 54	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/2008	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 10/16/2008	Telephone: 202-366-4555
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 10/16/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 05/28/2008	Telephone: 202-366-4595
Date Made Active in Reports: 08/08/2008	Last EDR Contact: 11/26/2008
Number of Days to Update: 72	Next Scheduled EDR Contact: 02/23/2009
	Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 10/31/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities-especially those without EPA Brownfields Assessment Demonstration Pilots-minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 08/25/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 10/16/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 11/07/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

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: 12/31/2007
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/05/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 09/09/2008
Next Scheduled EDR Contact: 12/08/2008
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/25/2008
Date Data Arrived at EDR: 06/12/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

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: 06/18/2008
Date Data Arrived at EDR: 07/11/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 45

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/15/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 09/22/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/07/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Semi-Annually

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: 12/31/2006
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/19/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Annually

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: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Every 4 Years

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: 07/12/2008
Date Data Arrived at EDR: 07/18/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 38

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/15/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 07/12/2008
Date Data Arrived at EDR: 07/18/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 38

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 09/15/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

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

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
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: 07/31/2008
Date Data Arrived at EDR: 08/13/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
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: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 09/18/2008
Next Scheduled EDR Contact: 11/03/2008
Data Release Frequency: Annually

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: 10/03/2008
Date Data Arrived at EDR: 10/15/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 35

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Quarterly

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: 07/29/2008
Date Data Arrived at EDR: 07/31/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/29/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/01/2008	Source: EPA
Date Data Arrived at EDR: 07/09/2008	Telephone: (415) 947-8000
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 47	Next Scheduled EDR Contact: 12/29/2008
	Data Release Frequency: Quarterly

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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

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: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 09/12/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 12/08/2008
	Data Release Frequency: Biennially

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 09/08/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2008	Telephone: 615-532-8599
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 11/25/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/09/2009
	Data Release Frequency: Varies

STATE AND LOCAL RECORDS

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: 11/24/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 02/23/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 08/25/2008
Date Data Arrived at EDR: 08/27/2008
Date Made Active in Reports: 09/03/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/26/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 11/04/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: No Update Planned

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: 09/08/2008
Date Data Arrived at EDR: 09/09/2008
Date Made Active in Reports: 09/18/2008
Number of Days to Update: 9

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 09/09/2008
Next Scheduled EDR Contact: 12/08/2008
Data Release Frequency: Quarterly

CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Quarterly

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: 12/01/2008
Next Scheduled EDR Contact: 03/02/2009
Data Release Frequency: Quarterly

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). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 10/06/2008
Date Data Arrived at EDR: 10/08/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 49

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 10/08/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Quarterly

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 11/04/2008
Date Data Arrived at EDR: 11/04/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 11/04/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 10/06/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/02/2009
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: 09/23/2008
Next Scheduled EDR Contact: 12/22/2008
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, Calaveras, 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: 07/22/2008
Next Scheduled EDR Contact: 10/20/2008
Data Release Frequency: Quarterly

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: 12/01/2008
Next Scheduled EDR Contact: 03/02/2009
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: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
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
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/04/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/02/2009
	Data Release Frequency: Varies

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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

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: 11/04/2008	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/04/2008	Telephone: 866-480-1028
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 11/04/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/05/2009
	Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 11/17/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/17/2008
	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	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 10/06/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/05/2009
	Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 11/10/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/09/2009
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 12/01/2008
Next Scheduled EDR Contact: 03/02/2009
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: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
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: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/24/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Annually

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/10/2008
Date Data Arrived at EDR: 07/10/2008
Date Made Active in Reports: 07/25/2008
Number of Days to Update: 15

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 11/04/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 10/06/2008
Date Data Arrived at EDR: 10/06/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 10

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 10/06/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Varies

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

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/06/2008
Date Data Arrived at EDR: 11/07/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 19

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/03/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Varies

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

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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 05/09/2008
Date Made Active in Reports: 06/20/2008
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities Registered Aboveground Storage Tanks.

Date of Government Version: 11/01/2007
Date Data Arrived at EDR: 11/27/2007
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 10/27/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/30/2008
Date Data Arrived at EDR: 09/30/2008
Date Made Active in Reports: 10/13/2008
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/30/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Semi-Annually

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: 08/25/2008
Date Data Arrived at EDR: 08/27/2008
Date Made Active in Reports: 09/03/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/26/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/23/2008
Date Data Arrived at EDR: 09/24/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 5

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 10/31/2008
Date Data Arrived at EDR: 11/03/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 23

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 11/03/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

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: 09/30/2008
Date Data Arrived at EDR: 10/06/2008
Date Made Active in Reports: 10/13/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

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: 08/25/2008
Date Data Arrived at EDR: 08/27/2008
Date Made Active in Reports: 09/03/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/26/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Quarterly

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.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 10/04/2007
Date Made Active in Reports: 11/07/2007
Number of Days to Update: 34

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 11/07/2008
Next Scheduled EDR Contact: 02/02/2008
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 10/16/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 41

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 10/16/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/25/2008
Date Data Arrived at EDR: 08/27/2008
Date Made Active in Reports: 09/03/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/26/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 09/22/2008
Date Data Arrived at EDR: 09/22/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 7

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 09/08/2008
Next Scheduled EDR Contact: 12/08/2008
Data Release Frequency: Varies

TRIBAL RECORDS

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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 11/07/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

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: 11/24/2008
Next Scheduled EDR Contact: 02/23/2009
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: 08/21/2008
Date Data Arrived at EDR: 09/04/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 5

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/27/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 40

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/19/2008
Next Scheduled EDR Contact: 02/16/2009
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: 06/06/2008
Date Data Arrived at EDR: 10/09/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 41

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/12/2008	Source: EPA Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	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: 10/10/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/10/2008	Telephone: 415-972-3372
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/22/2008	Source: EPA Region 10
Date Data Arrived at EDR: 08/22/2008	Telephone: 206-553-2857
Date Made Active in Reports: 09/09/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/05/2008	Source: EPA Region 6
Date Data Arrived at EDR: 09/05/2008	Telephone: 214-665-6597
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/06/2008	Source: EPA Region 4
Date Data Arrived at EDR: 10/09/2008	Telephone: 404-562-9424
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/08/2008	Source: EPA Region 5
Date Data Arrived at EDR: 09/19/2008	Telephone: 312-886-6136
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R6: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008	Source: EPA Region 6
Date Data Arrived at EDR: 09/05/2008	Telephone: 214-665-7591
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 11/19/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/21/2008	Source: EPA Region 8
Date Data Arrived at EDR: 09/04/2008	Telephone: 303-312-6137
Date Made Active in Reports: 09/09/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 5	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008	Source: EPA Region 9
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-972-3368
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/22/2008	Source: EPA Region 10
Date Data Arrived at EDR: 08/22/2008	Telephone: 206-553-2857
Date Made Active in Reports: 09/09/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/16/2009
	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: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 10/20/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Varies

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: 10/20/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: 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 Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

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 Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

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

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/28/2008
Date Data Arrived at EDR: 10/30/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/21/2008
Date Data Arrived at EDR: 08/22/2008
Date Made Active in Reports: 08/29/2008
Number of Days to Update: 7

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 09/03/2008
Date Data Arrived at EDR: 09/04/2008
Date Made Active in Reports: 09/18/2008
Number of Days to Update: 14

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 11/24/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 09/30/2008
Date Data Arrived at EDR: 10/20/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 37

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 11/03/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 09/15/2008
Date Data Arrived at EDR: 09/16/2008
Date Made Active in Reports: 10/01/2008
Number of Days to Update: 15

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 12/01/2008
Next Scheduled EDR Contact: 03/02/2009
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/31/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 40

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 08/12/2008
Date Data Arrived at EDR: 08/22/2008
Date Made Active in Reports: 09/03/2008
Number of Days to Update: 12

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 11/13/2008
Next Scheduled EDR Contact: 02/09/2009
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2008
Date Data Arrived at EDR: 03/20/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 25

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 09/08/2008
Next Scheduled EDR Contact: 12/08/2008
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/14/2008
Date Data Arrived at EDR: 04/10/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 26

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 10/06/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 10

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 08/26/2008
Date Data Arrived at EDR: 09/11/2008
Date Made Active in Reports: 10/01/2008
Number of Days to Update: 20

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 11/24/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

MARIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 08/04/2008
Date Data Arrived at EDR: 08/29/2008
Date Made Active in Reports: 09/15/2008
Number of Days to Update: 17

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 10/27/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008
Date Data Arrived at EDR: 07/09/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/22/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/22/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 09/02/2008
Date Data Arrived at EDR: 09/16/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 13

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/04/2008
Next Scheduled EDR Contact: 12/01/2008
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 09/02/2008
Date Data Arrived at EDR: 09/17/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 12

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/04/2008
Next Scheduled EDR Contact: 12/01/2008
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 09/02/2008
Date Data Arrived at EDR: 09/25/2008
Date Made Active in Reports: 10/01/2008
Number of Days to Update: 6

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/04/2008
Next Scheduled EDR Contact: 12/01/2008
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/23/2007
Date Data Arrived at EDR: 07/23/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 17

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 09/15/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 11/06/2008
Date Data Arrived at EDR: 11/17/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 9

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/02/2008
Date Data Arrived at EDR: 07/29/2008
Date Made Active in Reports: 08/29/2008
Number of Days to Update: 31

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/08/2008
Date Data Arrived at EDR: 08/08/2008
Date Made Active in Reports: 09/03/2008
Number of Days to Update: 26

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/29/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 09/08/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 28

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/29/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/01/2008
Date Data Arrived at EDR: 10/06/2008
Date Made Active in Reports: 10/13/2008
Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 12/01/2008
Next Scheduled EDR Contact: 03/02/2009
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 07/16/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 28

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 10/29/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/2007
Date Data Arrived at EDR: 02/05/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 9

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 12/02/2008
Next Scheduled EDR Contact: 11/17/2008
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 08/07/2008
Date Data Arrived at EDR: 10/31/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 26

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 09/30/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

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: 12/01/2008
Next Scheduled EDR Contact: 03/02/2009
Data Release Frequency: Quarterly

Underground Storage Tank Information

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: 10/01/2008
Number of Days to Update: 12

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 12/01/2008
Next Scheduled EDR Contact: 03/02/2009
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 08/26/2008	Source: Environmental Health Department
Date Data Arrived at EDR: 08/27/2008	Telephone: N/A
Date Made Active in Reports: 09/15/2008	Last EDR Contact: 10/14/2008
Number of Days to Update: 19	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 11/19/2008	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 11/19/2008	Telephone: 650-363-1921
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 10/06/2008
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/05/2009
	Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 10/06/2008	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 10/07/2008	Telephone: 650-363-1921
Date Made Active in Reports: 10/13/2008	Last EDR Contact: 10/06/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 01/05/2009
	Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

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	Source: Santa Clara Valley Water District
Date Data Arrived at EDR: 03/30/2005	Telephone: 408-265-2600
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/22/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/22/2008
	Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 09/24/2008	Source: Department of Environmental Health
Date Data Arrived at EDR: 09/25/2008	Telephone: 408-918-3417
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 09/22/2008
Number of Days to Update: 4	Next Scheduled EDR Contact: 12/22/2008
	Data Release Frequency: Varies

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 09/02/2008	Source: City of San Jose Fire Department
Date Data Arrived at EDR: 09/04/2008	Telephone: 408-277-4659
Date Made Active in Reports: 09/18/2008	Last EDR Contact: 12/01/2008
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/02/2009
	Data Release Frequency: Annually

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/22/2008	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 10/06/2008	Telephone: 707-784-6770
Date Made Active in Reports: 10/13/2008	Last EDR Contact: 09/22/2008
Number of Days to Update: 7	Next Scheduled EDR Contact: 12/22/2008
	Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/22/2008	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 07/03/2008	Telephone: 707-784-6770
Date Made Active in Reports: 07/25/2008	Last EDR Contact: 09/22/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/22/2008
	Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/20/2008	Source: Department of Health Services
Date Data Arrived at EDR: 10/20/2008	Telephone: 707-565-6565
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 10/20/2008
Number of Days to Update: 37	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 05/04/2007	Telephone: 530-822-7500
Date Made Active in Reports: 05/24/2007	Last EDR Contact: 09/29/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 12/29/2008
	Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 08/27/2008	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 10/14/2008	Telephone: 805-654-2813
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 09/10/2008
Number of Days to Update: 43	Next Scheduled EDR Contact: 12/08/2008
	Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 09/04/2008	Telephone: 805-654-2813
Date Made Active in Reports: 09/18/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 09/09/2008
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/08/2008
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 10/01/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 10/08/2008	Telephone: 805-654-2813
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 10/08/2008
Number of Days to Update: 8	Next Scheduled EDR Contact: 01/05/2009
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 08/11/2008	Source: Yolo County Department of Health
Date Data Arrived at EDR: 08/29/2008	Telephone: 530-666-8646
Date Made Active in Reports: 09/15/2008	Last EDR Contact: 11/10/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Annually

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: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/15/2007	Telephone: 860-424-3375
Date Made Active in Reports: 08/20/2007	Last EDR Contact: 09/12/2008
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/08/2008
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/04/2007	Telephone: N/A
Date Made Active in Reports: 12/31/2007	Last EDR Contact: 11/07/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/02/2009
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/23/2008
Date Data Arrived at EDR: 08/28/2008
Date Made Active in Reports: 09/11/2008
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/26/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Annually

PA MANIFEST: Manifest Information Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/11/2008
Date Made Active in Reports: 10/02/2008
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/08/2008
Next Scheduled EDR Contact: 12/08/2008
Data Release Frequency: Annually

RI MANIFEST: Manifest information Hazardous waste manifest information

Date of Government Version: 10/07/2008
Date Data Arrived at EDR: 10/10/2008
Date Made Active in Reports: 10/28/2008
Number of Days to Update: 18

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 09/15/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Annually

WI MANIFEST: Manifest Information Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/22/2008
Date Made Active in Reports: 09/08/2008
Number of Days to Update: 17

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 10/06/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ROY ROGERS AND CIVIC
SEC OF ROY ROGERS AND CIVIC DRIVE
VICTORVILLE, CA 92394

TARGET PROPERTY COORDINATES

Latitude (North):	34.52083 - 34° 31' 15.0"
Longitude (West):	117.3225 - 117° 19' 21.0"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	470400.1
UTM Y (Meters):	3819758.2
Elevation:	2941 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34117-E3 VICTORVILLE, CA
Most Recent Revision:	1993

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).

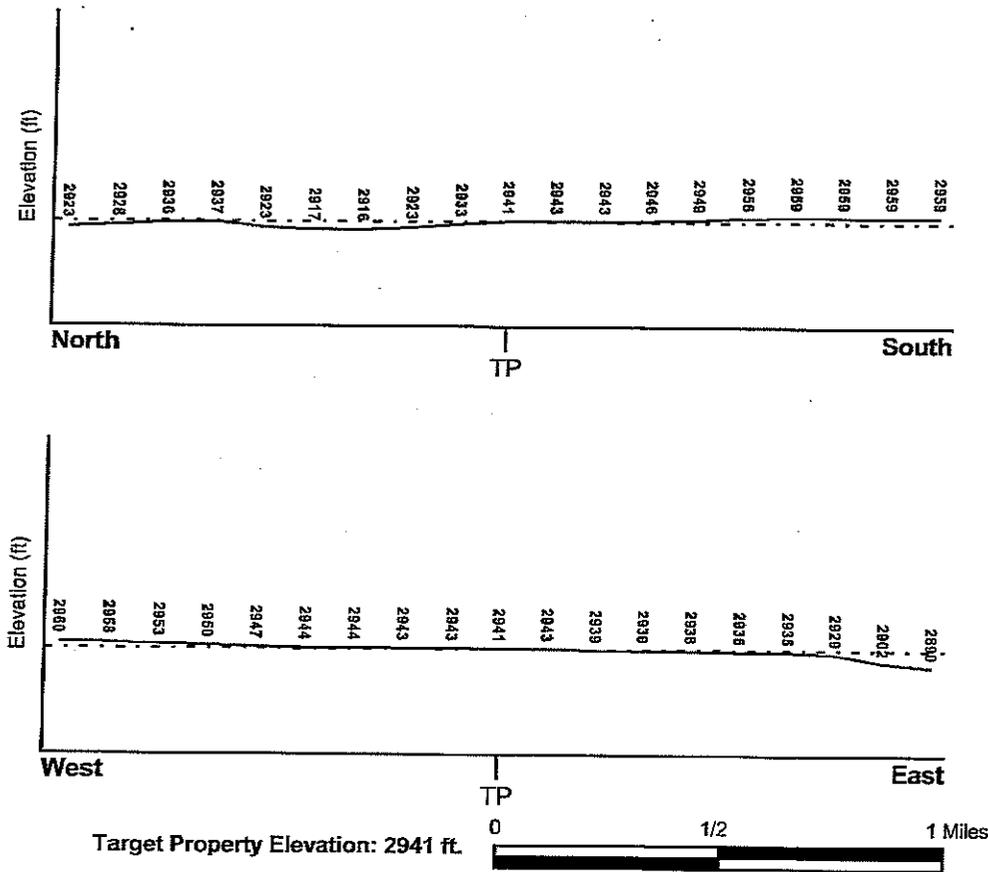
TOPOGRAPHIC INFORMATION

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 NNE

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

Target Property County
SAN BERNARDINO, CA

FEMA Flood Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06071C5815F

Additional Panels in search area: 06071C5820F

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
NOT AVAILABLE

NWI Electronic Data Coverage
Not Available

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		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

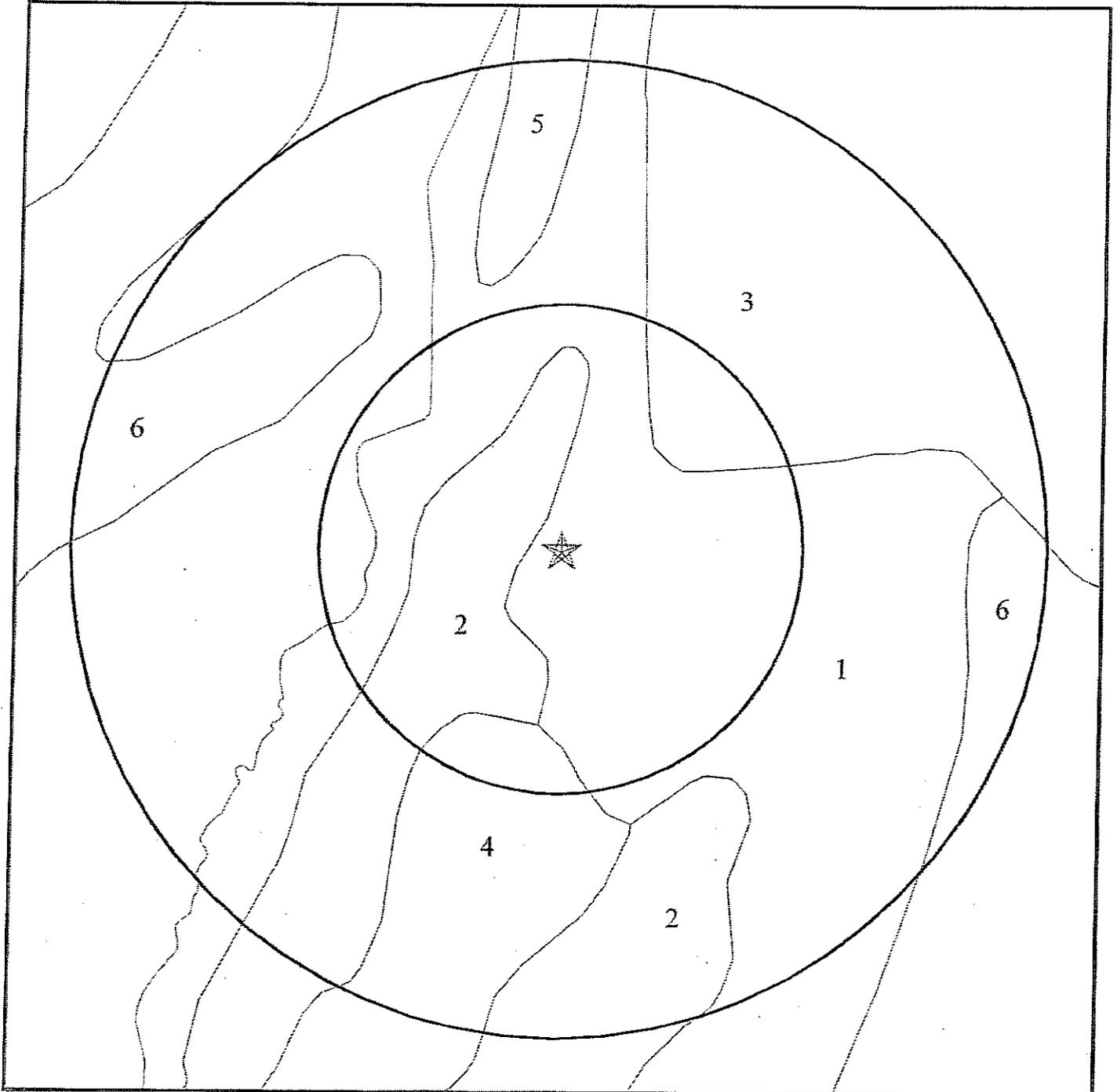
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

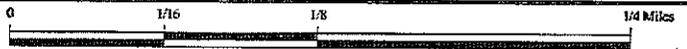
Category: Stratified Sequence

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 - 2373695.2s



- ★ Target Property
- ~ SSURGO Soil
- ~ Water



SITE NAME: Roy Rogers and Civic
ADDRESS: SEC of Roy Rogers and Civic Drive
Victorville CA 92394
LAT/LONG: 34.5208 / 117.3225

CLIENT: Krazan & Associates, Inc.
CONTACT: Jim Kellogg
INQUIRY #: 2373695.2s
DATE: December 02, 2008 4:12 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: HELENDALE

Soil Surface Texture:
Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	3 inches	29 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
3	29 inches	66 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
4	66 inches	98 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: CAVE

Soil Surface Texture:
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: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

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	14 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	14 inches	20 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9
3	20 inches	66 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: BRYMAN

Soil Surface Texture:

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	9 inches	38 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4

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	38 inches	59 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 4

Soil Component Name: BRYMAN

Soil Surface Texture: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4
2	9 inches	42 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4
3	42 inches	59 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4

Soil Map ID: 5

Soil Component Name: Cajon

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not 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	5 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	5 inches	25 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4
3	25 inches	59 inches	stratified gravelly sand to sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 6

Soil Component Name: LAVIC

Soil Surface Texture:

Hydrologic Group:

Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:

Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

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	9 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.9
2	9 inches	20 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.9
3	20 inches	48 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.9
4	48 inches	59 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.9

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B4	USGS3133089	1/2 - 1 Mile SSE
D7	USGS3132909	1/2 - 1 Mile NNE
8	USGS3132910	1/2 - 1 Mile NNW
C9	USGS3133153	1/2 - 1 Mile East
E12	USGS3133157	1/2 - 1 Mile ESE
E13	USGS3133141	1/2 - 1 Mile ESE
F15	USGS3132901	1/2 - 1 Mile NE
F16	USGS3132902	1/2 - 1 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
17	USGS3133092	1/2 - 1 Mile SE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

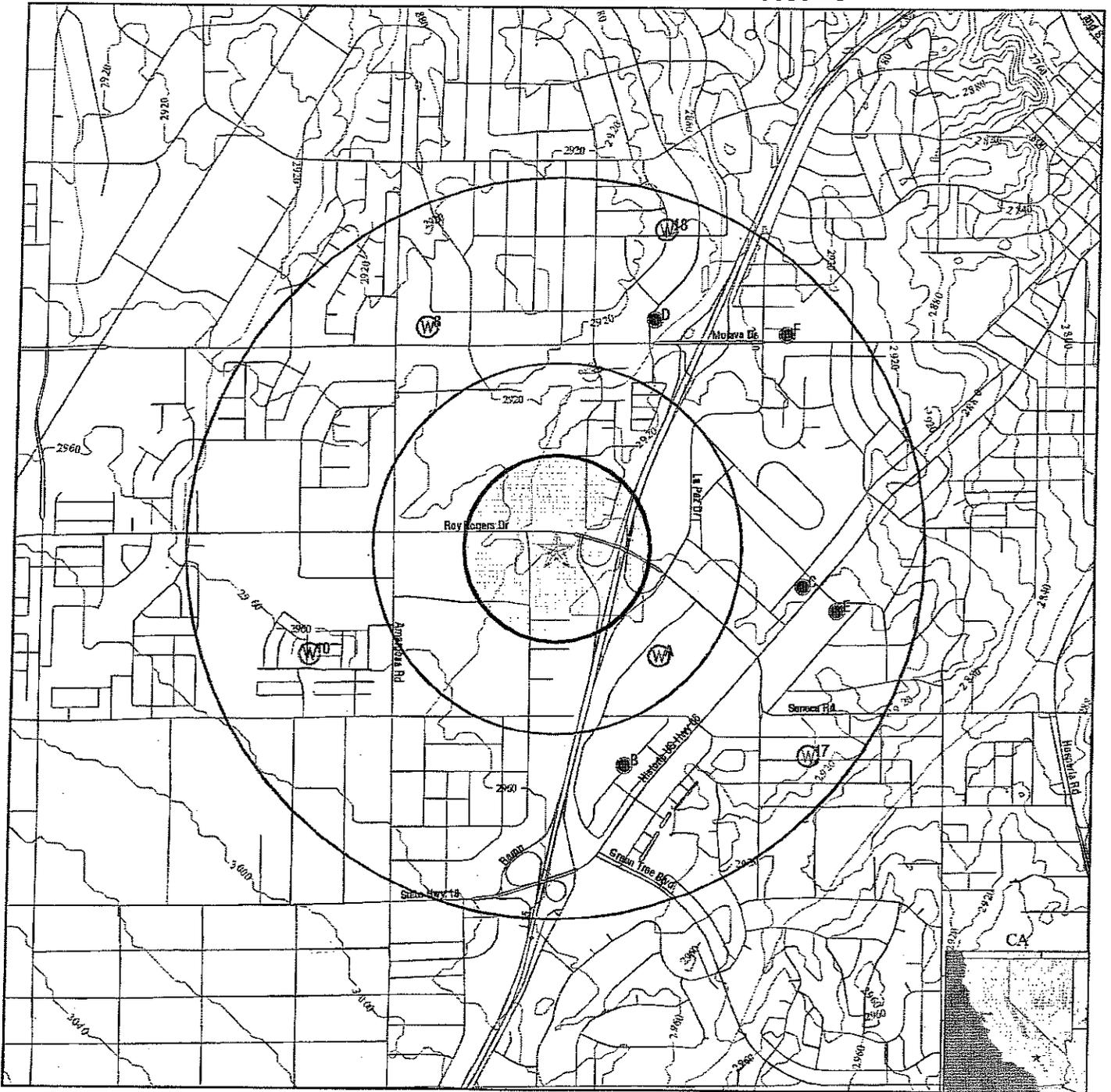
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

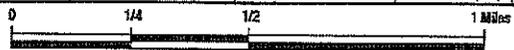
STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	5531	1/4 - 1/2 Mile SE
A2	5530	1/4 - 1/2 Mile SE
B3	CADW20000010692	1/2 - 1 Mile SSE
C5	CADW20000010748	1/2 - 1 Mile East
D6	CADW20000010842	1/2 - 1 Mile NNE
10	5529	1/2 - 1 Mile WSW
E11	CADW20000010745	1/2 - 1 Mile ESE
F14	CADW20000010822	1/2 - 1 Mile NE
18	5515	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 2373695.2s



- 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: Roy Rogers and Civic
ADDRESS: SEC of Roy Rogers and Civic Drive
 Victorville CA 92394
LAT/LONG: 34.5208 / 117.3225

CLIENT: Krazan & Associates, Inc.
CONTACT: Jim Kellogg
INQUIRY #: 2373695.2s
DATE: December 02, 2008 4:12 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
SE
1/4 - 1/2 Mile
Higher

CA WELLS 5531

Water System Information:

Prime Station Code:	05N/04W-20J02 S	User ID:	TAN
FRDS Number:	3610052013	County:	San Bernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	343100.0 1171900.0	Precision:	Undefined
Source Name:	WELL 15		
System Number:	3610052		
System Name:	VICTOR VALLEY WATER DISTRICT		
Organization That Operates System:			
	17185 Yuma Street		
	Victorville, CA 92392		
Pop Served:	49000	Connections:	16352
Area Served:	VICTORVILLE		
Sample Collected:	08/03/2005 00:00:00	Findings:	2.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/20/2005 00:00:00	Findings:	2.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	10/06/2004 00:00:00	Findings:	2.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/19/2004 00:00:00	Findings:	2.5 UG/L
Chemical:	CHROMIUM (TOTAL CR-CRVI SCREEN)		
Sample Collected:	07/19/2004 00:00:00	Findings:	570 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07/19/2004 00:00:00	Findings:	12.58
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/19/2004 00:00:00	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/19/2004 00:00:00	Findings:	251 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/19/2004 00:00:00	Findings:	23.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/19/2004 00:00:00	Findings:	202 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/19/2004 00:00:00	Findings:	8.33
Chemical:	PH, FIELD		
Sample Collected:	07/19/2004 00:00:00	Findings:	8.9
Chemical:	PH, LABORATORY		
Sample Collected:	07/19/2004 00:00:00	Findings:	83.5 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/19/2004 00:00:00	Findings:	99.5 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/19/2004 00:00:00	Findings:	5.14 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	07/19/2004 00:00:00	Findings:	51.1 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/19/2004 00:00:00	Findings:	17 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	2.1 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	26 MG/L
Chemical:	SODIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	1.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	6.3 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/19/2004 00:00:00	Findings:	.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/19/2004 00:00:00	Findings:	2.2 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/19/2004 00:00:00	Findings:	130 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/19/2004 00:00:00	Findings:	.68
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	07/19/2004 00:00:00	Findings:	.1 MG/L
Chemical:	HYDROXIDE ALKALINITY		
Sample Collected:	07/19/2004 00:00:00	Findings:	2.51 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/05/2004 00:00:00	Findings:	3.6 UG/L
Chemical:	ARSENIC		
Sample Collected:	04/05/2004 00:00:00	Findings:	.307 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	01/21/2004 00:00:00	Findings:	.402 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	01/21/2004 00:00:00	Findings:	2.7 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/22/2003 00:00:00	Findings:	22.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/22/2003 00:00:00	Findings:	240 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/22/2003 00:00:00	Findings:	8.27
Chemical:	PH, FIELD		
Sample Collected:	07/22/2003 00:00:00	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	07/22/2003 00:00:00	Findings:	90 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/22/2003 00:00:00	Findings:	110 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/22/2003 00:00:00	Findings:	74 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	07/22/2003 00:00:00	Findings:	24 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/22/2003 00:00:00	Findings:	4 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/22/2003 00:00:00	Findings:	23 MG/L
Chemical:	SODIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/22/2003 00:00:00	Findings:	1.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/22/2003 00:00:00	Findings:	13 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/22/2003 00:00:00	Findings:	.16 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/22/2003 00:00:00	Findings:	18 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/22/2003 00:00:00	Findings:	.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/22/2003 00:00:00	Findings:	4.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/22/2003 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/22/2003 00:00:00	Findings:	1100 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	04/01/2003 00:00:00	Findings:	.58 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/07/2003 00:00:00	Findings:	4.1 UG/L
Chemical:	ARSENIC		
Sample Collected:	12/10/2002 00:00:00	Findings:	3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	12/10/2002 00:00:00	Findings:	24 UG/L
Chemical:	VANADIUM		
Sample Collected:	11/19/2002 00:00:00	Findings:	.64 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/10/2002 00:00:00	Findings:	2.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/10/2002 00:00:00	Findings:	4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/10/2002 00:00:00	Findings:	130 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/10/2002 00:00:00	Findings:	46 UG/L
Chemical:	VANADIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	22.5 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	09/10/2002 00:00:00	Findings:	220 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/10/2002 00:00:00	Findings:	7.9
Chemical:	PH, LABORATORY		
Sample Collected:	09/10/2002 00:00:00	Findings:	88 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	09/10/2002 00:00:00	Findings:	110 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	09/10/2002 00:00:00	Findings:	60 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	09/10/2002 00:00:00	Findings:	19 MG/L
Chemical:	CALCIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/10/2002 00:00:00	Findings:	900 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	09/10/2002 00:00:00	Findings:	26 MG/L
Chemical:	SODIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	1.7 MG/L
Chemical:	POTASSIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	12 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/10/2002 00:00:00	Findings:	.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	05/30/2002 00:00:00	Findings:	8.34
Chemical:	PH, FIELD		
Sample Collected:	05/30/2002 00:00:00	Findings:	3.1 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	05/30/2002 00:00:00	Findings:	17 UG/L
Chemical:	VANADIUM		
Sample Collected:	04/09/2002 00:00:00	Findings:	.05 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	04/09/2002 00:00:00	Findings:	19 MG/L
Chemical:	SILICA		
Sample Collected:	01/08/2002 00:00:00	Findings:	.62 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/08/2002 00:00:00	Findings:	3 UG/L
Chemical:	ARSENIC		

AZ
SE
1/4 - 1/2 Mile
Higher

CA WELLS 5530

Water System Information:

Prime Station Code:	05N/04W-20B01 S	User ID:	TAN
FRDS Number:	3610052008	County:	San Bernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	343100.0 1171900.0	Precision:	Undefined
Source Name:	WELL 10		
System Number:	3610052		
System Name:	VICTOR VALLEY WATER DISTRICT		
Organization That Operates System:	17185 Yuma Street Victorville, CA 92392		
Pop Served:	49000	Connections:	16352
Area Served:	VICTORVILLE		
Sample Collected:	07/19/2004 00:00:00	Findings:	3.5 UG/L
Chemical:	CHROMIUM (TOTAL CR-CRVI SCREEN)		
Sample Collected:	07/19/2004 00:00:00	Findings:	570 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07/19/2004 00:00:00	Findings:	12.34
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/19/2004 00:00:00	Findings:	.55 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/19/2004 00:00:00	Findings:	320 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/19/2004 00:00:00	Findings:	24 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/19/2004 00:00:00	Findings:	204 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/19/2004 00:00:00	Findings:	8.51
Chemical:	PH, FIELD		
Sample Collected:	07/19/2004 00:00:00	Findings:	8.8
Chemical:	PH, LABORATORY		
Sample Collected:	07/19/2004 00:00:00	Findings:	84.3 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/19/2004 00:00:00	Findings:	101 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/19/2004 00:00:00	Findings:	4.14 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	07/19/2004 00:00:00	Findings:	35.7 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	07/19/2004 00:00:00	Findings:	12 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	1.4 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	32 MG/L
Chemical:	SODIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	1.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	6.5 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/19/2004 00:00:00	Findings:	.23 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/19/2004 00:00:00	Findings:	3.9 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/19/2004 00:00:00	Findings:	130 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/19/2004 00:00:00	Findings:	.44
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	07/19/2004 00:00:00	Findings:	.1 MG/L
Chemical:	HYDROXIDE ALKALINITY		
Sample Collected:	07/19/2004 00:00:00	Findings:	2.51 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/05/2004 00:00:00	Findings:	6.5 UG/L
Chemical:	ARSENIC		
Sample Collected:	01/06/2004 00:00:00	Findings:	5.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	01/06/2004 00:00:00	Findings:	.2 PC/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	10/08/2003 00:00:00	Findings:	4 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/16/2003 00:00:00	Findings:	25.1 C
Chemical:	SOURCE TEMPERATURE C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/16/2003 00:00:00	Findings:	200 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/16/2003 00:00:00	Findings:	8.68
Chemical:	PH, FIELD		
Sample Collected:	07/16/2003 00:00:00	Findings:	8
Chemical:	PH, LABORATORY		
Sample Collected:	07/16/2003 00:00:00	Findings:	86 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	07/16/2003 00:00:00	Findings:	100 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/16/2003 00:00:00	Findings:	44 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	07/16/2003 00:00:00	Findings:	14 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/16/2003 00:00:00	Findings:	1.4 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/16/2003 00:00:00	Findings:	31 MG/L
Chemical:	SODIUM		
Sample Collected:	07/16/2003 00:00:00	Findings:	1.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/16/2003 00:00:00	Findings:	8.2 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/16/2003 00:00:00	Findings:	.17 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/16/2003 00:00:00	Findings:	3.2 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/16/2003 00:00:00	Findings:	64 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/16/2003 00:00:00	Findings:	.47 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/16/2003 00:00:00	Findings:	120 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/16/2003 00:00:00	Findings:	2.5 MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	07/16/2003 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/16/2003 00:00:00	Findings:	560 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	04/01/2003 00:00:00	Findings:	4.6 UG/L
Chemical:	ARSENIC		
Sample Collected:	04/01/2003 00:00:00	Findings:	.56 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/07/2003 00:00:00	Findings:	5.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	12/18/2002 00:00:00	Findings:	3.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	12/10/2002 00:00:00	Findings:	3.9 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	12/10/2002 00:00:00	Findings:	33 UG/L
Chemical:	VANADIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11/19/2002 00:00:00	Findings:	.53 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/10/2002 00:00:00	Findings:	6 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/10/2002 00:00:00	Findings:	3.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/10/2002 00:00:00	Findings:	130 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/10/2002 00:00:00	Findings:	63 UG/L
Chemical:	VANADIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	23 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	09/10/2002 00:00:00	Findings:	210 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/10/2002 00:00:00	Findings:	8.2
Chemical:	PH, LABORATORY		
Sample Collected:	09/10/2002 00:00:00	Findings:	98 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	09/10/2002 00:00:00	Findings:	120 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	09/10/2002 00:00:00	Findings:	42 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	09/10/2002 00:00:00	Findings:	13 MG/L
Chemical:	CALCIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	700 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	09/10/2002 00:00:00	Findings:	32 MG/L
Chemical:	SODIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	1.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	10 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/10/2002 00:00:00	Findings:	.22 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	09/10/2002 00:00:00	Findings:	2.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	05/31/2002 00:00:00	Findings:	8.37
Chemical:	PH, FIELD		
Sample Collected:	05/31/2002 00:00:00	Findings:	3.4 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	05/31/2002 00:00:00	Findings:	15 UG/L
Chemical:	VANADIUM		
Sample Collected:	04/09/2002 00:00:00	Findings:	.06 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	04/09/2002 00:00:00	Findings:	18 MG/L
Chemical:	SILICA		
Sample Collected:	04/09/2002 00:00:00	Findings:	4.5 UG/L
Chemical:	ARSENIC		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/08/2002 00:00:00	Findings:	.61 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/08/2002 00:00:00	Findings:	12 UG/L
Chemical:	ARSENIC		

B3
SSE
 1/2 - 1 Mile
 Higher

CA WELLS CADW20000010692

Longitude:	117.3187
Latitude:	34.5124
Stwellno:	05N04W20B001S
Districtco:	3
Welluseco:	P
Countycode:	36
Gwcode:	604200
Site id:	CADW20000010692

B4
SSE
 1/2 - 1 Mile
 Higher

FED USGS USGS3133089

Agency cd:	USGS	Site no:	343045117190601
Site name:	005N004W20B001S		
Latitude:	343044.46		
Longitude:	1171907.13	Dec lat:	34.51235
Dec lon:	-117.31864722	Coord meth:	G
Coord accur:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	VICTORVILLE SE	Map scale:	24000
Altitude:	2943		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Mojave, California. Area = 4580 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	195305
Date inventoried:	19570320	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	530	Hole depth:	530
Source of depth data:	logs		
Project number:	967749729		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	2002-06-03	Water quality data begin date:	2002-06-03
Ground water data begin date:	1957-03-20	Water quality data count:	2
Ground water data count:	11	Ground water data end date:	2004-03-01

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 11

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-01	219.8		2004-02-01	213.5	
2004-01-01	216.2		2002-08-01	226	
2002-05-01	215		2002-03-01	210	
2002-02-01	215		2002-01-01	215	
2000-02-01	187.3		2000-01-01	187.8	
1957-03-20	153.15				

C5
East
1/2 - 1 Mile
Lower

CA WELLS CADW20000010748

Longitude: 117.3103
Latitude: 34.5194
Stwellno: 05N04W16M002S
Districtco: 3
Welluseco: U
Countycode: 36
Gwcode: 604200
Site id: CADW20000010748

D6
NNE
1/2 - 1 Mile
Lower

CA WELLS CADW20000010842

Longitude: 117.3176
Latitude: 34.5298
Stwellno: 05N04W08Q001S
Districtco: 3
Welluseco: P
Countycode: 36
Gwcode: 604200
Site id: CADW20000010842

D7
NNE
1/2 - 1 Mile
Lower

FED USGS USGS3132909

Agency cd:	USGS	Site no:	343146117190401
Site name:	005N004W08Q001S		
Latitude:	343147.4		
Longitude:	1171903.5	Dec lat:	34.52983333
Dec lon:	-117.31763889	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	VICTORVILLE	Map scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 2894.6
 Altitude method: Level or other surveying method
 Altitude accuracy: 0.1
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Mojave, California. Area = 4580 sq.mi.
 Topographic: Alluvial fan
 Site type: Ground-water other than Spring Date construction: 19530201
 Date inventoried: 19940105 Mean greenwich time offset: PST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 400 Hole depth: Not Reported
 Source of depth data: owner
 Project number: 470642400
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 1994-01-05
 Water quality data end date: 2002-06-03 Water quality data count: 3
 Ground water data begin date: 1994-01-05 Ground water data end date: 2004-03-17
 Ground water data count: 7

Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-17					
Note: The site was being pumped.					
2004-03-01	175.1		2004-02-01	169.1	
2004-01-01	170.3		1998-04-16	160.6	
1996-04-12	161.20		1994-01-05	183.90	

8

NNW
 1/2 - 1 Mile
 Lower

FED USGS USGS3132910

Agency cd: USGS Site no: 343146117194401
 Site name: 005N004W08N001S
 Latitude: 343146.1
 Longitude: 1171944 Dec lat: 34.52947222
 Dec lon: -117.32888889 Coord meth: G
 Coord acc: 5 Latlong datum: NAD83
 Dec latlong datum: NAD83 District: 06
 State: 06 County: 071
 Country: US Land net: Not Reported
 Location map: VICTORVILLE Map scale: 24000
 Altitude: 2934
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 10
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Not Reported
 Topographic: Not Reported
 Site type: Ground-water other than Spring Date construction: Not Reported
 Date inventoried: 20010615 Mean greenwich time offset: PST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: Not Reported Hole depth: Not Reported
 Source of depth data: Not Reported
 Project number: Not Reported
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 2002-06-06
 Ground water data begin date: 2004-01-01
 Ground water data count: 3

Water quality data begin date: 2001-05-17
 Water quality data count: 4
 Ground water data end date: 2004-03-01

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-01	206.4		2004-02-01	198.1	
2004-01-01	199.5				

C9
 East
 1/2 - 1 Mile
 Lower

FED USGS USGS3133153

Agency cd:	USGS	Site no:	343110117183401
Site name:	005N004W16M002S		
Latitude:	343110		
Longitude:	1171834	Dec lat:	34.51944043
Declon:	-117.31032346	Coor meth:	M
Coor acc:	U	Latlong datum:	NAD27
Declatlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	VICTORVILLE SE	Map scale:	Not Reported
Altitude:	2941		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Mojave, California. Area = 4580 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	1950
Date inventoried:	19570320	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-03-20	Ground water data end date:	1957-03-20
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1957-03-20	156.49	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

 10
 WSW
 1/2 - 1 Mile
 Higher

Database EDR ID Number

 CA WELLS 5529

Water System Information:

Prime Station Code:	05N/04W-19J01 S	User ID:	TAN
FRDS Number:	3610052007	County:	San Bernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	343100.0 1172000.0	Precision:	Undefined
Source Name:	WELL 09		
System Number:	3610052		
System Name:	VICTOR VALLEY WATER DISTRICT		
Organization That Operates System:			

	17185 Yuma Street Victorville, CA 92392
Pop Served:	49000
Area Served:	VICTORVILLE
Sample Collected:	10/22/2007 00:00:00
Chemical:	ARSENIC
Sample Collected:	07/23/2007 00:00:00
Chemical:	SPECIFIC CONDUCTANCE
Sample Collected:	07/23/2007 00:00:00
Chemical:	PH, LABORATORY
Sample Collected:	07/23/2007 00:00:00
Chemical:	ALKALINITY (TOTAL) AS CaCO3
Sample Collected:	07/23/2007 00:00:00
Chemical:	BICARBONATE ALKALINITY
Sample Collected:	07/23/2007 00:00:00
Chemical:	CARBONATE ALKALINITY
Sample Collected:	07/23/2007 00:00:00
Chemical:	HARDNESS (TOTAL) AS CaCO3
Sample Collected:	07/23/2007 00:00:00
Chemical:	CALCIUM
Sample Collected:	07/23/2007 00:00:00
Chemical:	MAGNESIUM
Sample Collected:	07/23/2007 00:00:00
Chemical:	SODIUM
Sample Collected:	07/23/2007 00:00:00
Chemical:	CHLORIDE
Sample Collected:	07/23/2007 00:00:00
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)
Sample Collected:	07/23/2007 00:00:00
Chemical:	ARSENIC
Sample Collected:	07/23/2007 00:00:00
Chemical:	CHROMIUM, HEXAVALENT
Sample Collected:	07/23/2007 00:00:00
Chemical:	VANADIUM
Sample Collected:	07/23/2007 00:00:00
Chemical:	TOTAL DISSOLVED SOLIDS

Connections:	16352
Findings:	6.2 UG/L
Findings:	200 US
Findings:	8.7
Findings:	86 MG/L
Findings:	100 MG/L
Findings:	3.3 MG/L
Findings:	9 MG/L
Findings:	3.4 MG/L
Findings:	.12 MG/L
Findings:	41 MG/L
Findings:	5.2 MG/L
Findings:	.3 MG/L
Findings:	5.7 UG/L
Findings:	6.1 UG/L
Findings:	33 UG/L
Findings:	116 MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/23/2007 00:00:00	Findings:	- .2
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	07/23/2007 00:00:00	Findings:	3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/23/2007 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/23/2007 00:00:00	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/23/2007 00:00:00	Findings:	670 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	06/20/2007 00:00:00	Findings:	5.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/20/2006 00:00:00	Findings:	3.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/03/2005 00:00:00	Findings:	2.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/06/2004 00:00:00	Findings:	4 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/19/2004 00:00:00	Findings:	5.6 UG/L
Chemical:	CHROMIUM (TOTAL CR-CRVI SCREEN)		
Sample Collected:	07/19/2004 00:00:00	Findings:	770 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07/19/2004 00:00:00	Findings:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/19/2004 00:00:00	Findings:	.3 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/19/2004 00:00:00	Findings:	157 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/19/2004 00:00:00	Findings:	27.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/19/2004 00:00:00	Findings:	195 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/19/2004 00:00:00	Findings:	9.12
Chemical:	PH, FIELD		
Sample Collected:	07/19/2004 00:00:00	Findings:	9.1
Chemical:	PH, LABORATORY		
Sample Collected:	07/19/2004 00:00:00	Findings:	84.3 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/19/2004 00:00:00	Findings:	99.1 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/19/2004 00:00:00	Findings:	8.11 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	07/19/2004 00:00:00	Findings:	9.27 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	07/19/2004 00:00:00	Findings:	3.5 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	.13 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	42 MG/L
Chemical:	SODIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/19/2004 00:00:00	Findings:	5 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/19/2004 00:00:00	Findings:	.29 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/19/2004 00:00:00	Findings:	5.6 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/19/2004 00:00:00	Findings:	110 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/19/2004 00:00:00	Findings:	2
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	07/19/2004 00:00:00	Findings:	.2 MG/L
Chemical:	HYDROXIDE ALKALINITY		
Sample Collected:	07/19/2004 00:00:00	Findings:	3.39 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/05/2004 00:00:00	Findings:	.433 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	04/05/2004 00:00:00	Findings:	7.6 UG/L
Chemical:	ARSENIC		
Sample Collected:	01/06/2004 00:00:00	Findings:	7.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	01/06/2004 00:00:00	Findings:	.17 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	10/08/2003 00:00:00	Findings:	5.9 UG/L
Chemical:	ARSENIC		
Sample Collected:	10/06/2003 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/06/2003 00:00:00	Findings:	11.85
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	10/06/2003 00:00:00	Findings:	790 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	10/06/2003 00:00:00	Findings:	.769 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/06/2003 00:00:00	Findings:	.568 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	10/06/2003 00:00:00	Findings:	99 PCI/L
Chemical:	TRITIUM COUNTING ERROR		
Sample Collected:	10/06/2003 00:00:00	Findings:	.02 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		
Sample Collected:	10/06/2003 00:00:00	Findings:	.21 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	10/06/2003 00:00:00	Findings:	.23 PCI/L
Chemical:	COMBINED RA 226 + RA 228 COUNTING ERROR		
Sample Collected:	10/06/2003 00:00:00	Findings:	.27 PCI/L
Chemical:	STRONTIUM-90 COUNTING ERROR		
Sample Collected:	10/06/2003 00:00:00	Findings:	.68 PCI/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	10/06/2003 00:00:00	Findings:	120 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/06/2003 00:00:00	Findings:	.68
Chemical:	LANGELIER INDEX @ 60 C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/06/2003 00:00:00	Findings:	.11
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	10/06/2003 00:00:00	Findings:	3.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/06/2003 00:00:00	Findings:	26.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	10/06/2003 00:00:00	Findings:	190 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10/06/2003 00:00:00	Findings:	8.89
Chemical:	PH, FIELD		
Sample Collected:	10/06/2003 00:00:00	Findings:	8.4
Chemical:	PH, LABORATORY		
Sample Collected:	10/06/2003 00:00:00	Findings:	92 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	10/06/2003 00:00:00	Findings:	85 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10/06/2003 00:00:00	Findings:	13 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	10/06/2003 00:00:00	Findings:	23 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	10/06/2003 00:00:00	Findings:	4 MG/L
Chemical:	CALCIUM		
Sample Collected:	10/06/2003 00:00:00	Findings:	3.8 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10/06/2003 00:00:00	Findings:	40 MG/L
Chemical:	SODIUM		
Sample Collected:	10/06/2003 00:00:00	Findings:	7.8 MG/L
Chemical:	CHLORIDE		
Sample Collected:	10/06/2003 00:00:00	Findings:	.34 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	10/06/2003 00:00:00	Findings:	7.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	10/06/2003 00:00:00	Findings:	5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	10/06/2003 00:00:00	Findings:	38 UG/L
Chemical:	NICKEL		
Sample Collected:	10/06/2003 00:00:00	Findings:	34 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/16/2003 00:00:00	Findings:	26.7 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/16/2003 00:00:00	Findings:	190 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/16/2003 00:00:00	Findings:	9.01
Chemical:	PH, FIELD		
Sample Collected:	07/16/2003 00:00:00	Findings:	8.3
Chemical:	PH, LABORATORY		
Sample Collected:	07/16/2003 00:00:00	Findings:	86 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/16/2003 00:00:00	Findings:	110 MG/L
Chemical:	BICARBONATE ALKALINITY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/16/2003 00:00:00	Findings:	16 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	07/16/2003 00:00:00	Findings:	3.8 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/16/2003 00:00:00	Findings:	36 MG/L
Chemical:	SODIUM		
Sample Collected:	07/16/2003 00:00:00	Findings:	.29 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/16/2003 00:00:00	Findings:	3.9 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/16/2003 00:00:00	Findings:	79 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/16/2003 00:00:00	Findings:	.5 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/16/2003 00:00:00	Findings:	95 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/16/2003 00:00:00	Findings:	3.3 MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	07/16/2003 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/16/2003 00:00:00	Findings:	750 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	04/07/2003 00:00:00	Findings:	.6 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/07/2003 00:00:00	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	04/07/2003 00:00:00	Findings:	.98 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	04/07/2003 00:00:00	Findings:	740 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	04/07/2003 00:00:00	Findings:	110 PC/L
Chemical:	TRITIUM COUNTING ERROR		
Sample Collected:	04/07/2003 00:00:00	Findings:	.054 PC/L
Chemical:	RADIUM 226 COUNTING ERROR		
Sample Collected:	04/07/2003 00:00:00	Findings:	.45 PC/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	04/07/2003 00:00:00	Findings:	.504 PC/L
Chemical:	COMBINED RA 226 + RA 228 COUNTING ERROR		
Sample Collected:	04/07/2003 00:00:00	Findings:	.25 PC/L
Chemical:	STRONTIUM-90 COUNTING ERROR		
Sample Collected:	04/07/2003 00:00:00	Findings:	120 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/07/2003 00:00:00	Findings:	1.13
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	04/07/2003 00:00:00	Findings:	.53
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	04/07/2003 00:00:00	Findings:	3.3 MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	04/07/2003 00:00:00	Findings:	24.8 C
Chemical:	SOURCE TEMPERATURE C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/07/2003 00:00:00	Findings:	190 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/07/2003 00:00:00	Findings:	9.11
Chemical:	PH, FIELD		
Sample Collected:	04/07/2003 00:00:00	Findings:	8.2
Chemical:	PH, LABORATORY		
Sample Collected:	04/07/2003 00:00:00	Findings:	91 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	04/07/2003 00:00:00	Findings:	110 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/07/2003 00:00:00	Findings:	24 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	04/07/2003 00:00:00	Findings:	6.9 MG/L
Chemical:	CALCIUM		
Sample Collected:	04/07/2003 00:00:00	Findings:	45 MG/L
Chemical:	SODIUM		
Sample Collected:	04/07/2003 00:00:00	Findings:	7.4 MG/L
Chemical:	CHLORIDE		
Sample Collected:	04/07/2003 00:00:00	Findings:	.25 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	04/07/2003 00:00:00	Findings:	5 UG/L
Chemical:	ARSENIC		
Sample Collected:	04/07/2003 00:00:00	Findings:	7.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	04/07/2003 00:00:00	Findings:	17 UG/L
Chemical:	NICKEL		
Sample Collected:	04/07/2003 00:00:00	Findings:	95 UG/L
Chemical:	VANADIUM		
Sample Collected:	04/07/2003 00:00:00	Findings:	.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/07/2003 00:00:00	Findings:	.7 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/01/2003 00:00:00	Findings:	6.7 UG/L
Chemical:	ARSENIC		
Sample Collected:	04/01/2003 00:00:00	Findings:	.46 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/07/2003 00:00:00	Findings:	7.7 UG/L
Chemical:	ARSENIC		
Sample Collected:	12/17/2002 00:00:00	Findings:	9.13
Chemical:	PH, FIELD		
Sample Collected:	12/17/2002 00:00:00	Findings:	5.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	12/17/2002 00:00:00	Findings:	6.7 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	12/17/2002 00:00:00	Findings:	28 UG/L
Chemical:	VANADIUM		
Sample Collected:	11/20/2002 00:00:00	Findings:	.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/20/2002 00:00:00	Findings:	41 MG/L
Chemical:	SODIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/20/2002 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/20/2002 00:00:00	Findings:	3.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/20/2002 00:00:00	Findings:	120 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/20/2002 00:00:00	Findings:	35 UG/L
Chemical:	VANADIUM		
Sample Collected:	08/20/2002 00:00:00	Findings:	25 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/20/2002 00:00:00	Findings:	190 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/20/2002 00:00:00	Findings:	8.7
Chemical:	PH, LABORATORY		
Sample Collected:	08/20/2002 00:00:00	Findings:	90 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08/20/2002 00:00:00	Findings:	83 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/20/2002 00:00:00	Findings:	13 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/20/2002 00:00:00	Findings:	37 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	08/20/2002 00:00:00	Findings:	4.5 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/20/2002 00:00:00	Findings:	720 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	08/20/2002 00:00:00	Findings:	7.5 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/20/2002 00:00:00	Findings:	.36 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/20/2002 00:00:00	Findings:	5 UG/L
Chemical:	ARSENIC		
Sample Collected:	05/31/2002 00:00:00	Findings:	9.09
Chemical:	PH, FIELD		
Sample Collected:	05/31/2002 00:00:00	Findings:	5.9 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	05/31/2002 00:00:00	Findings:	36 UG/L
Chemical:	VANADIUM		
Sample Collected:	04/18/2002 00:00:00	Findings:	.04 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	04/18/2002 00:00:00	Findings:	13 MG/L
Chemical:	SILICA		
Sample Collected:	04/18/2002 00:00:00	Findings:	7 UG/L
Chemical:	ARSENIC		
Sample Collected:	01/15/2002 00:00:00	Findings:	.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/15/2002 00:00:00	Findings:	5.3 UG/L
Chemical:	ARSENIC		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

E11
ESE
1/2 - 1 Mile
Higher

Database EDR ID Number

CA WELLS CADW20000010745

Longitude: 117.3089
Latitude: 34.5185
Stwellno: 05N04W16M001S
Districtco: 3
Welluseco: P
Countycode: 36
Gwcode: 604200
Site id: CADW20000010745

E12
ESE
1/2 - 1 Mile
Higher

FED USGS USGS3133157

Agency cd:	USGS	Site no:	343112117183501
Site name:	005N004W16M001S		
Latitude:	343106.48		
Longitude:	1171832.16	Dec lat:	34.51846667
Dec lon:	-117.30893333	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	VICTORVILLE SE	Map scale:	24000
Altitude:	2943		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	North American Vertical Datum of 1988		
Hydrologic:	Mojave, California. Area = 4580 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	195008
Date inventoried:	20030623	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	492	Hole depth:	492
Source of depth data:	logs		
Project number:	967749729		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-03-20	Ground water data end date:	2004-03-01
Ground water data count:	7		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-01	208.7		2004-02-01	203.9	
2004-01-01	207.6		2002-01-01	176	
2000-03-01	196.2		2000-02-01	195.0	
1957-03-20	171.21				

Note: The site was being pumped.

E13

ESE

1/2 - 1 Mile

Higher

FED USGS

USGS3133141

Agency cd:	USGS	Site no:	343106117183101
Site name:	005N004W16M003S		
Latitude:	343106.25		
Longitude:	1171831.13	Dec lat:	34.51840278
Dec lon:	-117.30864722	Coor meth:	G
Coor accr:	5	Lat/long datum:	NAD83
Dec lat/long datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	VICTORVILLE	Map scale:	24000
Altitude:	2945		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	North American Vertical Datum of 1988		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20021002
Date inventoried:	20030529	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	530	Hole depth:	750
Source of depth data:	driller		
Project number:	967749729		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Daily flow data count:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data end date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data begin date:	Not Reported		
Water quality data end date:	Not Reported		
Water quality data count:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data end date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

F14

NE

1/2 - 1 Mile

Lower

CA WELLS

CADW20000010822

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Longitude: 117.3114
 Latitude: 34.5292
 Stwellno: 05N04W09N001S
 Districtco: 3
 Welluseco: X
 Countycode: 36
 Gwcode: 604200
 Site id: CADW20000010822

F15
NE
1/2 - 1 Mile
Lower

FED USGS USGS3132901

Agency cd:	USGS	Site no:	343145117183801
Site name:	005N004W09N001S		
Latitude:	343145		
Longitude:	1171838	Dec lat:	34.52916223
Dec lon:	-117.31143466	Coor meth:	M
Coor acc:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	VICTORVILLE	Map scale:	24000
Altitude:	2908		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Mojave, California. Area = 4580 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	1955
Date inventoried:	19570320	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	615	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-03-20	Ground water data end date:	1957-03-20
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1957-03-20	159.71	

F16
NE
1/2 - 1 Mile
Lower

FED USGS USGS3132902

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	343145117184201
Site name:	005N004W09N002S		
Latitude:	343145.8		
Longitude:	1171841.25	Dec lat:	34.52938889
Dec lon:	-117.31145833	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	VICTORVILLE	Map scale:	24000
Altitude:	2860		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	199902
Date inventoried:	20020603	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	640	Hole depth:	1000
Source of depth data:	owner		
Project number:	470657500		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	2002-06-03
Water quality data end date:	2002-06-03	Water quality data count:	2
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

17
SE
1/2 - 1 Mile
Higher

FED USGS USGS3133092

Agency cd:	USGS	Site no:	343046117183401
Site name:	005N004W21D001S		
Latitude:	343046		
Longitude:	1171834	Dec lat:	34.51277404
Dec lon:	-117.31032342	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	VICTORVILLE SE	Map scale:	Not Reported
Altitude:	2940		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Mojave, California. Area = 4580 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	1954
Date inventoried:	19570321	Mean greenwich time offset:	PST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported	Daily flow data begin date:	Not Reported
Peak flow data begin date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data count:	Not Reported	Peak flow data end date:	Not Reported
Water quality data end date:	Not Reported	Water quality data begin date:	Not Reported
Ground water data begin date:	Not Reported	Water quality data count:	Not Reported
Ground water data count:	Not Reported	Ground water data end date:	Not Reported

Ground-water levels, Number of Measurements: 0

18
NNE
1/2 - 1 Mile
Lower

CA WELLS 5515

Water System Information:

Prime Station Code:	05N/04W-08Q01 S	User ID:	TAN
FRDS Number:	3610052003	County:	San Bernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	343200.0 1171900.0	Precision:	Undefined
Source Name:	WELL 05		
System Number:	3610052		
System Name:	VICTOR VALLEY WATER DISTRICT		
Organization That Operates System:	17185 Yuma Street Victorville, CA 92392		
Pop Served:	49000	Connections:	16352
Area Served:	VICTORVILLE	Findings:	3 UG/L
Sample Collected:	10/25/2007 00:00:00	Chemical:	ARSENIC
Sample Collected:	07/23/2007 00:00:00	Findings:	237 US
Chemical:	SPECIFIC CONDUCTANCE	Findings:	8.3
Sample Collected:	07/23/2007 00:00:00	Findings:	86 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Findings:	100 MG/L
Sample Collected:	07/23/2007 00:00:00	Findings:	39 MG/L
Chemical:	BICARBONATE ALKALINITY	Findings:	13 MG/L
Sample Collected:	07/23/2007 00:00:00	Findings:	1.7 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3	Findings:	36 MG/L
Sample Collected:	07/23/2007 00:00:00	Findings:	1.6 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/23/2007 00:00:00	Findings:	
Chemical:	MAGNESIUM		
Sample Collected:	07/23/2007 00:00:00	Findings:	
Chemical:	SODIUM		
Sample Collected:	07/23/2007 00:00:00	Findings:	
Chemical:	POTASSIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/23/2007 00:00:00	Findings:	12 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/23/2007 00:00:00	Findings:	.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/23/2007 00:00:00	Findings:	2.5 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/23/2007 00:00:00	Findings:	4.6 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/23/2007 00:00:00	Findings:	20 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/23/2007 00:00:00	Findings:	144 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/23/2007 00:00:00	Findings:	5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/23/2007 00:00:00	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/23/2007 00:00:00	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/23/2007 00:00:00	Findings:	1100 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	06/21/2007 00:00:00	Findings:	3.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/20/2006 00:00:00	Findings:	3.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/07/2006 00:00:00	Findings:	.12 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/03/2005 00:00:00	Findings:	3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/06/2004 00:00:00	Findings:	3.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/19/2004 00:00:00	Findings:	3.8 UG/L
Chemical:	CHROMIUM (TOTAL CR-CRVI SCREEN)		
Sample Collected:	07/19/2004 00:00:00	Findings:	690 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07/19/2004 00:00:00	Findings:	12.03
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/19/2004 00:00:00	Findings:	24.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/19/2004 00:00:00	Findings:	202 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/19/2004 00:00:00	Findings:	8.58
Chemical:	PH, FIELD		
Sample Collected:	07/19/2004 00:00:00	Findings:	8.7
Chemical:	PH, LABORATORY		
Sample Collected:	07/19/2004 00:00:00	Findings:	77.9 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	07/19/2004 00:00:00	Findings:	93.6 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/19/2004 00:00:00	Findings:	3.05 MG/L
Chemical:	CARBONATE ALKALINITY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/19/2004 00:00:00	Findings:	23.9 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	07/19/2004 00:00:00	Findings:	8.1 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	.89 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	36 MG/L
Chemical:	SODIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	1.3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/19/2004 00:00:00	Findings:	6.7 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/19/2004 00:00:00	Findings:	.22 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/19/2004 00:00:00	Findings:	3.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/19/2004 00:00:00	Findings:	130 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/19/2004 00:00:00	Findings:	.13
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	07/19/2004 00:00:00	Findings:	.09 MG/L
Chemical:	HYDROXIDE ALKALINITY		
Sample Collected:	07/19/2004 00:00:00	Findings:	3.04 MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	07/19/2004 00:00:00	Findings:	374 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/19/2004 00:00:00	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/05/2004 00:00:00	Findings:	3.9 UG/L
Chemical:	ARSENIC		
Sample Collected:	01/06/2004 00:00:00	Findings:	3.7 UG/L
Chemical:	ARSENIC		
Sample Collected:	01/06/2004 00:00:00	Findings:	.26 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	07/14/2003 00:00:00	Findings:	23.5 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/14/2003 00:00:00	Findings:	200 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/14/2003 00:00:00	Findings:	8.68
Chemical:	PH, FIELD		
Sample Collected:	07/14/2003 00:00:00	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	07/14/2003 00:00:00	Findings:	86 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	07/14/2003 00:00:00	Findings:	100 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/14/2003 00:00:00	Findings:	36 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	07/14/2003 00:00:00	Findings:	8.5 MG/L
Chemical:	CALCIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/14/2003 00:00:00	Findings:	1.2 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/14/2003 00:00:00	Findings:	37 MG/L
Chemical:	SODIUM		
Sample Collected:	07/14/2003 00:00:00	Findings:	1.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/14/2003 00:00:00	Findings:	8.8 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/14/2003 00:00:00	Findings:	.17 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/14/2003 00:00:00	Findings:	27 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/14/2003 00:00:00	Findings:	57 UG/L
Chemical:	ZINC		
Sample Collected:	07/14/2003 00:00:00	Findings:	.54 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/14/2003 00:00:00	Findings:	120 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/14/2003 00:00:00	Findings:	3.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/14/2003 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/14/2003 00:00:00	Findings:	770 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	04/01/2003 00:00:00	Findings:	3.1 UG/L
Chemical:	ARSENIC		
Sample Collected:	04/01/2003 00:00:00	Findings:	.44 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/07/2003 00:00:00	Findings:	4.6 UG/L
Chemical:	ARSENIC		
Sample Collected:	12/18/2002 00:00:00	Findings:	3.2 UG/L
Chemical:	ARSENIC		
Sample Collected:	12/10/2002 00:00:00	Findings:	4.4 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	12/10/2002 00:00:00	Findings:	28 UG/L
Chemical:	VANADIUM		
Sample Collected:	11/19/2002 00:00:00	Findings:	.65 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/10/2002 00:00:00	Findings:	4 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/10/2002 00:00:00	Findings:	4.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/10/2002 00:00:00	Findings:	130 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/10/2002 00:00:00	Findings:	53 UG/L
Chemical:	VANADIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	24 C
Chemical:	SOURCE TEMPERATURE C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/10/2002 00:00:00	Findings:	200 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/10/2002 00:00:00	Findings:	8.2
Chemical:	PH, LABORATORY		
Sample Collected:	09/10/2002 00:00:00	Findings:	92 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	09/10/2002 00:00:00	Findings:	110 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	09/10/2002 00:00:00	Findings:	34 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	09/10/2002 00:00:00	Findings:	9.8 MG/L
Chemical:	CALCIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	970 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	09/10/2002 00:00:00	Findings:	36 MG/L
Chemical:	SODIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	1.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	09/10/2002 00:00:00	Findings:	11 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/10/2002 00:00:00	Findings:	.21 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	09/10/2002 00:00:00	Findings:	2.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	05/30/2002 00:00:00	Findings:	8.78
Chemical:	PH, FIELD		
Sample Collected:	05/30/2002 00:00:00	Findings:	4.2 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	05/30/2002 00:00:00	Findings:	23 UG/L
Chemical:	VANADIUM		
Sample Collected:	04/09/2002 00:00:00	Findings:	.04 UG/L
Chemical:	PHOSPHATE (AS PO ₄)		
Sample Collected:	04/09/2002 00:00:00	Findings:	17 MG/L
Chemical:	SILICA		
Sample Collected:	04/09/2002 00:00:00	Findings:	2.7 UG/L
Chemical:	ARSENIC		
Sample Collected:	01/08/2002 00:00:00	Findings:	.77 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/08/2002 00:00:00	Findings:	3.1 PCI/L
Chemical:	GROSS ALPHA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for SAN BERNARDINO County: 2

Note: Zone 1 indoor average level > 4 pCi/L
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L
 : Zone 3 indoor average level < 2 pCi/L

Federal Area Radon Information for SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

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. Amdt 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 Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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 Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Krazan & ASSOCIATES, INC.

GEOTECHNICAL ENGINEERING • ENVIRONMENTAL ENGINEERING
CONSTRUCTION TESTING & INSPECTION

December 4, 2008

Project No. 12408061

Civic Rogers, LLC
3 MacArthur Place
Suite 550
South Coast Metro, California 92707

RE: Reliance Letter
Phase I Environmental Site Assessment
Desert Oasis – Phase 3
SEC Intersection of
Civic Drive and Roy Rogers Drive
Victorville, California

Dear Ms. Wesley,

In accordance with your request, Krazan & Associates, Inc. (Krazan) hereby authorizes Civic Rogers, LLC and Bank of America to rely upon the referenced report as though Krazan issued it directly to Civic Rogers, LLC and Bank of America on the above-noted date. Such authorization is, however, expressly conditioned upon Civic Rogers, LLC and Bank of America acceptance of the terms, conditions, and limitations contained in Krazan's Proposal/Cost Estimate/Agreement submitted to and agreed upon by its client the Civic Rogers, LLC for the performance of said Phase I Environmental Site Assessment. No parties other than those named herein are entitled to rely upon the referenced report without first obtaining the express written consent of Krazan, and no party named herein is entitled to assign its right to rely on such report to a third party without the express written consent of Krazan.

If you have any questions or if we can be of further assistance, please do not hesitate to contact our office at (951) 694-0601.

Respectfully submitted,
KRAZAN & ASSOCIATES, INC.


James Kellogg
Project Manager

JMK/dw

SENSITIVE WILDLIFE SURVEY
and
**HABITAT ASSESSMENT FOR MOHAVE
GROUND SQUIRREL**

**DESERT OASIS PLAZA
PHASE 3**

**USGS VICTORVILLE, CA QUADRANGLE
TOWNSHIP 5 NORTH, RANGE 4 WEST, SECTION 17**

VICTORVILLE, CALIFORNIA

Owner/Applicant:

**Hall & Foreman, Inc.
14297 Cajon Avenue, Suite 101
Victorville, CA 92392**

Prepared by:

**RCA Associates, Inc.
15555 Main Street, # D4-235
Hesperia, CA 92345
(760) 261-1575
Project Number: #2008-18**

**Principal Investigators: Randall C. Arnold, Jr.
 Patricia Moore**

**Report Prepared By: Randall C. Arnold, Jr.
 Principal, & Senior Biologist
 (760) 261-1575**

Date Report Prepared: February 26, 2008

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EXECUTIVE SUMMARY

Focused sensitive wildlife surveys were conducted on a parcel located in Victorville, California to evaluate the site for the presence of sensitive wildlife species. This report covers the following species, which have been documented in the general region, or which may occur in the area, according to California Department of Fish and Game (CDFG) and U.S. Fish and Wildlife Service (USFWS). Surveys for these species were conducted as per survey guidelines established by CDFG and USFWS.

- Desert tortoise (*Gopherus agassizii*) (Threatened, CDFG and USFWS)
- Mohave ground squirrel (*Spermophilus mohavensis*) (Threatened, CDFG; USFWS species of special concern species)
- Burrowing owl (*Athene cunicularia*) (CDFG special concern species)
- Sharp-shinned hawk (*Accipiter striatus*) (CDFG special concern species)
- Loggerhead shrike (*Lanius ludovicianus*) (CDFG special concern species)

Two potential burrowing owl burrows were identified on the site and owl sign (i.e., whitewash) was noted at one of the burrows. Based on the presence of owl sign, additional surveys (e.g., breeding season surveys and pre-construction surveys) will be required prior to ground disturbance.

Desert tortoise habitat is located about seven miles to the north, and Mohave ground squirrels have historically occurred in the region. A more recent observation (1980) was recorded about three miles to the north (CNDDDB, 2006). However, based on the disturbed habitat conditions and the location of the property within a developed portion of the City, the site does not appear to support populations of the Mohave ground squirrel. Although, there are no documented observations of sharp-shinned hawks and logger-head shrikes in the region (CNDDDB, 2006), CDFG does require these species to be addressed as part of most biological surveys in the High Desert.

This biological report is valid for one year from the date of the survey as per CDFG and USFWS requirements, except for the burrowing owl. The survey results for the owl are valid for 30-days from the date of the survey.

PROJECT AND PROPERTY DESCRIPTION

The property site is approximately 11.86-acres in size and is located south of Roy Rogers Drive, and east of Civic Drive in the City of Victorville, California (T5N, R4W, Section 17) (Figures 1, 2, and 3, Appendix A). The elevation ranges from about 2,930 to 2,940 feet, MSL. The soils consisted primarily of disturbed, sandy-alluvials with some gravelly loam soils present. Temperatures during the February 21, 2008 survey ranged from the mid 50's (°F) to mid 60's (°F) (PM), with wind speeds of 5-10 mph, and 80 percent cloud coverage. The property is surrounded by commercial property and the Mojave Freeway borders the east side of the site.

The legal description is as follows:

THE NORTHEAST ¼ OF THE NORTHEAST ¼ OF THE SOUTHWEST ¼ OF SECTION 17, TOWNSHIP 5 NORTH, RANGE 4 WEST IN THE COTY OF VICTORVILLE, SAN BERNARDINO COUNTY, STATE OF CALIFORNIA.

FOCUSED STUDY/SPECIES OF CONCERN

This report covers five sensitive wildlife species including:

- Desert tortoise
- Mohave ground squirrel
- Burrowing owl
- Sharp-shinned hawk
- Loggerhead shrike

According to the California Natural Diversity Data Base (CNDDDB, 2006) the nearest documented occupied tortoise habitat is about seven miles north of the property (CNDDDB, 2006). Mohave ground squirrels also occur in the region and historic observations have been documented within one mile northeast of the site. The most recent observation recorded was in 1980 and is about three miles north of the site (CNDDDB, 2006). Two burrowing owl burrows were documented on the site and one burrow appears to be inhabited due to the presence of owl whitewash at the entrance to the burrow. Several active owl colonies have been documented in the area within 0.5 miles of the property (CNDDDB, 2006). There are no documented observations of the sharp-shinned hawk and loggerhead shrike in the region; however, these species could potentially occur in the area given their mobility.

METHODOLOGIES

Desert Tortoise: The site was surveyed from about 1500 hours to 1830 hours on February 21, 2008 using the standard survey protocol. The survey protocol for tortoises requires 10 meter, parallel transects in order to provide total coverage of a site. Weather conditions consisted of temperatures in the mid 50's to 60's (PM), wind speeds of 5-10 mph, and about 80 percent cloud coverage. Surveys were not conducted in the zone of influence (i.e., surrounding area) (ZOI) due to the presence of a shopping center, car dealership, houses, and Interstate 15. Field notes were recorded regarding native plant assemblages on the site, and the presence or absence of suitable tortoise foraging habitat was identified.

The survey was performed during a time of year (February) when tortoises are inactive; however, a search by a qualified biologist will reveal evidence of the presence or absence of tortoises on a site and in the surrounding area. A survey combined with identification of the habitat on and surrounding a property will further reveal the status of the tortoise on a site and give a good indication of the potential for future use of the site by tortoises. See Appendix B for general information on the desert tortoise.

Mohave ground squirrel: Mohave ground squirrels are inactive above ground during the winter months; therefore, the site was evaluated for the presence of vegetation communities commonly associated with Mohave ground squirrels. In addition, a background database search was performed using the CNDDDB (2006) Rarefind 3 along with supplemental data sources. Although, CDFG now typically requires live-trapping surveys to definitively determine the presence or absence of the squirrel, the presence or absence of suitable vegetation, habitat conditions, and the location of existing populations in relation to the site do provide some indication whether a property is likely to be inhabited by the species. See Appendix B for background information on the Mohave ground squirrel.

Burrowing Owl: During the preliminary evaluation (Phase I evaluation), it was determined that suitable habitat was present on the site for the burrowing owl. Therefore, a focused survey (Phase II survey) was performed on the site to determine the presence/absence of the species, as well as the presence/absence of suitable burrows. CDFG survey protocol requires surveys to be performed from two hours before sunset to one hour after sunset, or from one hour before sunrise to two hours after sunrise. Therefore, surveys were conducted at sunset on February 21, 2008 from about 1600 hours to about 1830 hours during which meandering transects were walked throughout the property until the entire site had been surveyed for owls.

Survey protocol requires that the centerlines of transects be no more than 30 meters apart to allow for 100 percent visual coverage. Surveys in areas surrounding the site are also required as per CDFG protocol; however, existing developments, Interstate 15, etc.

prevented surveys from being conducted in the ZOI. While conducting the on-site surveys, emphasis was placed on evaluating any burrows (e.g., coyote, fox, ground squirrel, etc.) since burrowing owls typically utilize burrows which have been dug by other animals.

Sharp-shinned Hawk and Loggerhead Shrike: There are no established survey protocols for these species; therefore, surveys were conducted in conjunction with those surveys performed for the desert tortoise and burrowing owl. The sharp-shinned hawk occurs primarily in mixed woodland habitats, whereas, Loggerhead shrikes typically occur in open desert scrub habitats.

GENERAL BIOLOGICAL SURVEY RESULTS

Descriptions of the vegetation and wildlife which occur on the site are provided below, and field notes are also provided in Appendix A.

Vegetation: The site has been disturbed as a result of past activities and currently supports a creosote bush community (Figure 3). Dominant perennials included creosote bush (*Larrea tridentata*), burrobrush (*Franseria dumosa*), ephedra (*Ephedra nevadensis*), Russian thistle (*Salosola tragus*), and Cooper's boxthorn (*Lycium cooperii*). Other perennials noted included cheesebush (*Hymnoclea salsola*), cholla (*Oppuntia sp.*), saltbush (*Atriplex canescens*), and paperbag plant (*Salazaria mexicana*) (Figure 3). Erodium (*Erodium sp.*), and fiddleneck (*Amsinckia tessellata*) were the only annuals identified.

General Wildlife: A jackrabbit (*Lepus californicus*) and California ground squirrels (*Spermophilus beecheyi*) were observed during the surveys and other mammals which may occur in the area include cotton-tail rabbits (*Sylvilagus auduboni*), antelope ground squirrels (*Ammospermophilus leucurus*), Merriam's kangaroo rats (*Dipodomys merriami*), and deer mice (*Peromyscus maniculatus*). Birds observed during the February surveys were limited to ravens (*Corvus corax*), sage sparrows (*Amphispiza belli*), song sparrow (*Melospiza melodia*), American robin (*Turdus migrartorius*), and mourning dove (*Zenaida macroura*). Reptiles such as side blotched lizards (*Uta stansburiana*), western whiptails (*Cnemidophorus tigris*), and desert spiny lizards (*Sceloporus magister*) are common in the area and may inhabit the site; although, none of these species were observed due to the time of year (February).

RARE, ENDANGERED OR SENSITIVE SPECIES AND HABITAT RESULTS

Note: The results of the surveys for the following species do not constitute authorization for the incidental take of any sensitive species discussed in this report. Only CDFG and USFWS can grant authorization for the take of any listed species.

Desert Tortoise: The habitat has been disturbed by past human activities and does not support populations of the desert tortoise (Figure 3 and Table 1, Appendix A). Occupied tortoise habitat does exist about seven miles to the north; however, there is a very low probability that tortoises would move into the area based on the presence of houses, shopping center, car dealership, and Interstate 15 in the immediate surrounding area. The survey conducted on the site is valid for one year from the date of survey as per USFWS and CDFG requirements.

Mohave Ground Squirrel: Based on the current disturbed habitat conditions, the absence of any recent observations in the area, and the numerous residential and commercial developments which surround the site, it is the opinion of RCA Associates that the site does not support populations of the Mohave ground squirrel. The survey results are valid for one year from the date of the survey.

Burrowing Owl: No burrowing owls were observed during the surveys, however, two occupiable burrows (i.e., abandoned coyote/fox burrows) were seen on the site. In addition, owl sign (i.e., whitewash) was noted at the entrance to one of the burrows indicating the presence of owls. The burrowing owl survey is valid for 30 days from the date of the survey as per CDFG survey guidelines.

Sharp-shinned Hawk and Loggerhead Shrike: Sharp-shinned hawks and loggerhead shrikes were not observed during the surveys, and there are no documented sightings of these species within the area surrounding the site (CNDDDB 2006). The sharp-skinned hawk occurs primarily in mixed woodland habitats, and loggerhead shrikes typically occur in open desert communities. Based on the absence of suitable habitat for the sharp-shinned hawk, this species is not expected to occur on the site; although, the shrike may occasionally utilize the property during foraging. The survey results are valid for one year from the date of the survey.

IMPACTS AND RECOMMENDATIONS

Desert Tortoise: The proposed project is not expected to impact the species given the absence of any tortoise sign on the site. In addition, the property is surrounded by existing residential and commercial developments, and is bordered on the east by Interstate 15 which reduces the likelihood of the species moving onto the site in the future. No additional surveys are recommended for this species at this time; however, if the species is observed during future development activities construction should cease immediately, and CDFG and USFWS should be contacted to discuss mitigations which may be required.

Mohave Ground Squirrel: Based on the existing habitat conditions and the presence of existing residential and commercial developments in the immediate area which limit migration of the species into the area, it is the opinion of RCA Associates that the site does not support populations of the Mohave ground squirrel. Future development activities are not expected to impact the species, and no additional surveys or mitigations are recommended.

Burrowing Owl: Owl sign was noted indicating the presence of the species on the site; therefore, the proposed development will impact the species. CDFG will require additional surveys be conducted (i.e., breeding season surveys and pre-construction survey) prior to site development to document the exact number of owls which are utilizing the site. CDFG may also require implementation of various mitigations measures to compensate for the impacts (see next section).

Sharp-shinned hawk and Loggerhead Shrike: Neither of these birds were seen during the surveys, and the proposed project is not expected to have any adverse impact on these birds. However, if either species is observed in the future, CDFG should be contacted to discuss applicable mitigation measures.

POTENTIAL MITIGATIONS MEASURES

As noted above, the site currently supports burrowing owls, and CDFG will require implementation of various mitigation measures. Potential mitigation measures are outlined below; however, CDFG should be contacted to discuss site-specific measures which should be implemented.

1. As compensation for the direct loss of burrowing owl nesting and foraging habitat, the project proponent shall mitigate by acquiring and permanently protecting known burrowing owl nesting and foraging habitat at the following ratio;

a) Replacement of occupied habitat with occupied habitat at 1.5 times 6.5 acres per pair or single bird;

b) Replacement of occupied habitat with habitat contiguous with occupied habitat at 2 times 6.5 acres per pair or single bird; and/or

c) Replacement of occupied habitat with suitable unoccupied habitat at 3 times 6.5 acres per pair or single bird.

The project proponent shall establish a non-wasting endowment account for the long-term management of the preservation site for burrowing owls. The site shall be managed for the benefit of burrowing owls. The preservation site, site management, and endowment shall be approved by the Department.

2. All owls associated with occupied burrows, that will be directly impacted (temporarily or permanently) by the project, shall be relocated and the following measures shall be implemented to avoid take of owls:

a) Occupied burrows shall not be disturbed during the nesting season of February 1 through August 31, unless a qualified biologist can verify through non-invasive methods that either the owls have not begun egg laying and incubation or that juveniles from the occupied burrows are foraging independently and are capable of independent flight.

b) Owls must be relocated by a qualified biologist from any occupied burrows that will be impacted by project activities. Suitable habitat must be available adjacent to or near the disturbance site or artificial burrows will need to be provided nearby. Once the biologist has confirmed that the owls have left the burrow, burrows should be excavated using hand tools and refilled to prevent reoccupation.

c) All relocation shall be approved by the Department. The permitted biologist shall monitor the relocated owls a minimum of three days per week for a minimum of three

weeks. A report summarizing the results of the relocation and monitoring shall be submitted to the Department within 30 days following completion of the relocation and monitoring of the owls.

3. A Burrowing Owl Mitigation and Monitoring Plan shall be submitted to the Department for review and approval prior to relocation of owls. The Burrowing Owl Mitigation and Monitoring Plan shall describe proposed relocation and monitoring plans. The plan shall include the number and location of occupied burrow sites and details on adjacent or nearby suitable habitat available to owls for relocation. If no suitable habitat is available nearby for relocation, details regarding the creation of artificial burrows (numbers, location, and type of burrows) shall also be included in the plan. The Plan shall also describe proposed off-site areas to preserve to compensate for impacts to burrowing owls/occupied burrows at the project site as required under Condition 1.

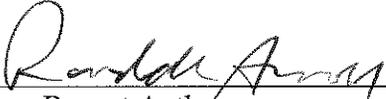
If any other sensitive species are observed on the site in the future, CDFG and USFWS (as applicable) should be contacted to discuss specific mitigation measures which may be required for the individual species.

REFERENCES

- California Department of Fish and Game
1990 California's Wildlife, Volumes 1, 2, and 3. Sacramento.
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- Holing, Dwight
1998 California Wild Lands. Chronical Books. San Francisco, CA. 211 pp.
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1986 Preliminary Description of the Terrestrial Natural Communities of California. Prepared for the California Natural Diversity Data Base. California Department of Fish and Game. Sacramento, California. 160 pp.
- Johnson, H.
1976 vegetation and Plant Communities of Southern California Deserts- a functional view. In Symposium proceedings: Plant communities of Southern California. June Latting, editor. California Native Plant Society, Spec. No. 2 Berkeley, CA.
- Luckenbach, Roger A.
1982 Ecology and Management of the Desert Tortoise (*Gopherus agassizii*) in California. In North American Tortoises: Conservation and Ecology. U.S. Department of Interior, Fish and Wildlife Service. Wildlife Research Report No. 12. pp. 1-36.
- U.S. Department of the Interior, Bureau of Land Management
1988 Desert Tortoise Habitat Management on the Public Lands: A Rangewide Plan. BLM, Washington, D.C. .
- 1988 Recommendations for Management of the Desert Tortoise in the California Desert Conservation Area. BLM, Riverside, CA.
- U.S. Department of the Interior, Fish and Wildlife Service.
1989 The Desert Tortoise Emergency and Proposed Listing. Portland , OR.
- 1989 Endangered and Threatened Wildlife and Plants; Desert Tortoise; Proposed Rule. Federal Register 50 CFR Part 17:42270-42278.
- 1990 Desert Tortoise Density Category Designation Maps. Maps obtained from Ray Bransfield, U.S.F.W.S. biologist, Laguna Niguel office, Laguna Niguel, CA.

CERTIFICATION

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this biological evaluation, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief. Field work conducted for this assessment was performed by me or under my direct supervision. I certify that I have not signed a non-disclosure or consultant confidentiality agreement with the project applicant or applicant's representative and that I have no financial interest in the project.

Date: 2-26-08 Signed: 
Report Author

Field Work Performed by: Randall Arnold
Senior Biologist

Field Work Performed By: Patricia Moore
Senior Biologist

APPENDIX A
TABLES AND FIGURES

Tables

Table 1 - Desert Tortoise Presence/Absence Form

Zone of Influence Tables for Desert Tortoise (Note: Zone of influence surveys were not conducted due to the presence of residential and commercial developments.)

Figures

Figure 1 - Vicinity Map

Figure 2 - Location of the Site

Figure 3 - Site Photographs

TABLE 1

M/D/Y
 Date 2-21-08
 Transect No. 1-21
 State California
 County San Bernardino
 City Victorville
 Recorder RA/PA
 Address _____
 Project Name _____
 Type of Project _____
Commercial
 Quad Name Victorville
 Scale 7 1/2
 Site Name _____
 T SW R. 4W Sec 17
 1/4 Sec SW 1/4 Sec NE
 UTM Zone _____
 Northing _____
 Easting _____
 Parcel No. _____

DESERT TORTOISE HANDBOOK 1992:

FORM FOR PRESENCE-OR-ABSENCE AND CLEARANCE SURVEYS

Project Site Zone of Influence | | _____ ft from Project Site
 Transect Length: ~650 ft 50 Width: 30 ft Other _____ ft Time _____
 Weather: Airtemp at: 5 cm 60 °F Surface _____ °C Cloud cover 80 %
 Rainfall 0 in Wind speed 5-10 MPH Rainfall in last 30 days 0 in
 Land Form (e.g., mesa, bajada, wash) Desert Plain - Disturbed
 % Slope: high _____ low X Aspect N/NW Elevation 2930 ft
 Soils Disturbed SANDY Alluvials 70-7940
 Vegetation: dominant perennials Cresote bush, brea bush, ephedra,
Russian thistle, Cooper's boxthorn
 dominant annuals Erodium & fiddleneck

Adjacent Land Use: up to 1 mi Shopping center, Interstate, car dealerships
 Soils SANDY Alluvial
 Vegetation Cresote bush community

Corrected Sign	TOTAL NUMBER OF		Shelter Sites Pallet/Burrow/Den Active/Inactive ¹	Scats ²	Shell Remains ³
	Live Tortoises Adult/Juv.				
0	A=0	J=0	0	M=0 F=0 Unk=0	A=0 J=0 Unk=0

Tracks	Eggshell Fragments	Drinking Sites	Courtship Rings	Other	Neotoma Middens w/sign	Middens w/o sign
0	0	0	0	0	0	0

SIGNS OF HUMAN DISTURBANCE - NUMBER AND TYPES SEEN

Tire Tracks	Human Footprints	Dog Sign	Trash Sites	Dump Sites	Shotgun/Rifle Shells	Blading	Ravens	Other
~15	1111	0	0	0	0	0	11	0

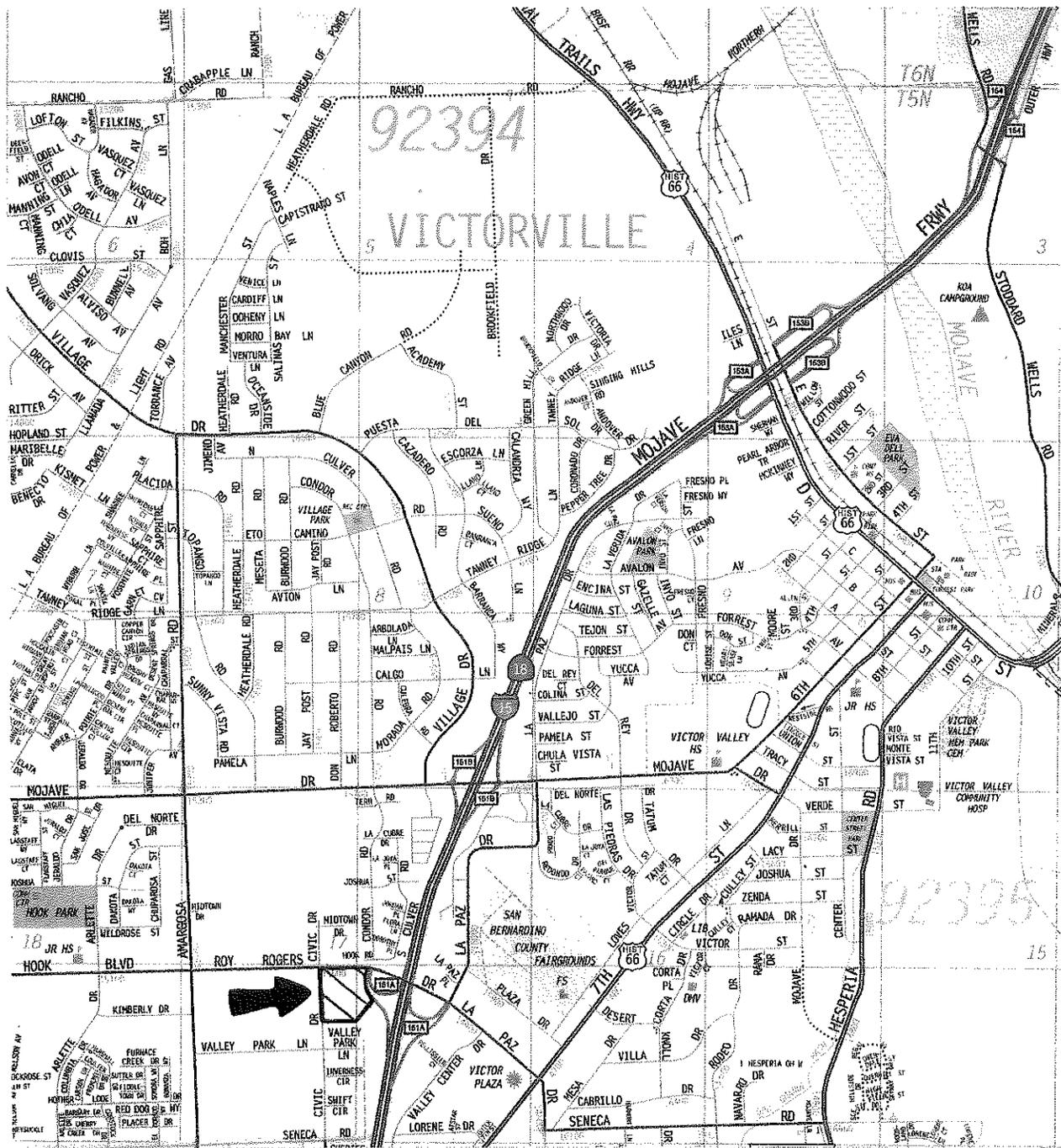


FIGURE 1

VICINITY MAP
 (Source: Thomas Bros. Maps, 2006)
 (N.T.S.)
 (Desert Oasis Plaza - Phase III)

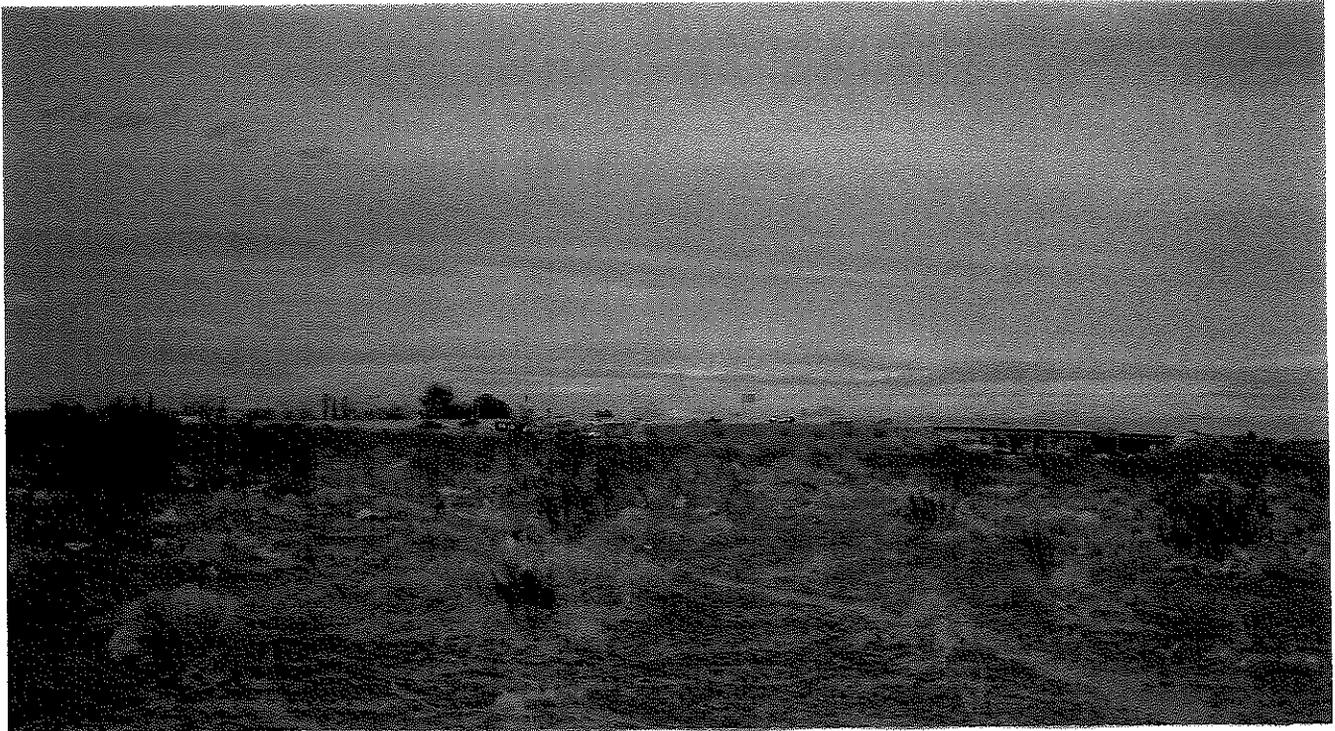


PHOTO POINT A: VIEW FROM NORTHWEST CORNER LOOKING SOUTHEAST



PHOTO POINT B: VIEW FROM SOUTHWEST CORNER LOOKING NORTHEAST

FIGURE 3

**PHOTOGRAPHS OF PROPERTY
(Desert Oasis Plaza – Phase III)**

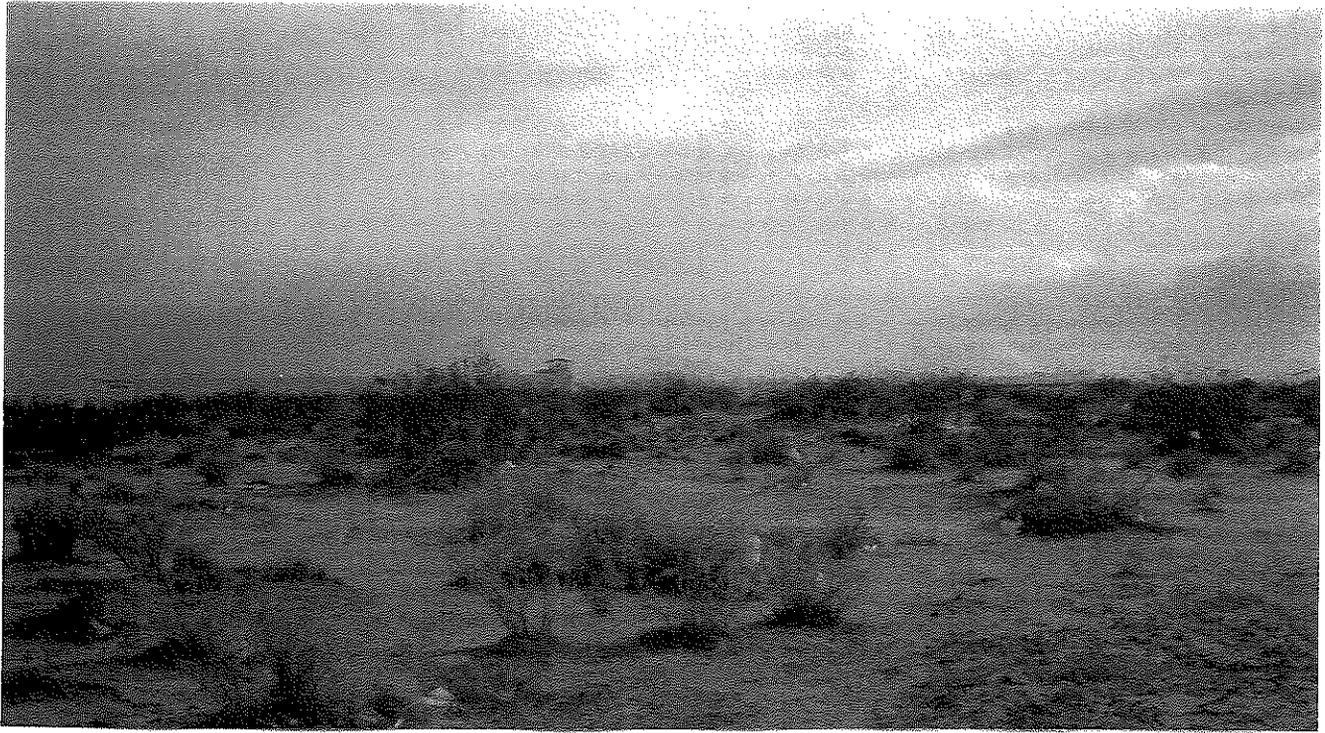


PHOTO POINT C: VIEW FROM NORTHEAST CORNER LOOKING SWHVEST



PHOTO POINT D: VIEW FROM SOUTHEAST CORNER LOOKING NORTHWEST

FIGURE 3, continued

**PHOTOGRAPHS OF PROPERTY
(Desert Oasis Plaza – Phase III)**

APPENDIX B
BACKGROUND DATA

BACKGROUND INFORMATION

Desert Tortoise

The desert tortoise is the largest reptile in the arid southwest United States. It historically occupied a range that included a variety of desert communities in southeastern California, southern Nevada, western and southern Arizona, southwestern Utah, and through Sonora and northern Sinaloa, Mexico. Today populations are largely fragmented and studies indicate a steady and dramatic decline over most of its former range. Additionally, because tortoises have long been prized as pets, collecting of wild tortoises has further reduced the population. Wildlife biologists estimate that between 1880 and 1970, five to eight million tortoises were taken from the desert by collectors.

Recently, a highly contagious respiratory disease has infected tortoise populations, primarily in the western Mojave Desert region. While the disease seems to be most widespread in the western Mojave, cases have been documented in numerous widely scattered areas throughout the wider Mojave range of the tortoise. In one area of the western Mojave, the infection rate among individual tortoises increased from 9 to 52 percent based on surveys conducted between 1988 and 1989. Isolated cases are believed to have the potential to cause widespread infection over a short time period.

Given the continued habitat loss and the rapid decline in numbers of tortoises brought about by the disease, the U.S. Fish and Wildlife Service exercised its emergency authority and determined tortoise populations north and west of the Colorado River to be an endangered species under the Endangered Species Act of 1973, as amended. The emergency rule was published in the Federal Register on August 4, 1989, and remained in effect until April 1, 1990. On April 2, 1990, the U.S. Fish and Wildlife Service officially listed the desert tortoise as a threatened species under the Endangered Species Act of 1973, as amended.

Mohave Ground Squirrel

The Mohave ground squirrel has been listed by the California Department of Fish and Game as a threatened species, thereby giving the animal protection under the California Endangered Species Act. The species is known to occur in the western Mohave Desert in portions of four counties including Inyo, Kern, San Bernardino, and Los Angeles (Clark, D 1991).

The distribution of the Mohave ground squirrel is quite limited as compared to the distribution of other ground squirrel species (Hall, R. 1981 in Clark, D 1991). The Mohave ground squirrel is found in several habitat types throughout the Mojave Desert including creosote bush scrub, saltbush scrub, and Joshua tree woodland communities. Degradation and destruction of the species' habitat and isolation of individual populations appear to be the primary factors in the species' decline (Clark, D. 1991).

Burrowing Owl

The burrowing owl is a year-long resident of open, dry grassland and desert habitats. The species was formerly common throughout central and southern California; however, the species has seen a significant reduction over the last few decades due to development activities; farming activities, predation by dogs and cats, and habitat destruction (Zeiner 1990). Conversions of grassland and desert habitats to agricultural fields and residential developments have contributed to the greatest amount of habitat destruction in recent decades. The reduction in population levels was noted as early as the 1940s. Burrowing owls primarily prey upon insects; although, small mammals, lizards, birds, and carrion make up a portion of the owl's diet (Zeiner 1990). Burrowing owls typically utilize abandoned rodent burrows for roosting and nesting.

Sharp-shinned Hawk

The sharp-shinned hawk is a somewhat common migrant and winter resident throughout California and is found in some areas of the Mohave Desert where suitable habitat is present (CFG 1990). The species typically occurs in dense stands of trees relatively close to open areas. It breeds in ponderosa pine forest and in riparian woodlands, and often forages at the edges of woodlands, hedgerows, brushy pastures and shorelines where migrating birds are found. Typically it uses all types of habitats during the winter except for alpine, open prairies, and bare desert areas (CFG 1990).

Loggerhead Shrike

The loggerhead shrike is a relatively common and winter resident throughout California where it occurs in open areas with scattered shrubs and trees (CFG 1990). It does not occur in heavily urbanized areas, but does occur occasionally in croplands (CFG 1990). In California, it breeds from March to May and nests in the dense foliage of shrubs or trees.



**COUNTY OF
SAN BERNARDINO**
Clerk of the Board of Supervisors

County Government Center
385 North Arrowhead Avenue, Second Floor
San Bernardino, California 92415-0130
(909) 387-3841 FAX (909) 387-4554

BOARD OF SUPERVISORS
 Brad Mitchell..... First District
 Paul Biano..... Second District
 Dennis Hansberger..... Third District
 Gary C. Ovit..... Fourth District
 Jesse Gonzales..... Fifth District

DENA M. SMITH
Clerk of the Board of Supervisors

**NUMBER OF PAGES BEING
TRANSMITTED (Including this Page):** 2

FACSIMILE TRANSMISSION

FAX TO PHONE NUMBER: 714-662-7788 DATE: 7-30-08

ATTENTION: Amber

COMPANY: Civic Rogers

FROM: Norma



STATE OF CALIFORNIA - THE RESOURCES AGENCY
DEPARTMENT OF FISH AND GAME
ENVIRONMENTAL FILING FEE CASH RECEIPT

353004

Lead Agency: City of Victorville Planning Dept Date: 7-18-08

County/State Agency of Filing: San Bernardino, CA Document No.: _____

Project Title: PLN 08-00057

Project Applicant Name: Civic Rogers, LLC

Project Applicant Address: 3 Imperial Promenade

City Santa Ana State CA Zip Code 92707 Phone Number: (714) 662-6900

Project Applicant (check appropriate box):

- Local Public Agency School District Other Special District State Agency Private Entity

Check Applicable Fees:

- | | | | |
|---|------------------|-----------|-------------------|
| <input type="checkbox"/> Environmental Impact Report | <u>ck # 2973</u> | \$2606.75 | \$ _____ |
| <input checked="" type="checkbox"/> Negative Declaration | | \$1876.75 | \$ <u>1876.75</u> |
| <input type="checkbox"/> Application Fee Water Diversion (State Water Resources Control Board Only) | | \$888.25 | \$ _____ |
| <input type="checkbox"/> Projects Subject to Certified Regulatory Programs | | \$886.25 | \$ _____ |
| <input checked="" type="checkbox"/> County Administrative Fee | | \$50.00 | \$ <u>50.00</u> |
| <input type="checkbox"/> Project that is exempt from fees | | | |
| <input type="checkbox"/> Notice of Exemption | | | |
| <input type="checkbox"/> DFG No Effect Determination (Form Attached) | | | |

TOTAL RECEIVED \$ 1926.75

Signature and title of person receiving payment: Norma Tate Deputy Clerk

WHITE-PROJECT APPLICANT

YELLOW-DFG/ASB

PINK-LEAD AGENCY

GOLDENROD-COUNTY CLERK

NOTICE OF DETERMINATION

To: Office of Planning and Research
 1400 Tenth Street, Room 121
 Sacramento, CA 95814

Clerk of the Board of Supervisors
 County of San Bernardino
 385 North Arrowhead Avenue, 2nd Floor
 San Bernardino, CA 92415-0130

From: City of Victorville - Planning Department
 P.O. Box 5001
 Victorville, CA 92393-5001

Contact: Bill Webb
 Phone: (760) 965-5135

CLERK OF THE BOARD
 JUL 18 2008
 COUNTY OF
 SAN BERNARDINO

Documentary Handling Fee (\$50.00)
 Receipt Number # 353004

Subject:

SUBJECT: Filing of Notice of Determination in Compliance with Section 21108 or 21152 of the Public Resources Code.

State Clearinghouse Number (if submitted to State Clearinghouse): 2008051052

Project Title: PLN08-00057

Applicant
 Civic Rogers, LLC
 Name
 3 Imperial Promenade
 Address
 Santa Ana, CA 92707
 (714) 662-6900
 Phone

Project Location (include county): The southeast corner of Civic Drive and Roy Rogers Drive,
 City of Victorville, County of San Bernardino

Project Description: A Site Plan to allow for commercial retail shopping center; a Parcel Map to allow for the creation of six parcels from one existing parcel and a Conditional Use Permit to allow for a sign program

Representative

Name
 Address
 Phone

DATE FILED & POSTED

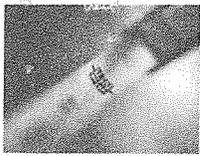
This is to advise that the Planning Commission approved the negative declaration for the above described project on June 11, 2008 and has made the following determinations regarding the above project. Date

1. The project [() will, (X) will not] have a significant effect on the environment.
2. () An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
 (X) A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [(X) were, () were not] made a condition of the approval of the project.
4. A mitigation reporting or monitoring plan [() was, (X) was not] adopted for this project.
5. A Statement of Overriding Considerations [() was, (X) was not] adopted for this project.
5. Findings [() were, (X) were not] made pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval, or the Negative Declaration, is available to the General Public at: 14343 Civic Drive, Victorville, CA 92392

[Signature]
 Signature (Public Agency) Bill Webb, AICP 6/16/08 Director of Development
Date Title

Date received for filing at OPR _____



THE CITY OF VICTORVILLE
BUILDING & SAFETY DEPARTMENT
14343 CIVIC DRIVE, VICTORVILLE, CA 92392

Inspection Request Phone No. (760) 955-5103

Permit No.:PMT09-00022
Applied:1/8/2009
Issued:1/8/2009

Site Address: 15270 CIVIC DR	Assessor's Parcel: 0395-361-07
Tract: Lot:	Zoning: C-2

OWNER
 CIVIC ROGERS, LLC
 3 IMPERIAL PROMENADE STE 550
 SANTA ANA, CA 92707

Project Description: GRADING FOR ENG08-00011

Construction Type _____

Occupancy Group _____

Building Area: 1 sq. ft.

Valuation: \$18,270.00

Units: 1

Electrical Fixtures		Mechanical Fixtures		Plumbing Fixtures	
Type	Qty	Type	Qty	Type	Qty



#1 IDENTIFY WHO WILL PERFORM THE WORK (Complete either 1a or 1b)

1a - CALIFORNIA LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Contractor Name and Address: _____

License Class and No. _____ Contractor Signature _____

1b - OWNER-BUILDER'S DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).):

I, as owner of the property, or my employees with wages as their sole compensation, will do all of or portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the



DEPARTMENT OF FISH AND GAME

Inland Deserts Region
Bishop Field Sub-Office
Mojave River Hatchery
12550 Jacaranda Ave
Victorville, CA 92395

(Mailing address only: Not a Public Office)
(760) 955-8139 phone
(760) 245-9142 fax



FACSIMILE TRANSMITTAL SHEET

TO: Greg Clayton	FROM: Eric Weiss
COMPANY:	DATE: AUGUST 14, 2008
FAX NUMBER: (760) 245-3322	TOTAL NO. OF PAGES INCLUDING COVER: 1
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
RE: CDFG Compliance- Grading	YOUR REFERENCE NUMBER:

- URGENT
- FOR REVIEW
- PLEASE COMMENT
- PLEASE REPLY
- PLEASE RECYCLE

NOTES/COMMENTS:
Phase 3-Desert Oasis Plaza and Phase 4B-Desert Sun Plaza has met all of the Department of Fish and Game requirements for burrowing owl needed to start grading the project site. The grading shall start prior to August 26, 2008 or another burrowing owl survey may be required. If the species is found on site prior to or during construction the Department must be notified.

If you have any questions, please call me at (760) 246-8828.

-TONIA MOORE-

ATTN:
AMBER WESLEY

JOSHUA TREE INSPECTION REPORT

FILE #	<u>2304</u>	DATE APPLICATION RECEIVED:	<u>June 6, 2008</u>
NAME OF APPLICANT:	<u>Civic Rogers, LLC.</u>	PHONE:	<u>(714) 662-6900</u>
ADDRESS OF APPLICANT:	<u>3 Imperial Promenade, Ste# 550</u>		
MAIL/FAX INSPECTION TO:	<u>14297 Cajon Ave., Ste#101 Victorville, Ca. 92392</u>		
AGENT FOR APPLICANT:	<u>Glenn Chung</u>	PHONE:	<u>(760) 524-9100</u>
ADDRESS OF DEVELOPMENT SITE:	_____		
TRACT #	APN(s):	<u>0395-361-07</u>	
LOT #	_____		

	OWNER'S FINDINGS RECOMMENDATIONS	CITY STAFF FINDINGS
# OF TREES TO REMAIN ON PROPERTY	<u>0</u>	<u>0</u>
# OF TREES TO BE RELOCATED	<u>4</u>	<u>5</u>
# OF TREES TO BE REMOVED	<u>0</u>	<u>0</u>
TOTAL # OF TREES ON PROPERTY	<u>4</u>	<u>5</u>

COMMENTS / CONDITIONS: 5 trees to be relocated to holding site. Call for reinspection when relocation is complete.

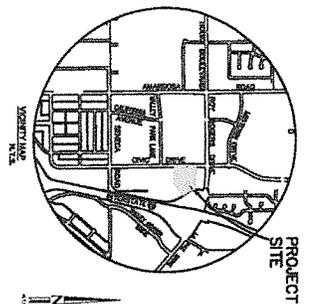
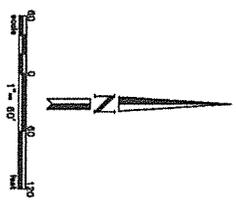
INSPECTOR'S SIGNATURE: *Donny Sanchez* DATED INSPECTED: June 17, 2008

VERIFICATION OF JOSHUA TREE RELOCATIONS

# OF TREES TO BE RELOCATED	<u>5</u>
# OF TREES TO BE REMOVED	<u>0</u>

COMMENTS: Trees have been relocated to holding site. Ok to issue permit.

INSPECTOR'S SIGNATURE: *Donny Sanchez* DATED INSPECTED: August 12, 2008



SECTION	AREA	DATE
1	1/2"	8"
2	1/2"	8"
3	1/2"	12"
4	1/2"	8"
5	1/2"	8"
6	1/2"	8"
7	1/2"	8"

Hall & Foreman, Inc. Engineering, Surveying, Planning, Landscape Architecture 1515 AVENUE 100, SUITE 100 - VICTORVILLE, CA 92380 TEL: 760-941-1000 FAX: 760-941-1001		SHEET NO. _____ TOTAL SHEETS _____ DATE _____
SEC ROY ROGERS DRIVE AND CIVIC DRIVE		EXHIBIT 1 JOSHUA TREE MAP VICTORVILLE, CA
SCALE: 1" = 80' DATE: 07-12-08 SHEET: 1 OF 1		



California Regional Water Quality Control Board



Lahontan Region - Victorville

14440 Civic Drive, Suite 200 Victorville, California 92392

Phone: 760-241-6583 Fax: 760-241-7308 Email: stormwater@waterboards.ca.gov

<http://www.waterboards.ca.gov/lahontan>

Arnold Schwarzenegger
Governor

Linda S. Adams
Secretary for
Environmental Protection

02/03/2010

MARY

John Young
Civic Rogers LLC
3 Imperial Promenade Ste. 550
Santa Ana CA 92707

WDID Number: **6B36C333487**
Site/Facility Info: Palomino Plaza
Sw Corner Roy Rogers Dr And Civic Dr
Victorville CA 92393
Review Date: **01/25/2010**
NOT Effective Date: **01/25/2010**

Dear Permittee:

This letter is to inform you that we have approved the Notice of Termination (NOT) of Coverage under the Statewide Storm Water General Permit for WDID number as referenced above. Please keep this letter as proof of termination under the Statewide Storm Water General Permit. Should site conditions change such that coverage under the Storm Water General Permit is again necessary, you must submit a new Notice of Intent, site map, and appropriate fee.

Please note if there are applicable unpaid invoice(s) when the NOT is approved, all outstanding invoices are required to be paid in full. If you have any questions regarding fees, please contact the Fee Unit at (916) 341-5247.

If you have any further questions, please contact the California Regional Water Quality Control Board, Lahontan Region - Victorville at 760-241-6583.

Sincerely,

Jan Zimmerman
Lahontan Region - Victorville

M. De Los Santos



State Water Resources Control Board



Linda S. Adams
Secretary for
Environmental
Protection

Division of Water Quality
1001 I Street o Sacramento, California 95814 o (916) 341-5536
Mailing Address: P.O. Box 1977 o Sacramento, California o
95812-1977
FAX (916) 341-5543 o Internet Address:
<http://www.waterboards.ca.gov>
Email Address: stormwater@waterboards.ca.gov

**Arnold
Schwarzenegger**
Governor

Approved Date: 07/25/2008

Amber Wesley
Civic Rogers LLC
5 MacArthur Pl Ste 550
Santa Ana, CA 92707

RECEIPT OF YOUR NOTICE OF INTENT (NOI)

The State Water Resources Control Board (State Water Board) has received and processed your NOI to comply with the terms of the General Permit for Storm Water Discharges Associated with Construction Activity. Accordingly, you are required to comply with the permit requirements.

The Waste Discharger Identification (WDID) number is: **6B36C352724**.
Please use this number in any future communications regarding this permit.

SITE DESCRIPTION

OWNER: Civic Rogers LLC
DEVELOPER: Civic Rogers LLC
SITE INFORMATION: Desert Oasis Plaza
SITE LOCATION: SEC of Roy Rogers Dr Civic Dr Victorville, CA 92392
COUNTY: San Bernardino
TOTAL DISTRUBED ACRES: 12.0
START DATE: 07/15/2008
COMPLETION DATE: 07/15/2009

When construction is complete or ownership is transferred, **dischargers are required to submit a Notice of Termination (NOT)** to the local Regional Water Board. All State and local requirements must be met in accordance with Special Provision No. 7 of the General Permit. If you do not submit a NOT when construction activity is completed you will continue and are responsible to pay the annual fee invoiced each July.

If you have any questions regarding permit requirements, please contact your Regional Water Board at **(760) 241-6583**. Please visit the storm water web page at www.waterboards.ca.gov/stormwtr/index.html to obtain an NOT and other storm water related information and forms.

Sincerely,

Krazan & ASSOCIATES, INC.

GEOTECHNICAL ENGINEERING • ENVIRONMENTAL ENGINEERING
CONSTRUCTION TESTING & INSPECTION

December 4, 2008

Project No. 12408061

Civic Rogers, LLC
3 MacArthur Place
Suite 550
South Coast Metro, California 92707

RE: Reliance Letter
Phase I Environmental Site Assessment
Desert Oasis – Phase 3
SEC Intersection of
Civic Drive and Roy Rogers Drive
Victorville, California

Dear Ms. Wesley,

In accordance with your request, Krazan & Associates, Inc. (Krazan) hereby authorizes Civic Rogers, LLC and Bank of America to rely upon the referenced report as though Krazan issued it directly to Civic Rogers, LLC and Bank of America on the above-noted date. Such authorization is, however, expressly conditioned upon Civic Rogers, LLC and Bank of America acceptance of the terms, conditions, and limitations contained in Krazan's Proposal/Cost Estimate/Agreement submitted to and agreed upon by its client the Civic Rogers, LLC for the performance of said Phase I Environmental Site Assessment. No parties other than those named herein are entitled to rely upon the referenced report without first obtaining the express written consent of Krazan, and no party named herein is entitled to assign its right to rely on such report to a third party without the express written consent of Krazan.

If you have any questions or if we can be of further assistance, please do not hesitate to contact our office at (951) 694-0601.

Respectfully submitted,
KRAZAN & ASSOCIATES, INC.

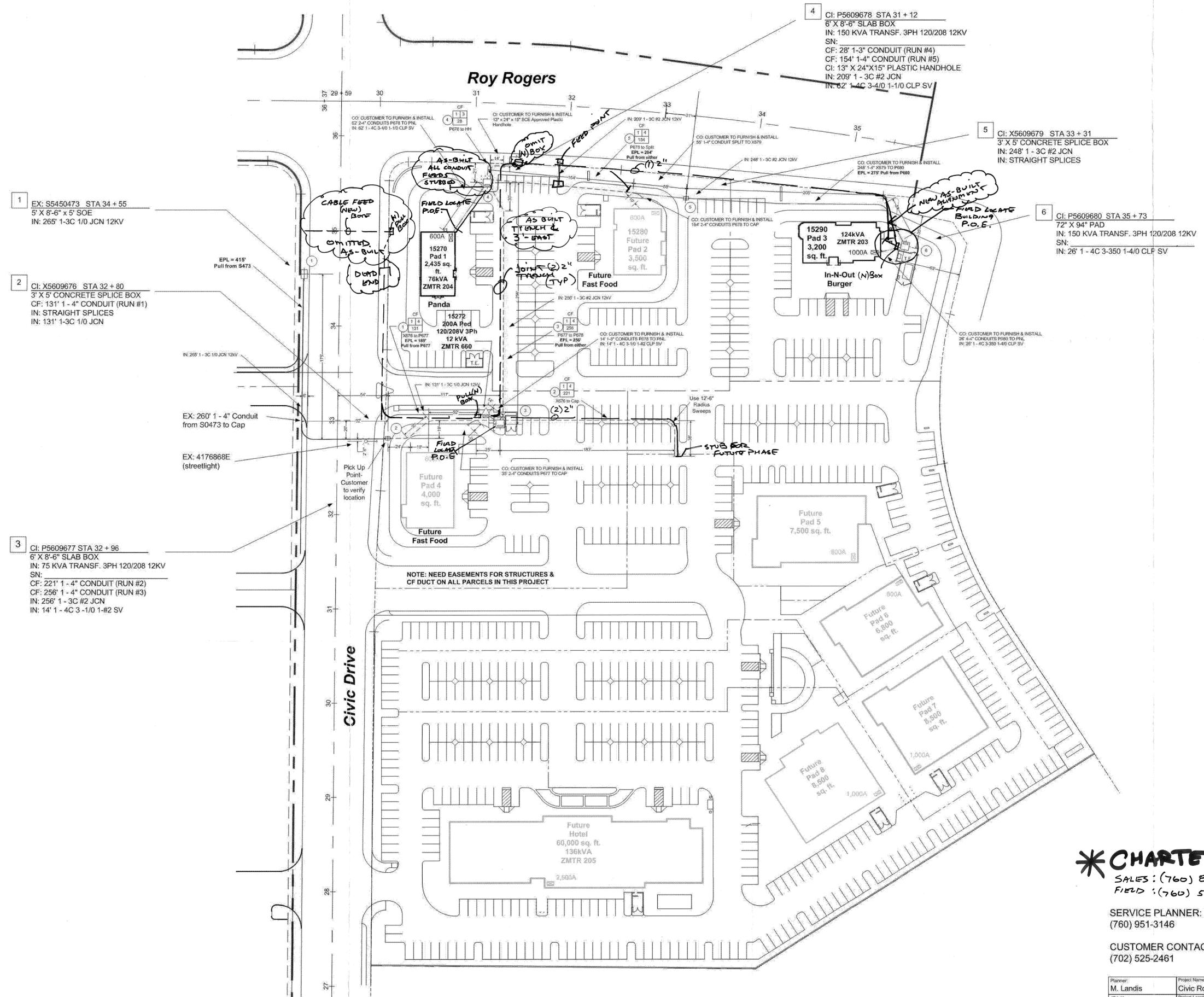

James Kellogg
Project Manager

JMK/dw

VICINITY MAP



Roy Rogers



1 EX: S5450473 STA 34 + 55
5' X 8'-6" x 5' SOE
IN: 265' 1-3C 1/0 JCN 12KV

2 CI: X5609676 STA 32 + 80
3' X 5' CONCRETE SPLICE BOX
CF: 131' 1-4" CONDUIT (RUN #1)
IN: STRAIGHT SPLICES
IN: 131' 1-3C 1/0 JCN

3 CI: P5609677 STA 32 + 96
6' X 8'-6" SLAB BOX
IN: 75 KVA TRANSF. 3PH 120/208 12KV
SN:
CF: 221' 1-4" CONDUIT (RUN #2)
CF: 256' 1-4" CONDUIT (RUN #3)
IN: 256' 1-3C #2 JCN
IN: 14' 1-4C 3-1/0 1-#2 SV

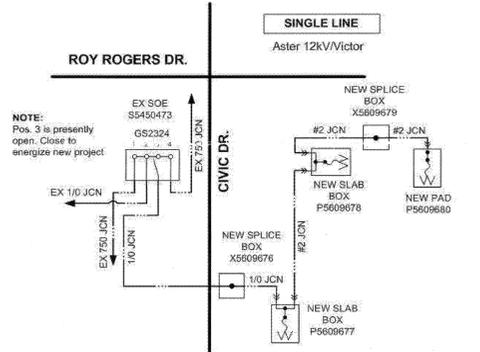
4 CI: P5609678 STA 31 + 12
6' X 8'-6" SLAB BOX
IN: 150 KVA TRANSF. 3PH 120/208 12KV
SN:
CF: 28' 1-3" CONDUIT (RUN #4)
CF: 154' 1-4" CONDUIT (RUN #5)
CI: 13" X 24"X15" PLASTIC HANDHOLE
IN: 209' 1-3C #2 JCN
IN: 62' 1-4C 3-4/0 1-1/0 CLP SV

5 CI: X5609679 STA 33 + 31
3' X 5' CONCRETE SPLICE BOX
IN: 248' 1-3C #2 JCN
IN: STRAIGHT SPLICES

6 CI: P5609680 STA 35 + 73
72" X 94" PAD
IN: 150 KVA TRANSF. 3PH 120/208 12KV
SN:
IN: 26' 1-4C 3-350 1-4/0 CLP SV

CABLE

NOTE: NEED EASEMENTS FOR STRUCTURES & CF DUCT ON ALL PARCELS IN THIS PROJECT



*** CHARTER CABLE ***
SALES: (760) 843-3046 (DONNA)
FIELD: (760) 559-8215 (TRUMAN)

SERVICE PLANNER: MARK LANDIS
(760) 951-3146

CUSTOMER CONTACT: GREG CLAYTON
(702) 525-2461



FINAL DRAWING
Approved For Construction

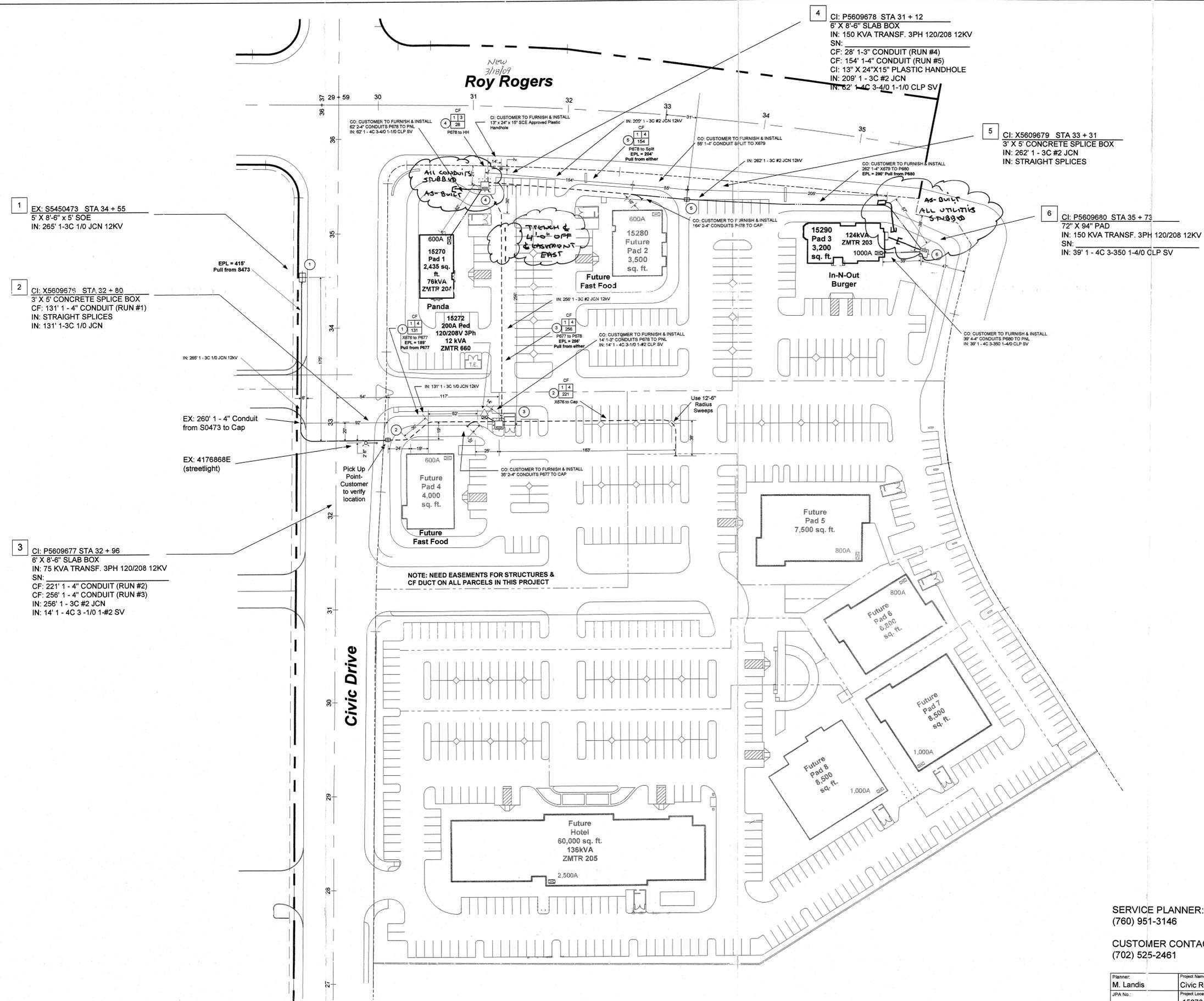
Planner: M. Landis	Project Name: Civic Rogers LLC	Grid No.:	District:
JPA No.:	Project Location: 15270 Roy Rogers Dr., Victorville CA 92395	007	73-Victorville
ARM/OLC: 82524-2551-6573	Customer: Roy Rogers LLC	Thomas Map: SBC 4296 B7	Astor 12kv
Product No.:	Customer Address: 2955 American River Ln., Las Vegas NV	Printed to Scale: Not to Scale	Substation: Victor
Related A/E:	TLM Data: Size KVA Cust %Load	MSR:	Inventory Map: 372-2203-5
Existing:		Flicker Factor:	
Proposed:		Voltage Drop:	

Power

VICINITY MAP



Roy Rogers



1 EX: S5450473 STA 34 + 55
5' X 8'-6" x 5' SOE
IN: 265' 1-3C 1/0 JCN 12KV

2 CI: X5609679 STA 32 + 80
3' X 5' CONCRETE SPLICE BOX
CF: 131' 1 - 4" CONDUIT (RUN #1)
IN: STRAIGHT SPLICES
IN: 131' 1-3C 1/0 JCN

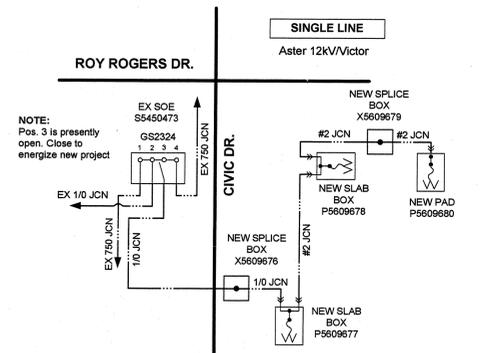
3 CI: P5609677 STA 32 + 96
6' X 8'-6" SLAB BOX
IN: 75 KVA TRANSF. 3PH 120/208 12KV
SN:
CF: 221' 1 - 4" CONDUIT (RUN #2)
CF: 256' 1 - 4" CONDUIT (RUN #3)
IN: 256' 1 - 3C #2 JCN
IN: 14' 1 - 4C 3-1/0 1-#2 SV

4 CI: P5609678 STA 31 + 12
6' X 8'-6" SLAB BOX
IN: 150 KVA TRANSF. 3PH 120/208 12KV
SN:
CF: 28' 1-3" CONDUIT (RUN #4)
CF: 154' 1-4" CONDUIT (RUN #5)
CI: 13' X 24" X 15" PLASTIC HANDHOLE
IN: 209' 1 - 3C #2 JCN
IN: 62' 1-4C 3-4/0 1-1/0 CLP SV

5 CI: X5609679 STA 33 + 31
3' X 5' CONCRETE SPLICE BOX
IN: 262' 1 - 3C #2 JCN
IN: STRAIGHT SPLICES

6 CI: P5609680 STA 35 + 73
72" X 94" PAD
IN: 150 KVA TRANSF. 3PH 120/208 12KV
SN:
IN: 39' 1 - 4C 3-350 1-4/0 CLP SV

NOTE: NEED EASEMENTS FOR STRUCTURES & CF DUCT ON ALL PARCELS IN THIS PROJECT



SERVICE PLANNER: MARK LANDIS
(760) 951-3146

CUSTOMER CONTACT: GREG CLAYTON
(702) 525-2461



FINAL DRAWING
Approved For Construction

Planner: M. Landis	Project Name: Civic Rogers LLC	Grid No.: 007	District: 73-Victorville
JPA No.:	Project Location: 15270 Roy Rogers Dr., Victorville CA 92395	Thomas Map: SBC 4296 B7	Circuit: Astor 12kV
AJMW/LOC: 82524-2531-6573	Customer: Roy Rogers LLC	Printed to Scale: Not to Scale	Substation: Victor
Product No.: 283097	Customer Address: 2955 American River Ln., Las Vegas NV	MSR:	Inventory Map: 372-2203-5
Related A's:	TLM Data: Existing: Proposed:	Size KVA Cust %Load %	Flicker Factor DATE: 03/16/19 Voltage Drop: %

Edison



SOUTHWEST GAS CORPORATION
CONTRACT FOR INSTALLATION OF NATURAL GAS
PIPELINE FACILITIES - INGRESS AND EGRESS
(CALIFORNIA)

OFFICE USE ONLY	
Mtr. _____	Footage _____
SR Code _____	Tile No. _____
Work Request _____	

Service Address 15701 Civic Dr City or Location Victorville
Name of Applicant Civic Rogers, LLC - c/o World Premier Investments Tract _____
Mailing Address 3 Imperial Promenade #550 APN and/or Lot #s 0395-361-61,2,3 & 4
City, State & ZIP Code Victorville, CA 92392 Email: _____
Daytime (or) Work Phone 708/525-2461 Evening (or) Home Phone _____

Type of Service	Rev/Rate	Appliances Agreed To Be Installed	Qty.	Input Cfh Ea.	Total Input Cfh	Main Allowance	Service Allowance
<input type="checkbox"/> Residential	200/240	Space Heating	1	7600			
<input type="checkbox"/> Single Family		Water Heating	1	3200			
<input type="checkbox"/> Multifamily		Range	1	7500			
<input type="checkbox"/> Mobile Home		Clothes Dryer					
<input checked="" type="checkbox"/> Commercial		Fireplace					
<input type="checkbox"/> Industrial		Barbecue					
<input type="checkbox"/> Transportation		Pool/Spa					
<input type="checkbox"/> Other							
<input checked="" type="checkbox"/> New Construction					18,300	\$	\$
<input type="checkbox"/> Conversion (<input type="checkbox"/> Propane <input type="checkbox"/> Oil <input type="checkbox"/> Electric)							
Applicant will provide trench? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
If trench is provided for joint use, check all that apply: <input type="checkbox"/> Cable <input type="checkbox"/> Telecommunications <input type="checkbox"/> Electric <input type="checkbox"/> Other							

Notes: ADDRESS MUST BE POSTED ON PROPERTY

Contract Conditions:

- The Applicant, as owner or authorized agent for the owner, hereby requests Southwest Gas Corporation ("the Company") to install its natural gas pipeline facilities to and upon the aforementioned premises, in accordance with the provisions of its Rules as filed with the California Public Utilities Commission ("Commission") having jurisdiction over the Company's operations, and hereby grants to the Company such rights of ingress and egress as may be necessary or convenient to enable the Company to install, operate, inspect, maintain, repair and remove meters, gauges, pipelines, fittings and regulators and all other equipment and apparatus which the Company may elect to install for the purpose of furnishing natural gas service to the aforementioned premises or adjoining premises, or to make a survey of the number and type of appliances and equipment installed on the aforesaid premises. No permanent obstructions will be placed over the pipeline.
- The Applicant agrees to install and utilize the natural gas appliances and/or equipment indicated above. The justification of any applicable allowance granted the Applicant is based on the usage of the installed appliances and/or equipment (indicated above). If the appliances and/or equipment (indicated above) for natural gas service are not installed and utilized for residential service within six months or for nonresidential service within three years, the Company may bill the Applicant for the cost of the Applicant's natural gas service and/or main line installation.
- This Contract shall at all times be subject to such changes or modifications by the Commission as said Commission may from time to time direct in the exercise of its jurisdiction.
- The Applicant agrees to grant or otherwise provide to the Company, at no cost to the Company, easements and/or rights of way which are adequate, in the opinion of the Company, for the location, installation, operation, maintenance and removal of the subject pipeline facilities. When required, the Company will submit the appropriate easement and/or right of way forms to the owner for signature.

I have been informed by the Company of the applicant installation and design options whereby the installation and/or design of natural gas pipeline facilities could be performed by a qualified contractor of my choice in accordance with the Company's design, specifications and requirements.

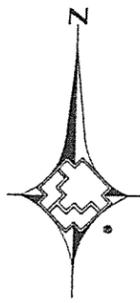
(Check one:)

- I have elected to have the Company perform the installation. I hereby authorize the installation of natural gas pipeline facilities and agree to pay any cost of installation in excess of the allowable investment of the Company as defined in its filed rules and regulations.
 I have elected the applicant installation option.

(Check one:)

- I have elected to have the Company design the installation.
 I have elected the applicant design option.

APPLICANT	SOUTHWEST GAS CORPORATION
By <u>[Signature]</u> Date <u>10/8/08</u>	By <u>Joseph Bryan</u> Date <u>10/7/08</u>
<input checked="" type="checkbox"/> Owner or Authorized Agent <input type="checkbox"/> Builder	Title <u>Sr. Service Planner</u>



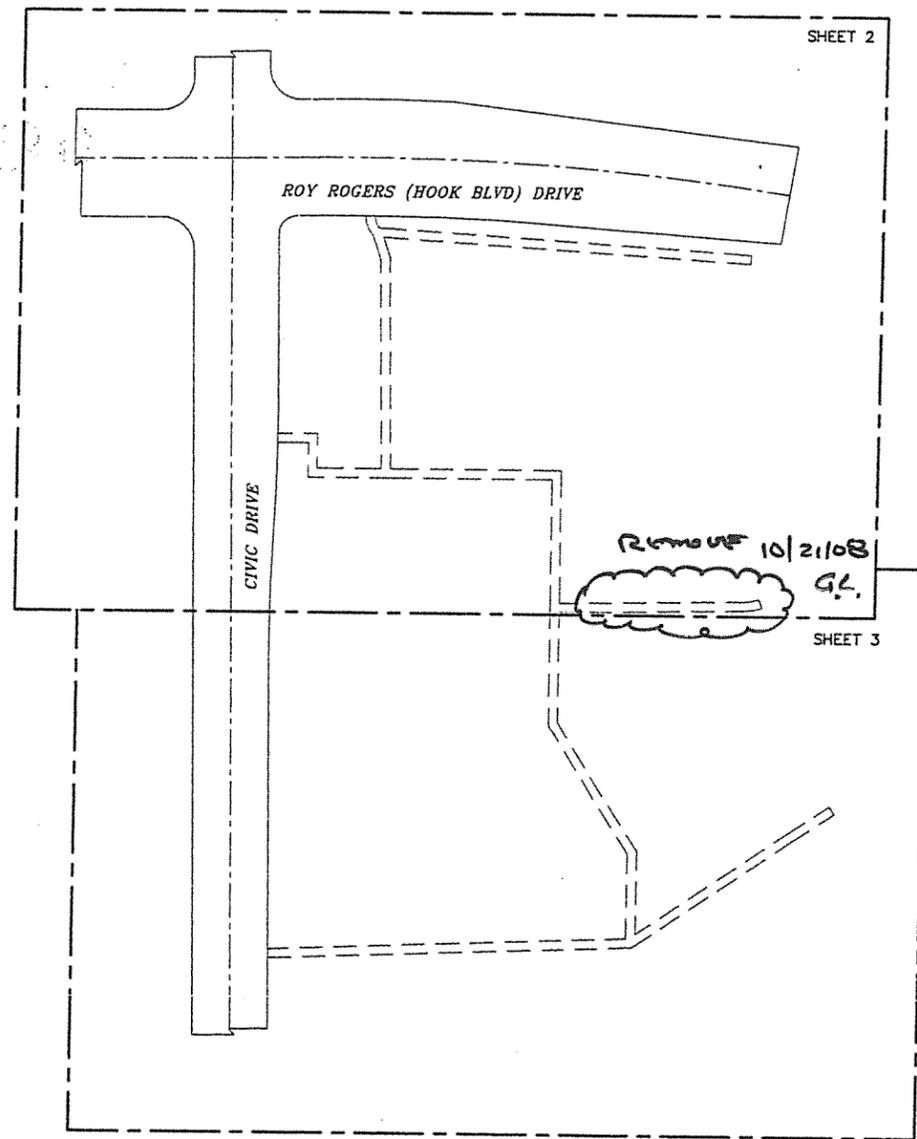
SOUTHWEST GAS CORPORATION

NB COMM. DESERT OASIS PLAZA PH.3
15701 CIVIC DR
VICTORVILLE, CA.

Preliminary Plans

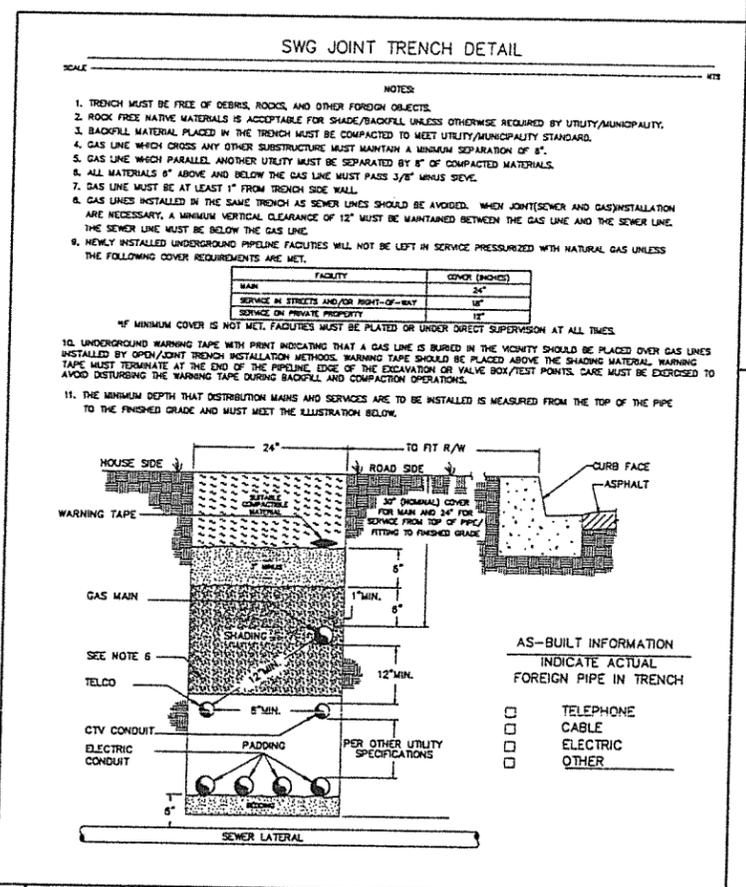
100% Date: 10/16/08
for Construction

- CONSTRUCTION NOTES
1. THE PURGING, GASSING AND DEGASSING OF THESE NEW OR ABANDONED FACILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE "OPSMANUAL - PURGING PROCEDURE. VERIFY ALL PURGES FOR PIPELINES LESS THAN 4 INCHES NOMINAL SIZE AND GREATER THAN 1000 FT. IN LENGTH WITH A COI.
 2. THE PRESSURE TESTING OF THESE FACILITIES SHALL BE PERFORMED THE FOLLOWING OPERATIONS MANUAL TESTING PROCEDURE WRITTEN PROCEDURE, ATTACHED
TOTAL MAIN + SERVICE FOOTAGE TESTING:
A. IF LESS THAN 3,000 FT. TEST PER OPS MANUAL
 3. SEE WMS COMMENTS FOR SPECIAL INSTRUCTIONS.
 4. CHANGES IN DIMENSIONS OR TEST REQUIREMENTS MUST BE APPROVED BY ENGINEERING.
 5. INSTALL MAIN ON PRIVATE PROPERTY AND COMMERCIAL SERVICE AT MAIN DEPTH PER OPS MANUAL.



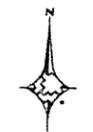
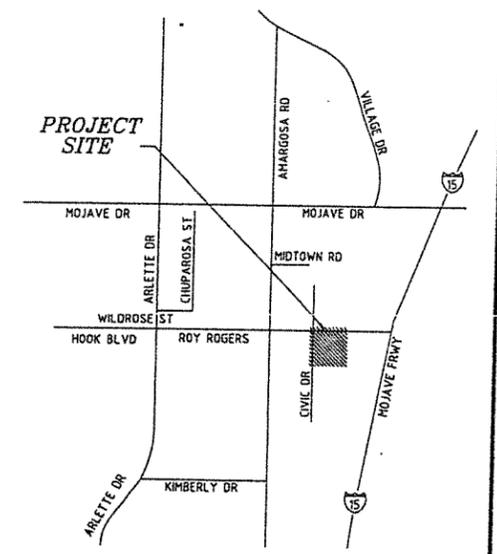
Design Reviewed and Accepted:

Signature _____ Date _____



CONSTRUCTION FIELD NOTES:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____



VICINITY MAP

SCALE: _____ NTS

SWG MAOP DATA-- ENGR ONLY

ACTUAL TEST DURATION _____

ACTUAL TEST PRESSURE (MIN) _____

SYSTEM/ SEGMENT NAME _____

MAOP ENGINEER SIGNATURE _____

SYSTEM DESIGN	UPSTREAM PIPING		AS-BUILT RESULTS		DOWNSTREAM PIPING	
	MAOP	MOP	MAOP	MOP	MAOP	MOP
40	40					
60	40					

PIPE JOINING PJO NUMBERS

ALL FUSIONS ARE DRISCO/DRISCO UNLESS NOTED.

1. _____	6. _____
2. _____	7. _____
3. _____	8. _____
4. _____	9. _____
5. _____	10. _____

F= Fusion, M= Mechanical, E= EMS

PE PIPE BATCH NUMBERS

CD	PE TYPE (CIRCLES)	SIZE (2")	LOT# (D7108)	DATE (APR 15 02)	PLANT# (W2223)	COIL#/PACK# (0009)
1.	COIL / JOINT					
2.	COIL / JOINT					
3.	COIL / JOINT					
4.	COIL / JOINT					
5.	COIL / JOINT					
6.	COIL / JOINT					
7.	COIL / JOINT					

CATHODIC PROTECTION

CP DATA RECORDED ON LMRs:

LMR NO. _____

CERTIFICATIONS

PURGING

"PURGE PLAN WAS COMPLETED IN ACCORDANCE WITH THE OPERATIONS MANUAL GUIDELINES"

PRINT: _____

SIGNATURE: _____

DATE: _____

FOREMAN

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

CALL TOLL FREE
1-800-422-4133
2 WORKING DAYS BEFORE YOU DIG

REVISIONS

NO.	DESCRIPTION	BY	DATE	APPVD.

SOUTHWEST GAS CORPORATION

PROPERTY UNITS

12-0036	3760102	2"PE	2564'				
TAX CODES	UNIT NO.	UNIT TYPE	INSTL	RET.	INSTL	RET.	
			PROPOSED		COMPLETED		

AS-BUILT DRAWING-PRESSURE TEST DATA

PIPE DIA. _____ TEST MEDIUM _____ TEST METHOD _____

PIPE LENGTH _____

PIPE TYPE _____

MIL. DURATION _____

START _____ END _____

TEST PRES. IPSIGI _____

TIME _____

DATE _____

PERFORMED BY _____

VISUAL INSPECTION CERTIFICATION

I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED

NAME _____ DATE _____

AS-BUILTS ACCEPTED BY _____ DATE _____

POSTED BY _____ DATE _____

POSTING QC'D BY _____ DATE _____

CONSTRUCTION

INSPECTOR _____

FOREMAN _____

REVIEWED BY _____

PERMIT INFORMATION PER FRANCHISE AGREEMENT

CITY OF VICTORVILLE
APN 0395-361-61, 62, 63, 64

ISOLATION AREA

12-4-A

W. R. NO. 871511

LOCATION

T5N R4W Sec 17

ATLAS #/TILE # X6765Y2012

ENGINEER/TECHNICIAN K GEORGE-ARIZONA PIPELINE / OS# 1988 PHONE (760)244-8212

ACCOUNT REP. JOE BRYAN PHONE (760)951-4055

PROJECT CONTACT CHERYL COOK PHONE (760)951-4168

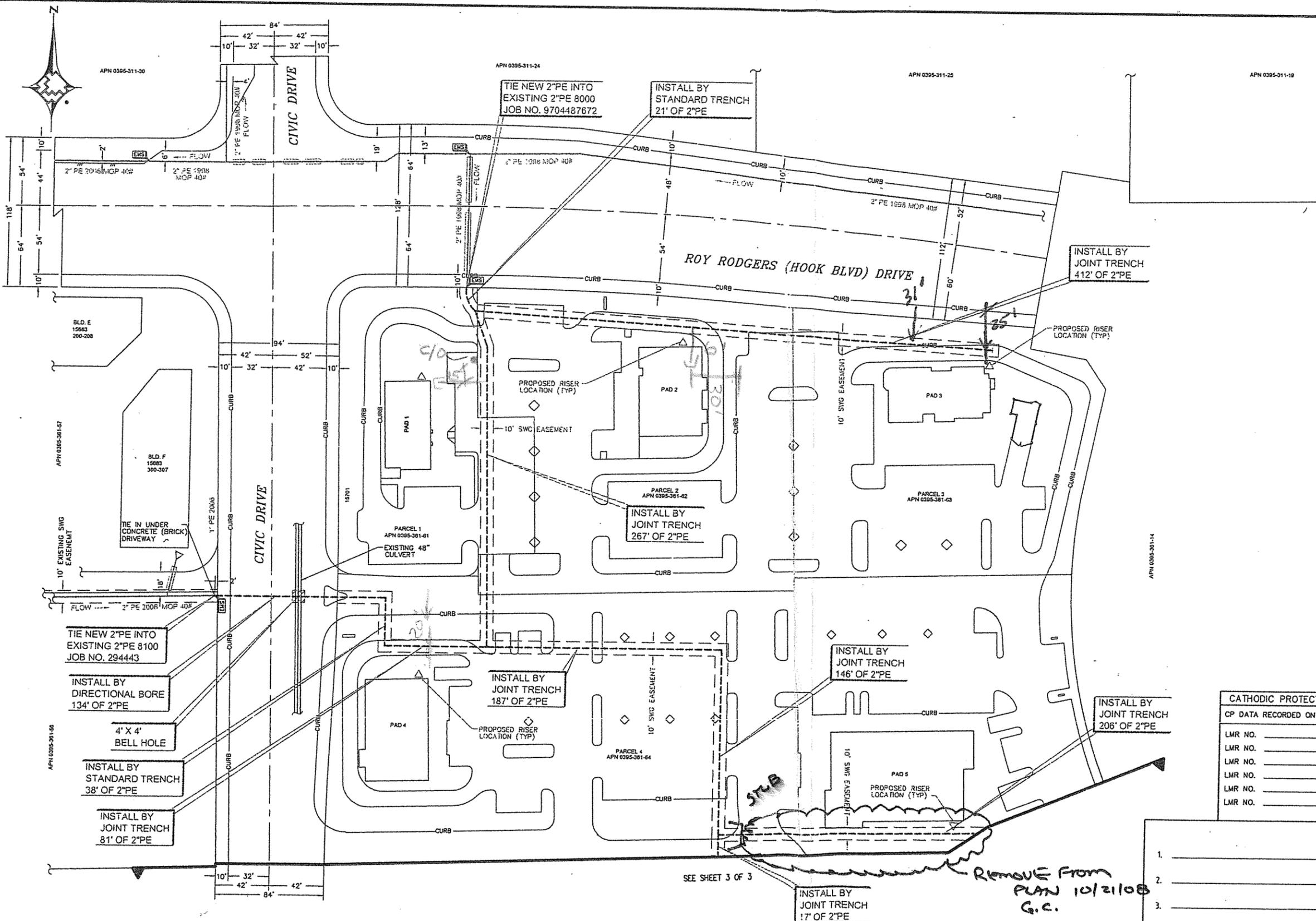
SHEET NO. 1 OF 3 SCALE NTS DATE 09/25/08

DWN. BY S. MARIANI CHKD. BY _____ APPVD. BY _____

TITLE

NB COMM. DESERT OASIS PLAZA PH.3
15701 CIVIC DR.
VICTORVILLE, CA.

871511-1A



SWG MAOP DATA- ENGR ONLY

ACTUAL TEST DURATION _____

ACTUAL TEST PRESSURE (MIN) _____

SYSTEM/ SEGMENT NAME _____

MAOP ENGINEER SIGNATURE _____

SYSTEM	UPSTREAM PIPING		AS-BUILT RESULTS		DOWNSTREAM PIPING	
	MAOP	MOP	MAOP	MOP	MAOP	MOP
DESIGN	60	40				

PIPE JOINING PJO NUMBERS

ALL FUSIONS ARE DRISCO/DRISCO UNLESS NOTED.

1. _____ 5. _____

2. _____ 6. _____

3. _____ 7. _____

4. _____ 8. _____

5. _____ 9. _____

10. _____

F= Fusion, M= Mechanical, E= EMS

PE PIPE BATCH NUMBERS

COIL	PE TYPE (CIRCLE)	SIZE (IN)	LOT# (07706)	DATE (APR 15 02)	PLANT# (W2223)	COIL#/PACK# (0009)
1.	COIL / JOINT					
2.	COIL / JOINT					
3.	COIL / JOINT					
4.	COIL / JOINT					
5.	COIL / JOINT					
6.	COIL / JOINT					
7.	COIL / JOINT					

CATHODIC PROTECTION CP DATA RECORDED ON LMRs: LMR NO. _____ LMR NO. _____ LMR NO. _____ LMR NO. _____ LMR NO. _____	CERTIFICATIONS PURGING "PURGE PLAN WAS COMPLETED IN ACCORDANCE WITH THE OPERATIONS MANUAL GUIDELINES" PRINT: _____ SIGNATURE: _____ DATE: _____ FOREMAN	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA DIG ALERT CALL TOLL FREE 1-800-422-4133 2 WORKING DAYS BEFORE YOU DIG
---	---	---

CONSTRUCTION FIELD NOTES:

1. _____ 5. _____

2. _____ 6. _____

3. _____ 7. _____

4. _____ 8. _____

PAGE TOTALS			
DESCRIPTION	BY	DATE	APPVD.

PROPERTY UNITS							
TAX CODES	UNIT NO.	UNIT TYPE	UNITS	INSTL.	RET.	INSTL.	RET.
12-0036	3760102	2" PE 1509"	1509'				

AS-BUILT DRAWING-PRESSURE TEST DATA

PIPE DIA. _____ TEST MEDIUM AIR GAUGE

PIPE LENGTH _____ NITROGEN CHART

PIPE TYPE _____ WATER GAUGE/ PRESS REC SN#

MIN. DURATION _____ SOAP PRESS REC SN#

TEST PRES. (PSIG) _____ START _____ END _____

TIME _____

DATE _____

PERFORMED BY _____

VISUAL INSPECTION CERTIFICATION

I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED

NAME _____ DATE _____

AS-BUILTS ACCEPTED BY _____ DATE _____

POSTED BY _____ DATE _____

POSTING CO'D BY _____ DATE _____

CONSTRUCTION

INSPECTOR _____

FOREMAN _____

REVIEWED BY _____

PERMIT INFORMATION PER FRANCHISE AGREEMENT

CITY OF VICTORVILLE

APN 0395-361-61, 62, 63, 64

ISOLATION AREA

12-4-A

W. R. NO. 871511

LOCATION TSN R4W Sec 17

ATLAS #/TILE # X6765Y2012

ENGINEER/TECHNICIAN K GEORGE-ARIZONA PIPELINE / OS# 1988 PHONE (760)244-8212

ACCOUNT REP. JOE BRYAN PHONE (760)951-0055

PROJECT CONTACT CHERYL COOK PHONE (760)951-4168

SHEET NO. 2 OF 3 SCALE 1"=40' DATE 09/25/08

OWN. BY S. MARIANI CHKD. BY _____ APPVD. BY _____

TITLE

NB COMM. DESERT OASIS PLAZA PH. 3

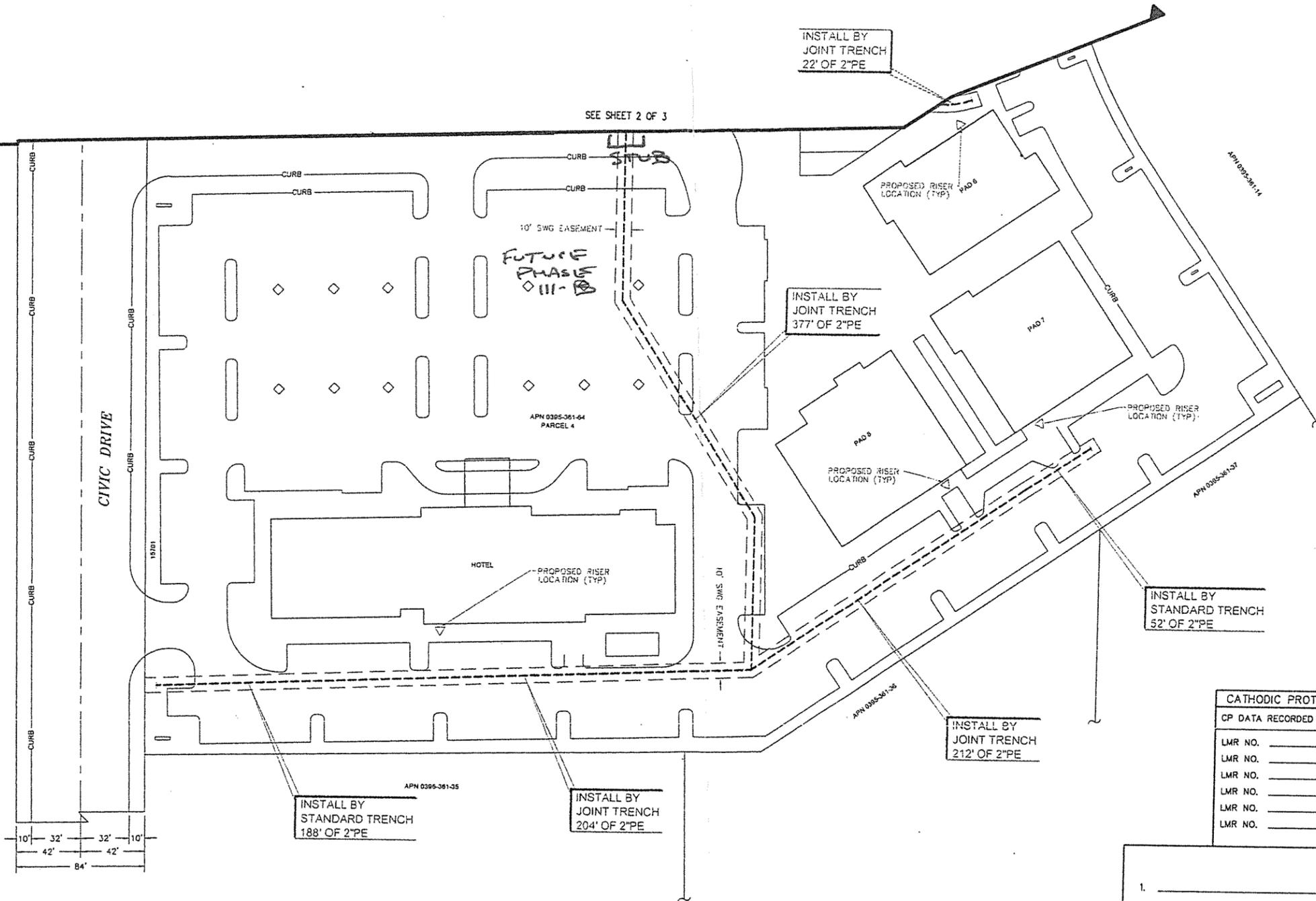
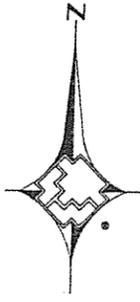
15701 CIVIC DR.

VICTORVILLE, CA.



SEE SHEET 3 OF 3

REMOVE FROM PLAN 10/21/08 G.C.



SWG MAOP DATA- ENGR ONLY						
ACTUAL TEST DURATION _____						
ACTUAL TEST PRESSURE (MIN) _____						
SYSTEM/ SEGMENT NAME _____						
MAOP ENGINEER SIGNATURE _____						
SYSTEM	UPSTREAM PIPING		AS-BUILT RESULTS		DOWNSTREAM PIPING	
	MAOP	MOP	MAOP	MOP	MAOP	MOP
DESIGN	60	60				

PIPE JOINING PJQ NUMBERS									
ALL FUSIONS ARE DRISCO/DRISCO UNLESS NOTED.									
1. _____	6. _____								
2. _____	7. _____								
3. _____	8. _____								
4. _____	9. _____								
5. _____	10. _____								

F= Fusion, M= Mechanical, E= EMS

PE PIPE BATCH NUMBERS						
EX	PE TYPE (DRISCO)	SIZE (2")	LOT# (D708)	DATE (APR 15 02)	PLANT# (W2223)	COIL#/PACK# (0000)
1.	COIL / JOINT					
2.	COIL / JOINT					
3.	COIL / JOINT					
4.	COIL / JOINT					
5.	COIL / JOINT					
6.	COIL / JOINT					
7.	COIL / JOINT					

CATHODIC PROTECTION	
CP DATA RECORDED ON LMRs:	
LMR NO. _____	

CERTIFICATIONS	
PURGING	
"PURGE PLAN WAS COMPLETED IN ACCORDANCE WITH THE OPERATIONS MANUAL GUIDELINES"	
PRINT: _____	
SIGNATURE: _____	
DATE: _____	
FOREMAN	

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

CALL TOLL FREE
1-800-422-4133
2 WORKING DAYS BEFORE YOU DIG

CONSTRUCTION FIELD NOTES:							
1. _____	5. _____						
2. _____	6. _____						
3. _____	7. _____						
4. _____	8. _____						

SOUTHWEST GAS CORPORATION

PAGE TOTALS							
NO.	DESCRIPTION	BY	DATE	APPROV.			
REVISIONS							
12-0036	3760102	2" PE	1055'				
TAX CODES	UNIT NO.	UNIT TYPE	INSTL.	RET.	INSTL.	RET.	
			PROPOSED	COMPLETED			

AS-BUILT DRAWING-PRESSURE TEST DATA			
PIPE DIA. _____	TEST MEDIUM <input type="checkbox"/> AIR <input type="checkbox"/> NITROGEN <input type="checkbox"/> WATER <input type="checkbox"/> SOAP	TEST METHOD <input type="checkbox"/> GAUGE <input type="checkbox"/> CHART <input type="checkbox"/> GAUGE/ PRESS REC SWH	
PIPE LENGTH _____			
PIPE TYPE _____			
MIN. DURATION _____	START _____	END _____	
TEST PRES. (PSIG) _____			
TIME _____			
DATE _____			
PERFORMED BY _____			

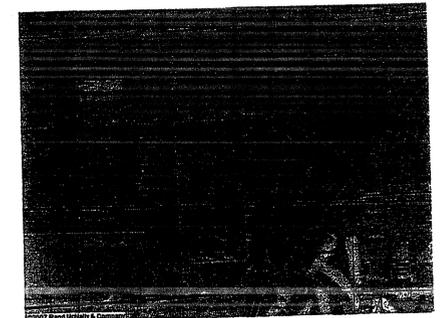
VISUAL INSPECTION CERTIFICATION	
I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED.	
NAME _____	DATE _____
AS-BUILTS ACCEPTED BY _____	DATE _____
POSTED BY _____	DATE _____
POSTING O'CD BY _____	DATE _____

CONSTRUCTION	
INSPECTOR _____	
FOREMAN _____	
REVIEWED BY _____	
PERMIT INFORMATION PER FRANCHISE AGREEMENT	
CITY OF VICTORVILLE	
APN 0395-361-61, 62, 63, 64	

ISOLATION AREA	W. R. NO.
12-4-A	871511
LOCATION	ATLAS #/TILE #
TSN R4W Sec 17	X6765Y2012

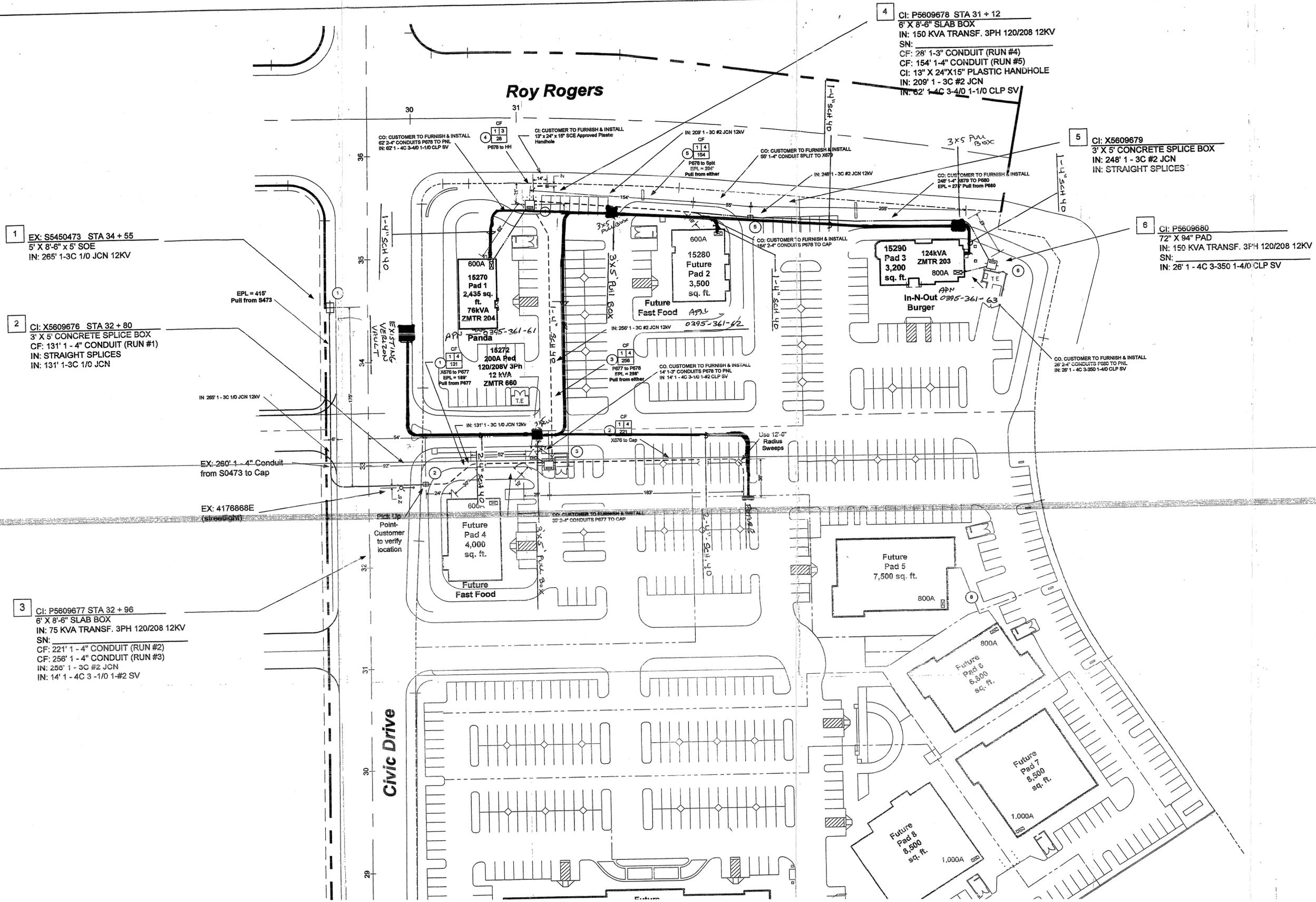
ENGINEER/TECHNICIAN K GEORGE-ARIZONA PIPELINE / OS# 1988		PHONE (760)244-8212
ACCOUNT REP. JOE BRYAN		PHONE (760)951-4055
PROJECT CONTACT CHERYL COOK		PHONE (760)951-4168
SHEET NO. 3 OF 3	SCALE 1"=40'	DATE 09/25/08
DWN. BY S. MARIANI	CHKD. BY _____	APPVD. BY _____
TITLE		
NB COMM. DESERT OASIS PLAZA PH.3		
15701 CIVIC DR.		
VICTORVILLE, CA.		

17511_3A



PHONE

Roy Rogers



1 EX: S5450473 STA 34 + 55
5' X 8'-6" x 5' SOE
IN: 265' 1-3C 1/0 JCN 12KV

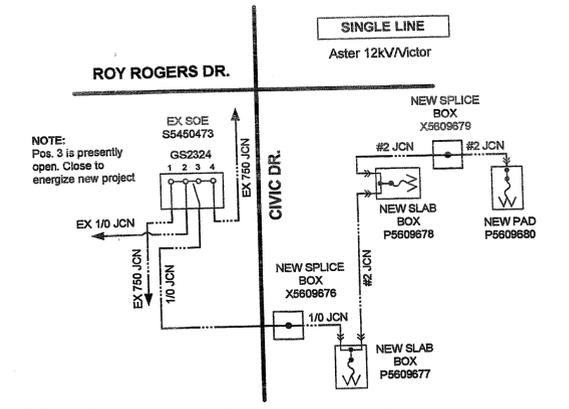
2 CI: X5609676 STA 32 + 80
3' X 5' CONCRETE SPLICE BOX
CF: 131' 1-4" CONDUIT (RUN #1)
IN: STRAIGHT SPLICES
IN: 131' 1-3C 1/0 JCN

3 CI: P5609677 STA 32 + 96
6' X 8'-6" SLAB BOX
IN: 75 KVA TRANSF. 3PH 120/208 12KV
SN:
CF: 221' 1-4" CONDUIT (RUN #2)
CF: 256' 1-4" CONDUIT (RUN #3)
IN: 256' 1-3C #2 JCN
IN: 14' 1-4C 3-1/0 1-#2 SV

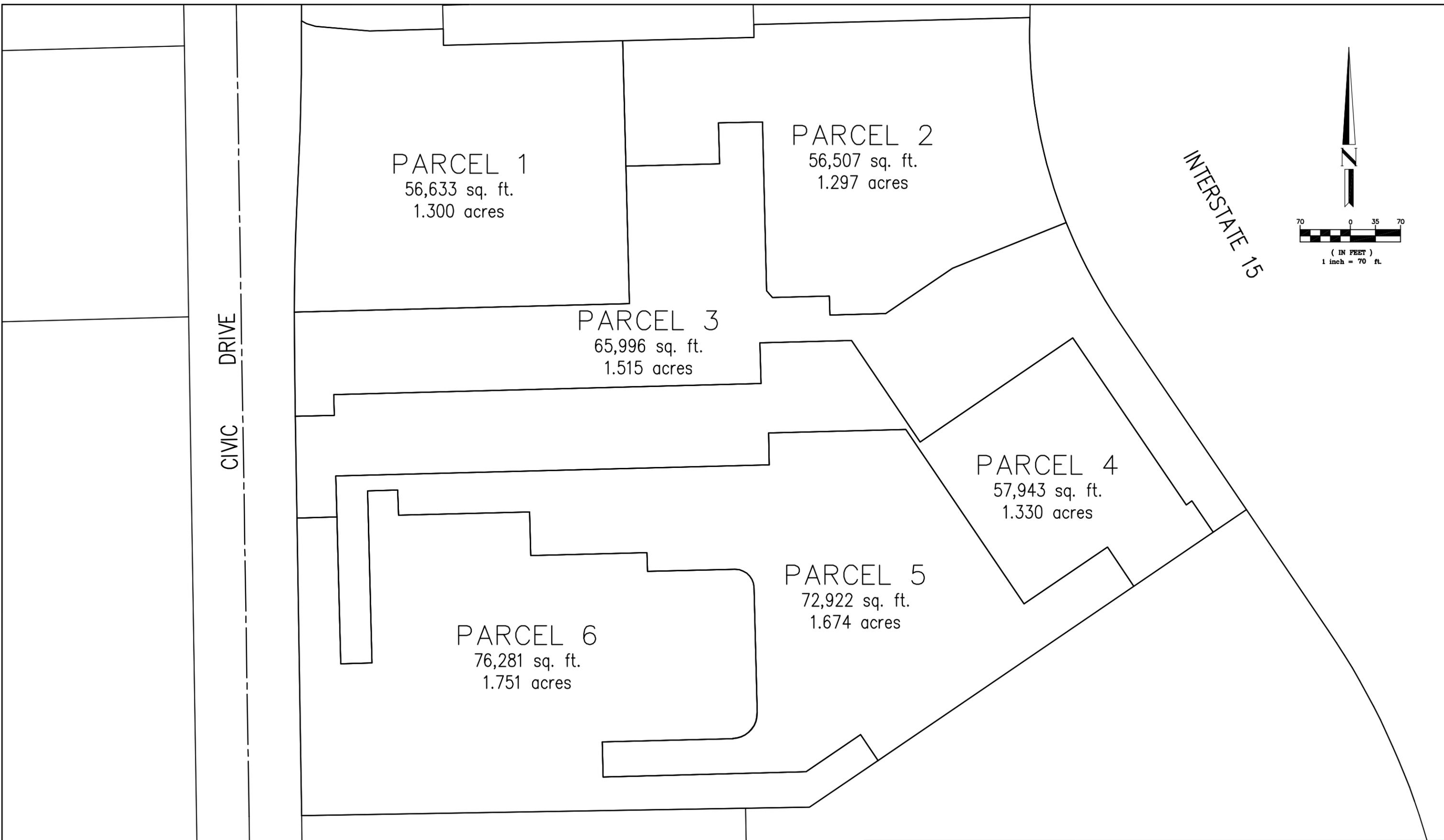
4 CI: P5609678 STA 31 + 12
6' X 8'-6" SLAB BOX
IN: 150 KVA TRANSF. 3PH 120/208 12KV
SN:
CF: 28' 1-3" CONDUIT (RUN #4)
CF: 154' 1-4" CONDUIT (RUN #5)
CI: 13' X 24" X 15" PLASTIC HANDHOLE
IN: 209' 1-3C #2 JCN
IN: 62' 1-4C 3-4/0 1-1/0 CLP SV

5 CI: X5609679
3' X 5' CONCRETE SPLICE BOX
IN: 248' 1-3C #2 JCN
IN: STRAIGHT SPLICES

6 CI: P5609680
72" X 94" PAD
IN: 150 KVA TRANSF. 3PH 120/208 12KV
SN:
IN: 26' 1-4C 3-350 1-4/0 CLP SV



NOTE:
Pos. 3 is presently open. Close to energize new project



Hall & Foreman, Inc.
 Engineering • Surveying • Planning • Landscape Architecture
 14297 Cajon Avenue, Ste 101 • Victorville, CA 91730 • 760-524-9100
 PREPARED UNDER THE SUPERVISION OF:
 MARK A. MONROE, P.L.S. #8170 DATE

AREA COMPUTATION EXHIBIT		
JOB NAME: PARCEL MAP 19004	DRAWN BY: M2	CHECKED BY:
LOCATION: VICTORVILLE	SCALE: 1" = 70'	
DESCRIPTION:	DATE: 7/25/13	
JOB # XR-080016	SHT. #	1 OF 1

PARCEL MAP NO. 19004

IN THE CITY OF VICTORVILLE, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA,
BEING A SUBDIVISION OF PARCEL 4 OF PARCEL MAP NO. 18400, IN THE CITY OF VICTORVILLE, COUNTY
OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT FILED IN BOOK 229 OF PARCEL MAPS,
PAGES 10 THROUGH 14 INCLUSIVE, RECORDS OF SAID COUNTY.

IN THE SOUTH 1/2, SECTION 17 TOWNSHIP 5 NORTH, RANGE 4 WEST S.B.M.
HALL & FOREMAN, INC
MARK A. MONROE, L.S. 8170
AUGUST 2008

OWNER'S STATEMENT

WE HEREBY STATE THAT WE ARE ALL OF THE PARTIES HAVING ANY RECORD TITLE INTEREST IN THE LAND SHOWN SUBDIVIDED WITHIN THE SUBDIVISION BOUNDARY AS SHOWN ON THE ANNEXED PARCEL MAP AND THAT WE ARE THE ONLY PERSONS WHOSE CONSENT IS NECESSARY TO PASS TITLE TO SAID LAND, AND THAT WE CONSENT TO THE SUBDIVISION OF SAID LAND AND THE PREPARATION AND RECORDATION OF THIS MAP. WE ALSO HEREBY ACKNOWLEDGE THE HEREINAFTER "STATEMENT OF REQUIRED IMPROVEMENTS."

WE HEREBY IRREVOCABLY OFFER TO DEDICATE TO THE CITY OF VICTORVILLE, THE PUBLIC IN GENERAL AND TO ANY OF THE SEVERAL PUBLIC UTILITY COMPANIES AUTHORIZED TO SERVE IN SAID SUBDIVISION, A RIGHT OF WAY EASEMENT FOR PUBLIC USE, PUBLIC ACCESS, PUBLIC ROADS, STORM WATER DRAINAGE, LANDSCAPING AND PUBLIC UTILITY PURPOSES IN, UNDER, OVER, THROUGH AND ACROSS CIVIC DRIVE AS SHOWN WITHIN THE SUBDIVISION BOUNDARY OF THE ANNEXED MAP. THE EXPRESSED RIGHTS TO THE PUBLIC IN GENERAL AND TO THE SEVERAL UTILITY COMPANIES SHALL REMAIN INFERIOR TO THE SUPERIOR RIGHTS OF THE CITY OF VICTORVILLE.

CIVIC ROGERS, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY
BY: WPI-CIVIC, LLC A CALIFORNIA LIMITED LIABILITY COMPANY
ITS MANAGERS

BY: [Signature]
NAME: Sam E. Young
ITS: MANAGER

NOTARY ACKNOWLEDGEMENT

STATE OF CALIFORNIA
COUNTY OF Orange
ON October 15, 2008 BEFORE ME, Ethel Jo Curtis, A NOTARY PUBLIC IN AND FOR SAID STATE, PERSONALLY APPEARED Sam E. Young, WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/SHE/THEY EXECUTED THE SAME IN HIS/HER/THEIR AUTHORIZED CAPACITIES, AND THAT BY HIS/HER/THEIR SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(S) ACTED, EXECUTED THE INSTRUMENT.

I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE FOREGOING PARAGRAPH IS TRUE AND CORRECT.
WITNESS MY HAND:

[Signature]
SIGNATURE Ethel Jo Curtis
MY COMMISSION EXPIRES June 5, 2012
COMMISSION NUMBER 1800463
PRINT NAME Ethel Jo Curtis

SURVEYOR'S STATEMENT

I, MARK MONROE, HEREBY STATE THAT I AM A LICENSED LAND SURVEYOR OF THE STATE OF CALIFORNIA AND THAT THIS PARCEL MAP CONSISTING OF 5 SHEETS WAS PREPARED BY ME OR UNDER MY DIRECTION AND IS BASED UPON A FIELD SURVEY IN CONFORMANCE WITH THE REQUIREMENTS OF THE SUBDIVISION MAP ACT AND LOCAL ORDINANCE. AT THE REQUEST OF TERENCE VENEZIA, VICE PRESIDENT OF WPI, IN NOVEMBER, 2007, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN, AND THAT ALL MONUMENTS SHOWN HEREON ARE OF THE CHARACTER AND OCCUPY THE POSITIONS INDICATED, OR WILL BE SET IN SUCH POSITIONS ON OR BEFORE NOVEMBER 30, 2009, IN COMPLIANCE WITH SECTIONS 66495 AND 66496 OF THE SUBDIVISION MAP ACT, AND ARE, OR WILL BE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. I HEREBY STATE THAT THIS PARCEL MAP SUBSTANTIALLY CONFORMS TO THE CONDITIONALLY APPROVED TENTATIVE MAP.

Mark A. Monroe 10-16-08
MARK A. MONROE, L.S. #8170 DATE
LICENSE EXPIRATION: 12/31/08



CITY SURVEYOR'S STATEMENT

I HEREBY STATE THAT I HAVE EXAMINED THE ANNEXED PARCEL MAP THAT THE SUBDIVISION SHOWN THEREON IS SUBSTANTIALLY THE SAME AS IT APPEARED ON THE TENTATIVE PARCEL MAP AND ANY APPROVED ALTERATIONS THEREOF, AND THAT ALL PROVISIONS OF CHAPTER 2 OF THE SUBDIVISION MAP ACT AND TITLE 17 OF THE VICTORVILLE MUNICIPAL CODE HAVE BEEN COMPLIED WITH AND I AM SATISFIED THAT THIS PARCEL MAP IS TECHNICALLY CORRECT.

DATED: October 22, 2008
David J. Cockrum
DAVID J. COCKRUM
L.S. 7976 EXPIRES 12/31/08
CITY SURVEYOR
CITY OF VICTORVILLE, CALIFORNIA



CITY COUNCIL'S ACCEPTANCE CERTIFICATE

I HEREBY CERTIFY THAT THE CITY COUNCIL OF THE CITY OF VICTORVILLE, BY RESOLUTION NO. 76-15, ADOPTED THE 17TH DAY OF FEBRUARY, 1976, HAS AUTHORIZED ME, ACTING ON THEIR BEHALF TO ACKNOWLEDGE THE FOREGOING OFFERS OF DEDICATION, AND TO ACCEPT ALL STREETS SUBJECT TO THEIR IMPROVEMENTS IN ACCORDANCE WITH THE CITY OF VICTORVILLE STANDARDS.

Carole Bates 10-30-08
CAROLE BATES
CITY CLERK
OF THE CITY OF VICTORVILLE, CA DATED

BY: _____
DEPUTY

BOARD OF SUPERVISORS' CERTIFICATE

I HEREBY CERTIFY THAT A BOND IN THE SUM OF \$ 20,200.00 HAS BEEN EXECUTED AND FILED WITH THE BOARD OF SUPERVISORS OF THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, CONDITIONED UPON THE PAYMENT OF ALL TAXES, STATE, COUNTY, MUNICIPAL OR LOCAL, AND ALL SPECIAL ASSESSMENTS COLLECTED AS TAXES, WHICH AT THE TIME OF THE FILING OF THIS MAP WITH THE COUNTY RECORDER AS A LIEN AGAINST SAID PROPERTY, BUT NOT YET PAYABLE AND THAT THE SUBDIVIDER HAS FILED WITH ME A CERTIFICATE BY THE PROPER OFFICER GIVING HIS ESTIMATE OF THE AMOUNT OF SAID TAXES AND SPECIAL ASSESSMENTS, AND SAID BOND IS HEREBY ACCEPTED.

DATE 09/18/08
DENA M. SMITH, CLERK OF THE BOARD OF SUPERVISORS
COUNTY OF SAN BERNARDINO
BY: Shirley Morisy
DEPUTY

AUDITOR'S CERTIFICATE

I HEREBY CERTIFY THAT ACCORDING TO THE RECORDS OF THE OFFICE, AS OF THIS DATE, THERE ARE NO LIENS AGAINST THE REAL PROPERTY SHOWN UPON THIS MAP FOR UNPAID STATE, COUNTY, MUNICIPAL OR LOCAL TAXES, SPECIAL ASSESSMENTS COLLECTED AS TAXES, EXCEPT TAXES OR SPECIAL ASSESSMENTS NOT YET PAYABLE, ESTIMATED TO BE \$ 20,200.00

DATE 09/18/08
LARRY WALKER, COUNTY AUDITOR/CONTROLLER
COUNTY OF SAN BERNARDINO
BY: Shirley Morisy
DEPUTY

SAN BERNARDINO COUNTY RECORDER'S CERTIFICATE

THIS MAP HAS BEEN FILED UNDER DOCUMENT NUMBER 0908-04809916 O.R. 230
ON 09/18/08 AT 11:14 A.M. IN BOOK 230
OF PARCEL MAPS AT PAGES 59-63 AT THE REQUEST
OF FIRST AMERICAN TITLE COMPANY

LARRY WALKER
AUDITOR/CONTROLLER-RECORDER
COUNTY OF SAN BERNARDINO
BY: Shirley Morisy
DEPUTY RECORDER

CITY OF VICTORVILLE HOLDER OF EASEMENTS FOR STREET PURPOSES PER DOCUMENT RECORDED IN BOOK 8425 PAGES 708 THROUGH 711, INCLUSIVE, OF OFFICIAL RECORDS OF SAN BERNARDINO COUNTY AND PER PARCEL MAP NO. 13879 PER MAP FILED IN BOOK 162 PAGES 84 THROUGH 88, INCLUSIVE OF PARCEL MAPS AND PARCEL MAP NO. 18400 PER MAP FILED IN BOOK 226 PAGES 10 THROUGH 14, INCLUSIVE OF PARCEL MAPS, BOTH RECORDS OF SAID COUNTY.

230/59

230/59

PARCEL MAP NO. 19004

IN THE CITY OF VICTORVILLE, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA,
BEING A SUBDIVISION OF PARCEL 4 OF PARCEL MAP NO. 18400, IN THE CITY OF VICTORVILLE, COUNTY
OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT FILED IN BOOK 229 OF PARCEL MAPS,
PAGES 10 THROUGH 14 INCLUSIVE, RECORDS OF SAID COUNTY.

IN THE SOUTH 1/2, SECTION 17 TOWNSHIP 5 NORTH, RANGE 4 WEST S.B.M.

HALL & FOREMAN, INC

AUGUST 2008

STATEMENT OF REQUIRED IMPROVEMENTS

PURSUANT TO CITY OF VICTORVILLE MUNICIPAL CODE AND THE CONDITIONS OF APPROVAL OF THE TENTATIVE MAP OF THIS SUBDIVISION, IMPROVEMENTS ARE TO BE INSTALLED BY THE SUBDIVIDER OR ANY SUCCESSOR IN INTEREST OF ANY PARCELS TO BE CREATED BY THIS SUBDIVISION. IN ACCORDANCE WITH THE PROVISIONS OF SECTIONS 66411.1 OF THE SUBDIVISION MAP ACT, THE FULFILLMENT OF THE CONSTRUCTION REQUIREMENTS SHALL NOT BE REQUIRED UNTIL THE TIME A PERMIT OR OTHER GRANT OF APPROVAL FOR DEVELOPMENT OF ANY OR ALL PARCELS CREATED BY THIS SUBDIVISION IS ISSUED BY THE CITY OF VICTORVILLE. ALL SUCH IMPROVEMENTS SHALL BE CONSTRUCTED AT THE EXPENSE OF THE SUBDIVIDER OR SUCCESSOR IN INTEREST. THE IMPROVEMENTS SHALL INCLUDE BUT ARE NOT LIMITED TO, THE FOLLOWING:

- (1) STREET GRADING, INSTALLATION OF CURBS, GUTTERS, SIDEWALKS, DRIVEWAY APPROACHES, PROVISIONS FOR DRAINAGE AND CONSTRUCTION OF DRAINAGE STRUCTURES NECESSARY TO THE PROPER USE AND DRAINAGE OF THE STREETS AND/OR TO THE PUBLIC SAFETY, CONVENIENCE AND PROTECTION OF PROPERTY;
- (2) PAVING OF STREETS, PATHS AND ALLEYS AS REQUIRED;
- (3) PROVISION FOR A WATER SYSTEM WITH MAINS OF SUFFICIENT SIZE AND HAVING A SUFFICIENT NUMBER OF OUTLETS TO FURNISH ADEQUATE POTABLE WATER SUPPLY TO EACH LOT OF THE SUBDIVISION IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR PUBLIC IMPROVEMENTS OF THE CITY WITH SUFFICIENT FIRE HYDRANTS, GATED CONNECTIONS AND APPURTENANCES TO PROVIDE ADEQUATE FIRE PROTECTION IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS;
- (4) SANITARY SEWER FACILITIES AND CONNECTIONS FOR EACH LOT TO A SEWAGE SYSTEM APPROVED BY THE CITY ENGINEER AND TO THE EXTENT IT IS ENGINEERINGLY AND ECONOMICALLY FEASIBLE AS DETERMINED BY THE PLANNING COMMISSION;
- (5) AN APPROVED TYPE OF STREET LIGHTING SYSTEM;
- (6) INSTALLATION OF STREET SIGNS AS REQUIRED;
- (7) INSTALLATION OF ELECTRIC, NATURAL GAS, TELEPHONE, AND COMMUNICATIONS UTILITY SERVICE FACILITIES TO EACH LOT WITHIN THE SUBDIVISION;
- (8) ARRANGEMENTS FOR THE INSTALLATION OF ANY LINES AND/OR OTHER EQUIPMENT NECESSARY TO EXTEND CABLE TELEVISION SERVICE FOR EVERY CATV FRANCHISE AUTHORIZED BY THE CITY TO SERVE THE SUBDIVISION TO EACH RESIDENTIAL PARCEL IN THE SUBDIVISION PURSUANT TO THE PROVISIONS OF SECTION 17.64.030 (b) OF THE VICTORVILLE MUNICIPAL CODE.
- (9) SUBDIVIDER SHALL RELOCATE OR CAUSE TO BE RELOCATED ALL EXISTING UTILITY FACILITIES REQUIRED TO BE RELOCATED AS A RESULT OF THE CONSTRUCTION OF IMPROVEMENTS SET FORTH IN ALL REQUIRED IMPROVEMENTS.
- (10) THOSE IMPROVEMENTS LISTED IN THE CONDITIONS OF APPROVAL FOR TENTATIVE PARCEL MAP NO. 19004 PER CITY OF VICTORVILLE PLANNING COMMISSION RESOLUTION NO. P-08-082 GRANTING PARCEL MAP PLAN08-00057.

230/60

230/60

PARCEL MAP NO. 19004

IN THE CITY OF VICTORVILLE, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA,
 BEING A SUBDIVISION OF PARCEL 4 OF PARCEL MAP NO. 18400, IN THE CITY OF VICTORVILLE, COUNTY
 OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT FILED IN BOOK 229 OF PARCEL MAPS,
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IN THE SOUTH 1/2, SECTION 17 TOWNSHIP 5 NORTH, RANGE 4 WEST S.B.M.

HALL & FOREMAN, INC AUGUST 2008

SHEET INDEX AND BOUNDARY MAP

CURVE DATA				
CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	29°28'30"	28.00' (M&R5)	14.40' (M&R5)	7.37' (M&R5)
C2	35°47'17"	410.00' (M&R5)	256.09' (M&R5)	132.38' (M&R5)



BASIS OF BEARINGS

THE CENTERLINE OF ROY ROGERS DRIVE SHOWN AS N89°02'32"E PER PARCEL MAP NO. 18400, P.M.B. 229/10-14

MONUMENT NOTES

- INDICATES FOUND MONUMENT AS NOTED.
- INDICATES 1" I.P. TAGGED U.S. 8170 TO BE SET AT ALL PARCEL AND BOUNDARY CORNERS UNLESS OTHERWISE NOTED. CENTERLINE MONUMENTS TO BE SET 1/4" BELOW FINISHED SURFACE. IN THE EVENT A CORNER IS LOCATED UPON A CONCRETE SURFACE, FOOTING, WALL OR CURB, A NAIL AND TAG SHALL BE SET IN LIEU OF A 1" I.P.
- △ INDICATES POSITION OF 1" I.P. TAGGED U.S. 8170 TO BE SET PER PARCEL MAP NO. 18400, P.M.B. 229/10-14, CORRECTED BY CERTIFICATE OF CORRECTION RECORDED SEPTEMBER 25, 2008 AS INSTRUMENT NO. 20080432898, O.R.
 THIS PARCEL CONTAINS SIX (6) NUMBERED PARCELS.
- ALL OF TENTATIVE PARCEL MAP NO. 19004 CASE NO. PLN-08-0057.

EASEMENT NOTES

SUBJECT TO EASEMENTS FOR INGRESS AND EGRESS, UTILITIES, CONSTRUCTION, MAINTENANCE AND RECONSTRUCTION; AND MISCELLANEOUS COMMON AREA EASEMENTS AS EFFECTED BY THAT DOCUMENT ENTITLED "DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS AND RECIPROCAL EASEMENTS" RECORDED JULY 10, 2008 AS DOCUMENT NO. 2008-0313701 OF OFFICIAL RECORDS OF SAN BERNARDINO COUNTY. (UNPLOTTABLE)

- △ INDICATES NON-VEHICULAR ACCESS PER PARCEL MAP NO. 13879, P.M.B. 162/84-88.
- ▽ INDICATES NON-VEHICULAR ACCESS PER PARCEL MAP NO. 18400, P.M.B. 229/10-14.
- ◁ INDICATES AN 84' GRANT OF STREET EASEMENT TO THE CITY OF VICTORVILLE PER DOCUMENT RECORDED MAY 7, 1974 IN BOOK 8425 PAGES 708-711
- ▷ INDICATES A STREET EASEMENT TO THE CITY OF VICTORVILLE PER PARCEL MAP NO. 13879, P.M.B. 162/84-88.
- ◊ INDICATES AN EASEMENT FOR A PUBLIC RIGHT-OF-WAY PURPOSES TO THE CITY OF VICTORVILLE PER PARCEL MAP NO. 18400, P.M.B. 229/10-14 AND AS DEDICATED HEREON.

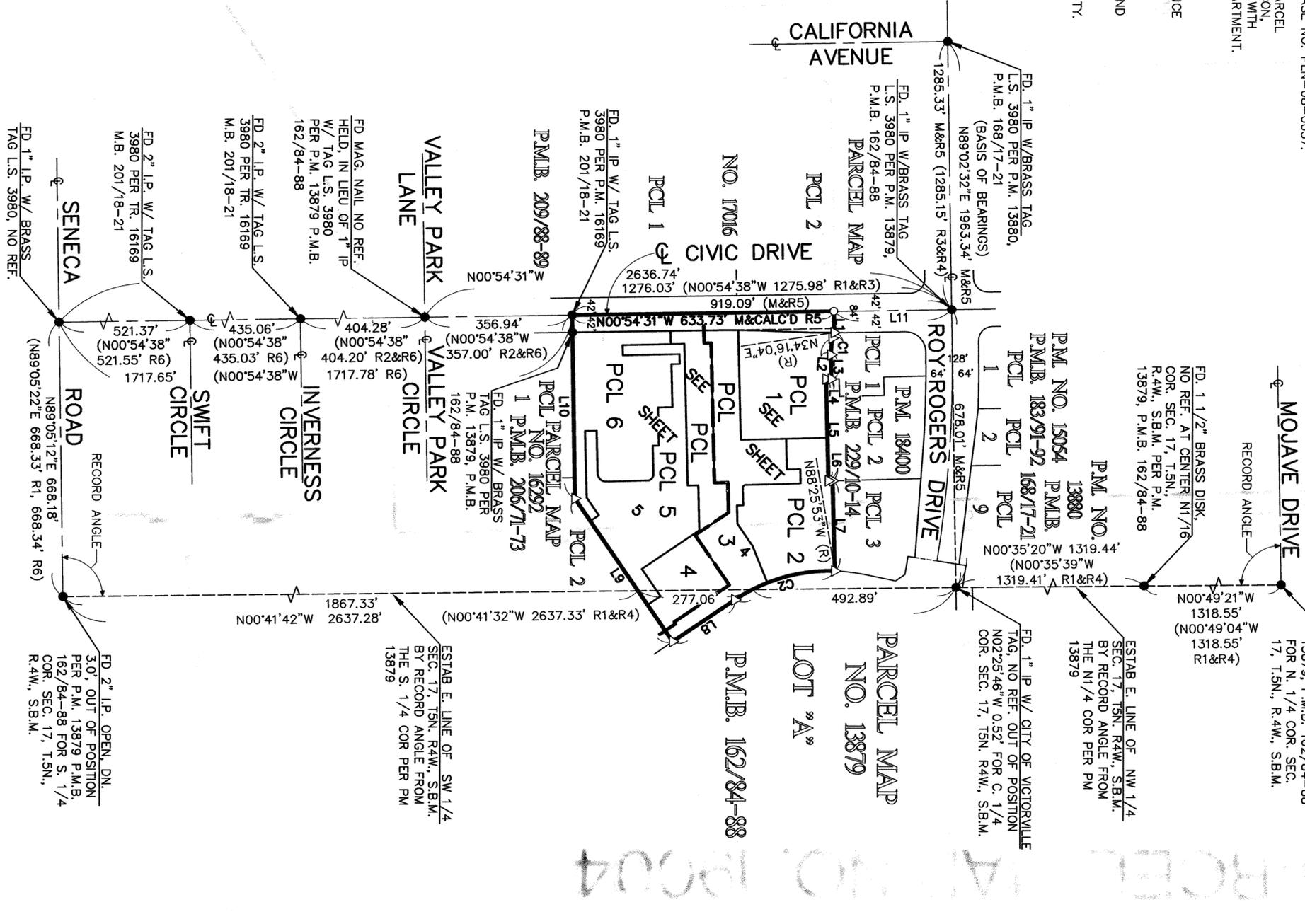
LEGEND

- DENOTES SUBDIVISION BOUNDARY LINE
- C# DENOTES CURVE DATA IN TABLE
- L# DENOTES LINE DATA IN TABLE
- (R) DENOTES RADIAL BEARING
- (PRC) DENOTES RADIAL BEARING AT POINT OF REVERSE CURVE
- (PCC) DENOTES RADIAL BEARING AT POINT OF COMPOUND CURVE
- ESTAB. DENOTES ESTABLISHED
- FD. DENOTES FOUND
- DN. DENOTES DOWN
- W/ DENOTES WITH
- Q DENOTES CENTERLINE
- I.P. DENOTES IRON PIPE
- CALC'D DENOTES CALCULATED
- REC. DENOTES RECORD
- PCL DENOTES PARCEL

RECORD DATA NOTES

- (M) DENOTES MEASURED DISTANCE
- R1 - PARCEL MAP NO. 13879 P.M.B. 162/84-88
- R2 - PARCEL MAP NO. 16292 P.M.B. 206/71-73
- R3 - PARCEL MAP NO. 17016 P.M.B. 209/88-89
- R4 - PARCEL MAP NO. 13880 P.M.B. 168/17-21
- R5 - PARCEL MAP NO. 18400 P.M.B. 229/10-14
- R6 - PARCEL MAP NO. 16169 P.M.B. 201/18-21

LINE	BEARING	LENGTH
L1	N89°04'41"E	51.83'
L2	N85°12'26"W	41.08' (M&R5)
L3	N88°32'09"E	58.91' (M&R5)
L4	N01°27'51"W	13.00' (M&R5)
L5	N88°32'09"E	248.09' (M&R5)
L6	N01°27'51"W	10.14' (M&R5)
L7	N88°32'09"E	220.60' (M&R5)
L8	N34°13'07"W	181.80' (R1&R5)
L9	N55°46'53"E	422.02' (M&R5)
L10	(N55°46'53"E)	(421.81' R1&R2)
L11	N89°02'39"E	447.86'
	N89°02'32"E	(447.99' R1&R2)
	N00°54'31"W	285.36' M&CALC'D R5



230/61

230/61

230/02

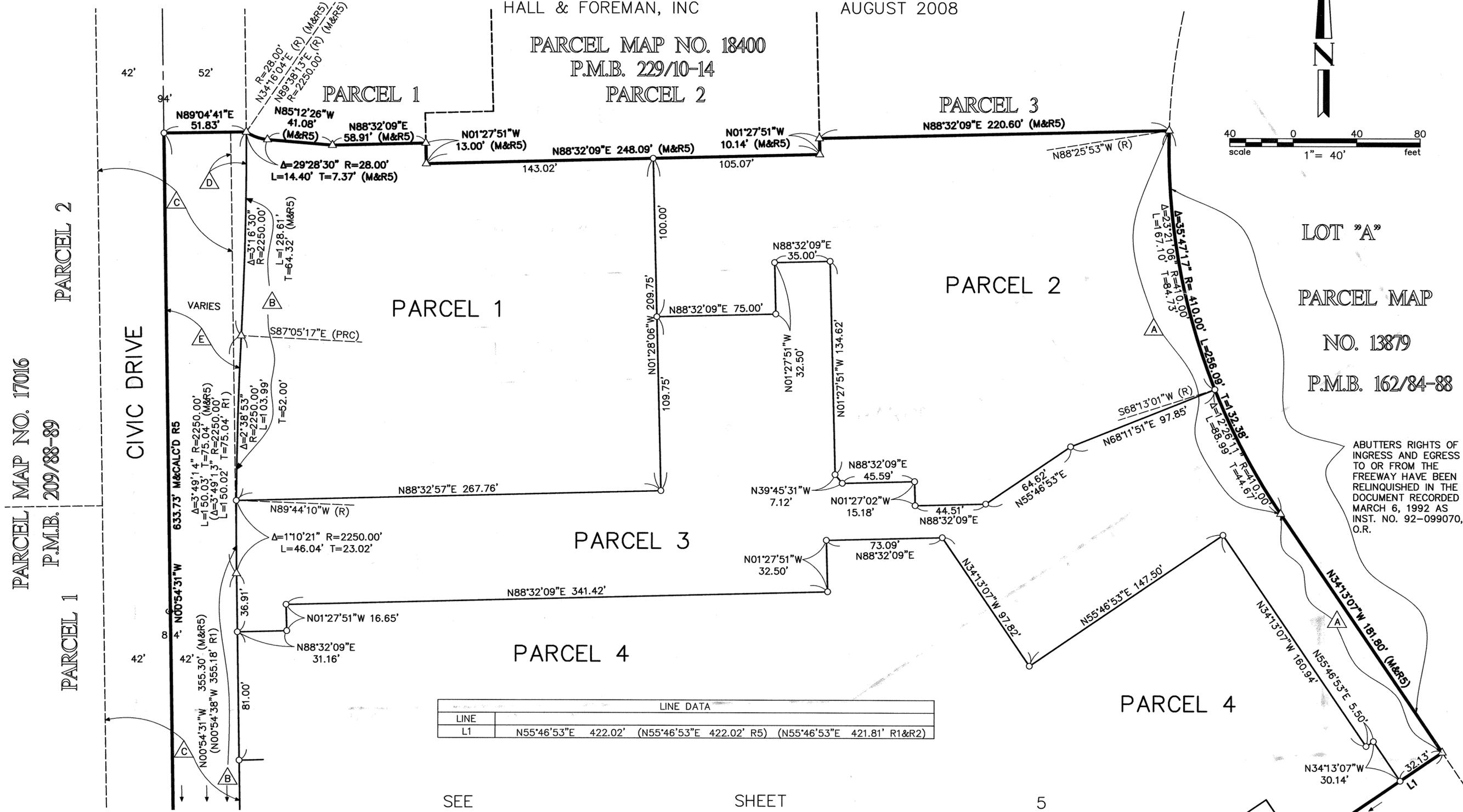
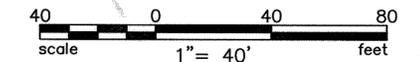
PARCEL MAP NO. 19004

IN THE CITY OF VICTORVILLE, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA.
 BEING A SUBDIVISION OF PARCEL 4 OF PARCEL MAP NO. 18400, IN THE CITY OF VICTORVILLE, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT FILED IN BOOK 229 OF PARCEL MAPS, PAGES 10 THROUGH 14 INCLUSIVE, RECORDS OF SAID COUNTY.
 IN THE SOUTH 1/2, SECTION 17 TOWNSHIP 5 NORTH, RANGE 4 WEST S.B.M.

HALL & FOREMAN, INC

AUGUST 2008

PARCEL MAP NO. 18400
 P.M.B. 229/10-14
 PARCEL 2



LINE DATA	
LINE	
L1	N55°46'53"E 422.02' (N55°46'53"E 422.02' R5) (N55°46'53"E 421.81' R1&R2)

SEE SHEET 5

PARCEL MAP NO. 17016
 P.M.B. 209/88-89
 PARCEL 1

CIVIC DRIVE

LOT "A"
 PARCEL MAP
 NO. 13879
 P.M.B. 162/84-88

ABUTTERS RIGHTS OF INGRESS AND EGRESS TO OR FROM THE FREEWAY HAVE BEEN RELINQUISHED IN THE DOCUMENT RECORDED MARCH 6, 1992 AS INST. NO. 92-099070, O.R.

230/02

230/63

PARCEL MAP NO. 19004

IN THE CITY OF VICTORVILLE, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA.
BEING A SUBDIVISION OF PARCEL 4 OF PARCEL MAP NO. 18400, IN THE CITY OF VICTORVILLE, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT FILED IN BOOK 229 OF PARCEL MAPS, PAGES 10 THROUGH 14 INCLUSIVE, RECORDS OF SAID COUNTY.

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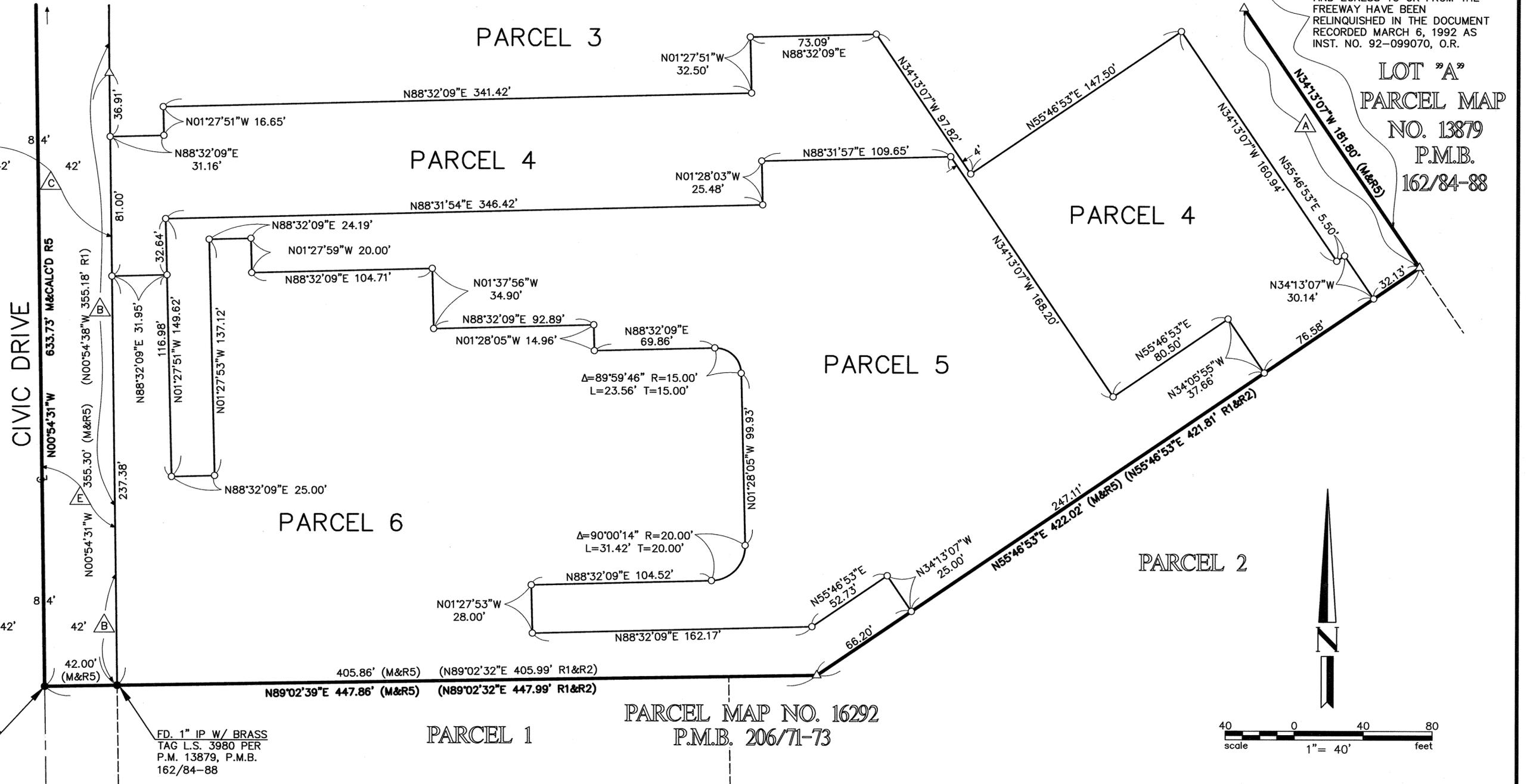
HALL & FOREMAN, INC

AUGUST 2008

SEE SHEET 4

PARCEL MAP NO. 17016 P.M.B. 209/88-89
PARCEL 1

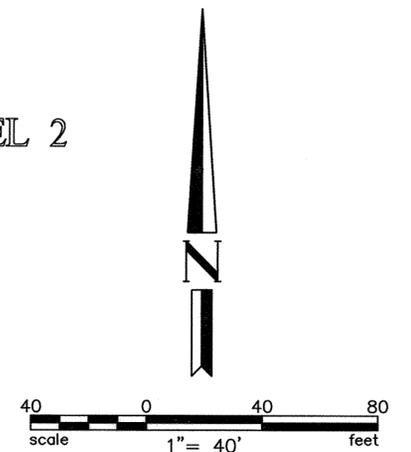
CIVIC DRIVE



FD. 1" IP W/ TAG L.S.
3980 PER P.M. 16169
P.M.B. 201/18-21

FD. 1" IP W/ BRASS
TAG L.S. 3980 PER
P.M. 13879, P.M.B.
162/84-88

PARCEL MAP NO. 16292
P.M.B. 206/71-73



ABUTTERS RIGHTS OF INGRESS AND EGRESS TO OR FROM THE FREEWAY HAVE BEEN RELINQUISHED IN THE DOCUMENT RECORDED MARCH 6, 1992 AS INST. NO. 92-099070, O.R.

LOT "A"
PARCEL MAP
NO. 13879
P.M.B.
162/84-88

230/63



INTRODUCTION

In order to qualify for one of the *Landowner Liability Protections (LLPs)*¹ offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the “*Brownfields Amendments*”),² the *user* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that “*all appropriate inquiries*” is not complete.

(1.) Environmental liens that are filed or recorded against the *property* (40 CFR 312.25).

Did a search of *recorded land title records* (or judicial records where appropriate, see *Note 1* below) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law? CarMax has pulled land title record and is performing an analysis of all liens.

Note 1—In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

(2.) Activity and use limitations that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and vi).

Did a search of *recorded land title records* (or judicial records where appropriate, see *Note 1* above) identify any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law? I am not aware of any.

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business? I have no specialize knowledge.

¹ *Landowner Liability Protections*, or *LLPs*, is the term used to describe the three types of potential defenses to Superfund liability in EPA’s *Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability* (“*Common Elements*” Guide) issued on March 6, 2003.

² P.L. 107-118.



(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

Yes, price reflects fair value

(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? I have no knowledge.

For example,

(a.) Do you know the past uses of the *property*? Vacant / residential and perhaps agricultural years ago.

(b.) Do you know of specific chemicals that are present or once were present at the *property*?
no

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?
no

(d.) Do you know of any environmental cleanups that have taken place at the *property*?
no

(6.) The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

Based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of releases at the *property*? none



ASTM E1527-13
Phase I Environmental Site Assessment
User Questionnaire

In addition, certain information should be collected, if available, and provided to the *environmental professional* conducting the *Phase I Environmental Site Assessment*. This information is intended to assist the *environmental professional*, but is not necessarily required to qualify for one of the *LLPs*. The information includes:

- (a) the reason why the Phase I is being performed,
- (b) the type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc.,
- (c) the complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful),
- (d) the scope of services desired for the Phase I ESA (including whether any parties to the *property* transaction may have a required standard scope of services or whether any considerations beyond the requirements of Practice E1527 are to be considered),
- (e) identification of all parties who will rely on the Phase I *report* ,
- (f) identification of the site contact and how the contact can be reached,
- (g) any special terms and conditions which must be agreed upon by the *environmental professional*, and
- (h) any other knowledge or experience with the *property* that may be pertinent to the *environmental professional* (for example, copies of any available prior *environmental site assessment reports*, documents, correspondence, etc., concerning the *property* and its environmental condition).

The *USER QUESTIONNAIRE* was completed by:

Name: Steve Hudak

Title Real Estate Manager

Firm: CarMax

Address: 12800 Tuckahoe Creek Parkway

Richmond VA 23238

Phone Number (office): 804-747-0422 ext - 4056

(cell): 804-922-7877

User represents that to the best of the *user's* knowledge the above statements and facts are true and correct, and, to the best of the *user's* knowledge, no material facts have been suppressed or misstated.

5-30/2018

User's Signature

Date

APPENDIX D
HISTORICAL RESEARCH DOCUMENTATION

Proposed Automotive Dealership

Civic Drive / Roy Rogers Drive

Victorville, CA 92394

Inquiry Number: 5277637.3

May 01, 2018

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

05/01/18

Site Name:

Proposed Automotive Dealersh
Civic Drive / Roy Rogers Drive
Victorville, CA 92394
EDR Inquiry # 5277637.3

Client Name:

Kleinfelder, Inc.
2 Ada, Suite 250
Irvine, CA 92618-0000
Contact: Margaret Carroll



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Kleinfelder, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # C046-4A80-9DD5

PO # NA

Project 20183689.001A

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: C046-4A80-9DD5

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Proposed Automotive Dealership

Civic Drive / Roy Rogers Drive

Victorville, CA 92394

Inquiry Number: 5277637.12

May 02, 2018

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

05/02/18

Site Name:

Proposed Automotive Dealersh
Civic Drive / Roy Rogers Drive
Victorville, CA 92394
EDR Inquiry # 5277637.12

Client Name:

Kleinfelder, Inc.
2 Ada, Suite 250
Irvine, CA 92618-0000
Contact: Margaret Carroll



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>
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1994	1"=500'	Acquisition Date: May 29, 1994	USGS/DOQQ
1984	1"=500'	Flight Date: October 07, 1984	USDA
1974	1"=500'	Flight Date: November 26, 1974	USGS
1968	1"=500'	Flight Date: May 28, 1968	USDA
1959	1"=500'	Flight Date: November 07, 1959	USDA
1953	1"=500'	Flight Date: January 23, 1953	USDA

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INQUIRY #: 5277637.12

YEAR: 2014

— = 500'





INQUIRY #: 5277637.12

YEAR: 2010

— = 500'



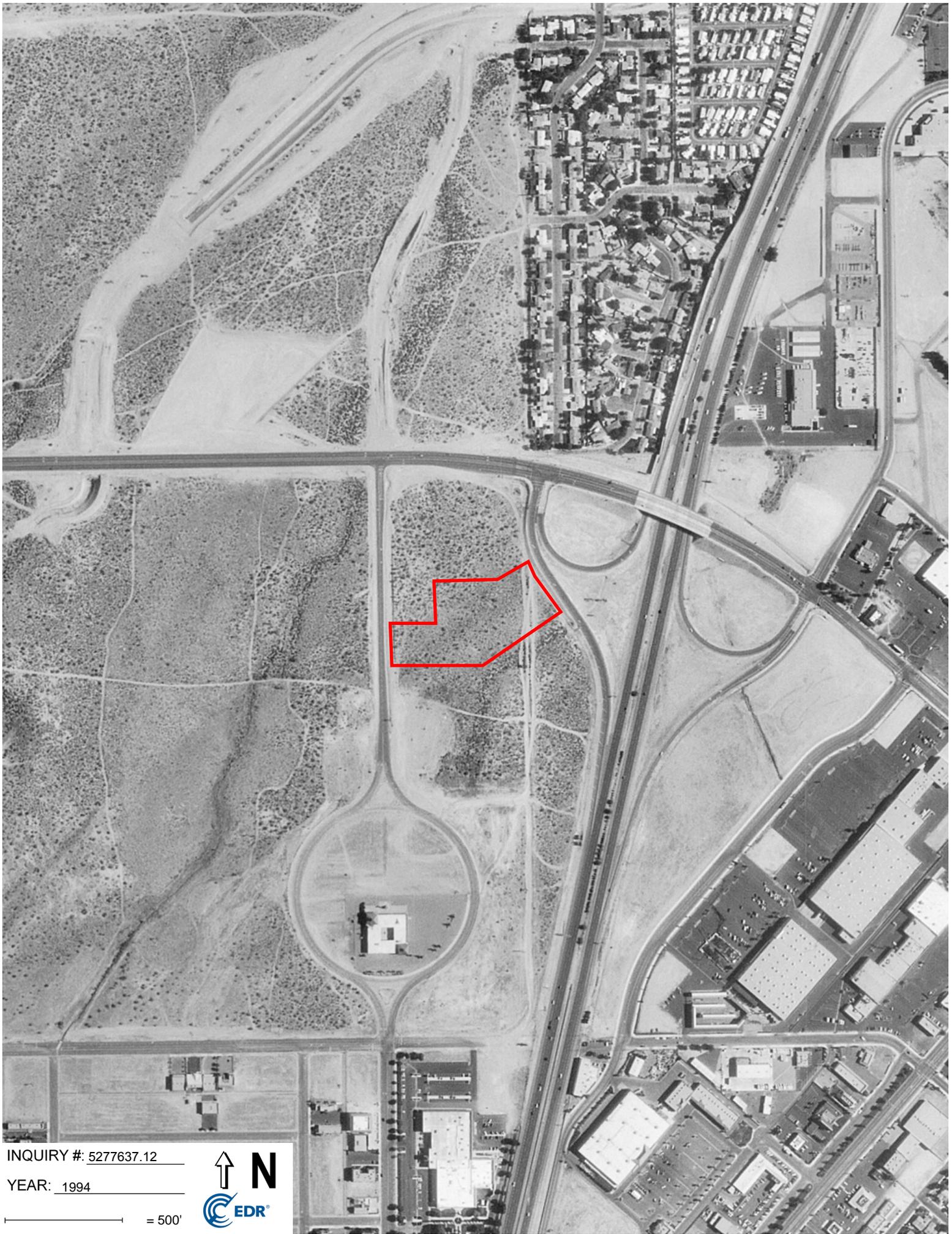


INQUIRY # 5277637.12

YEAR: 2005

— = 500'





INQUIRY #: 5277637.12

YEAR: 1994

— = 500'





INQUIRY #: 5277637.12

YEAR: 1984

— = 500'



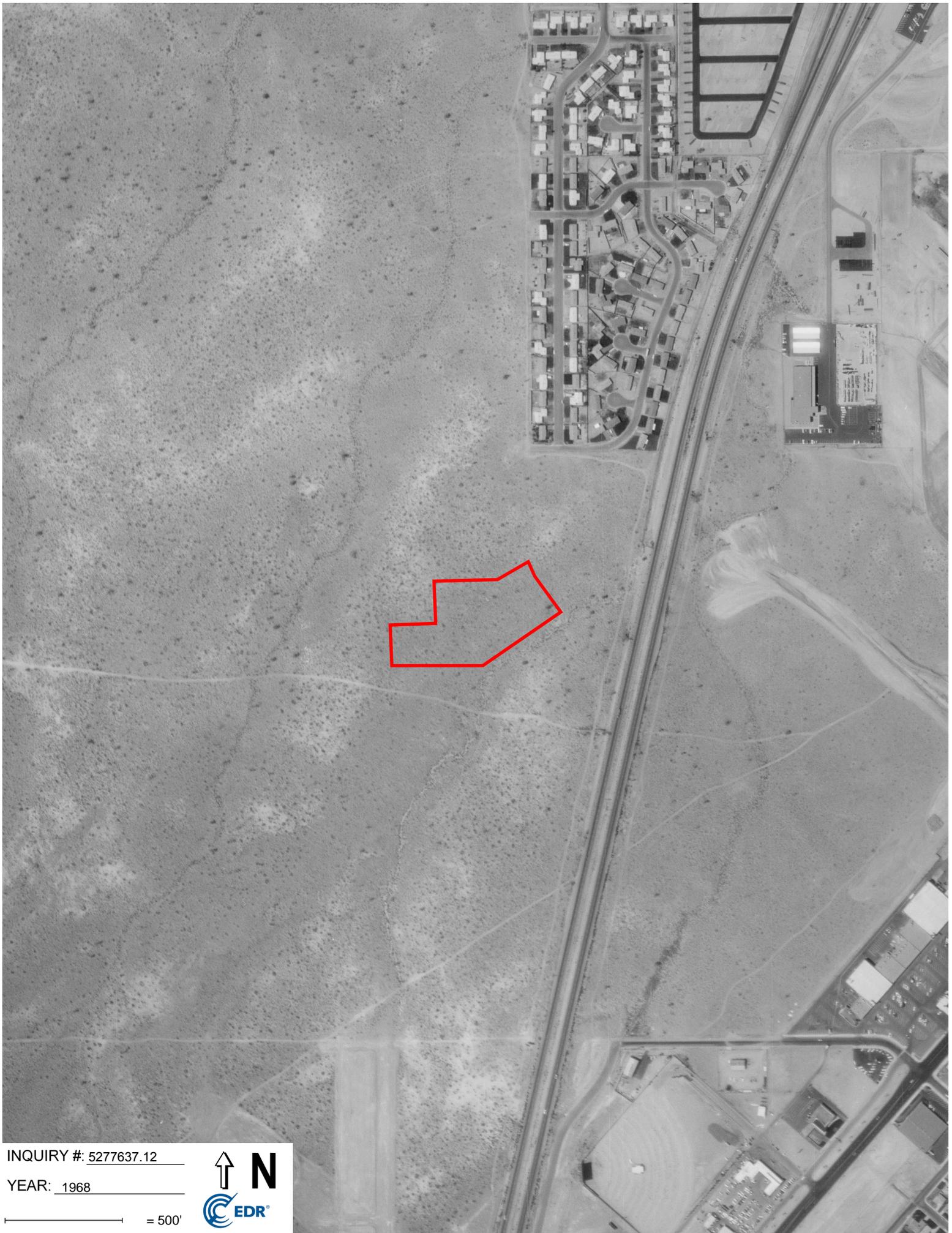


INQUIRY #: 5277637.12

YEAR: 1974

— = 500'



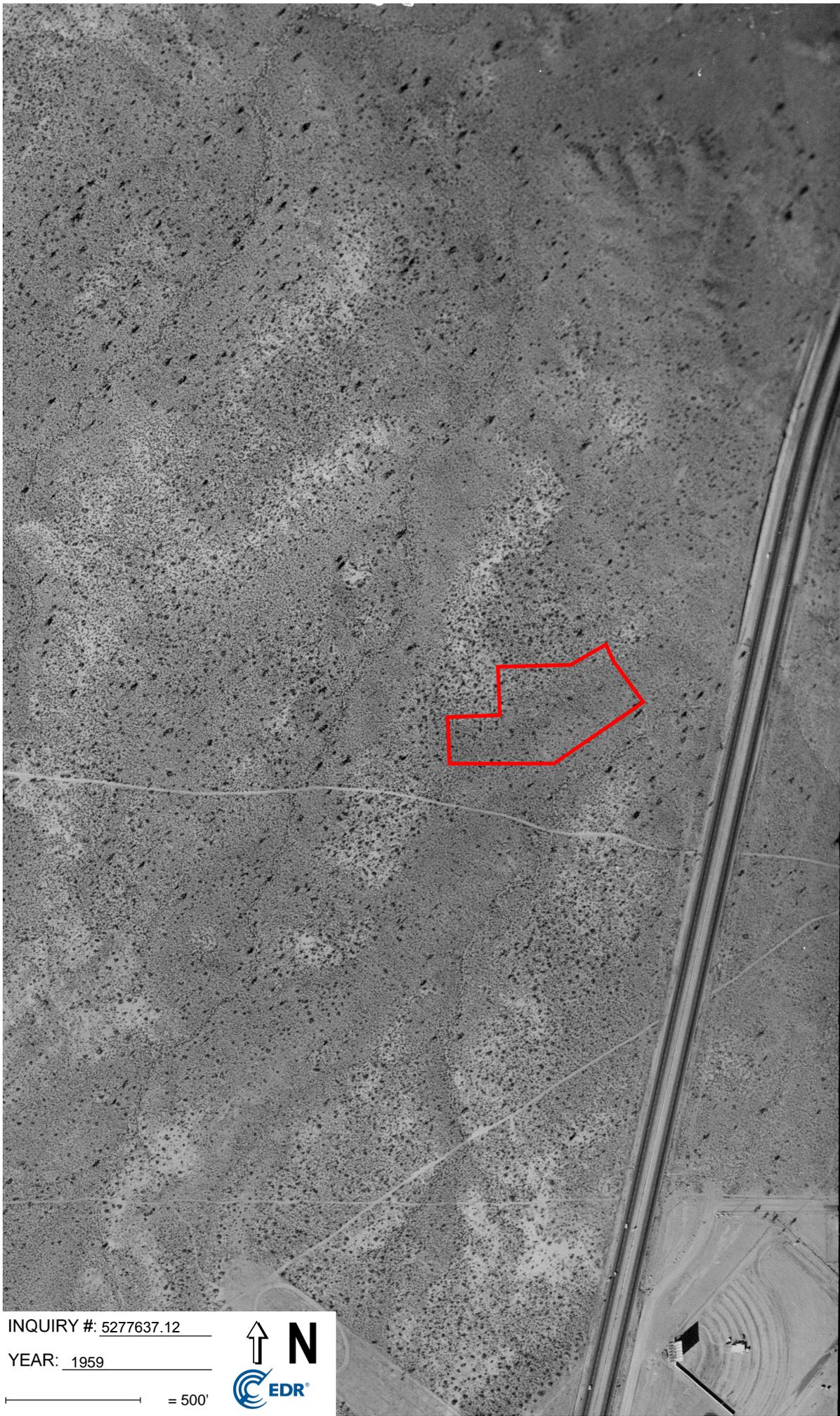


INQUIRY #: 5277637.12

YEAR: 1968

— = 500'



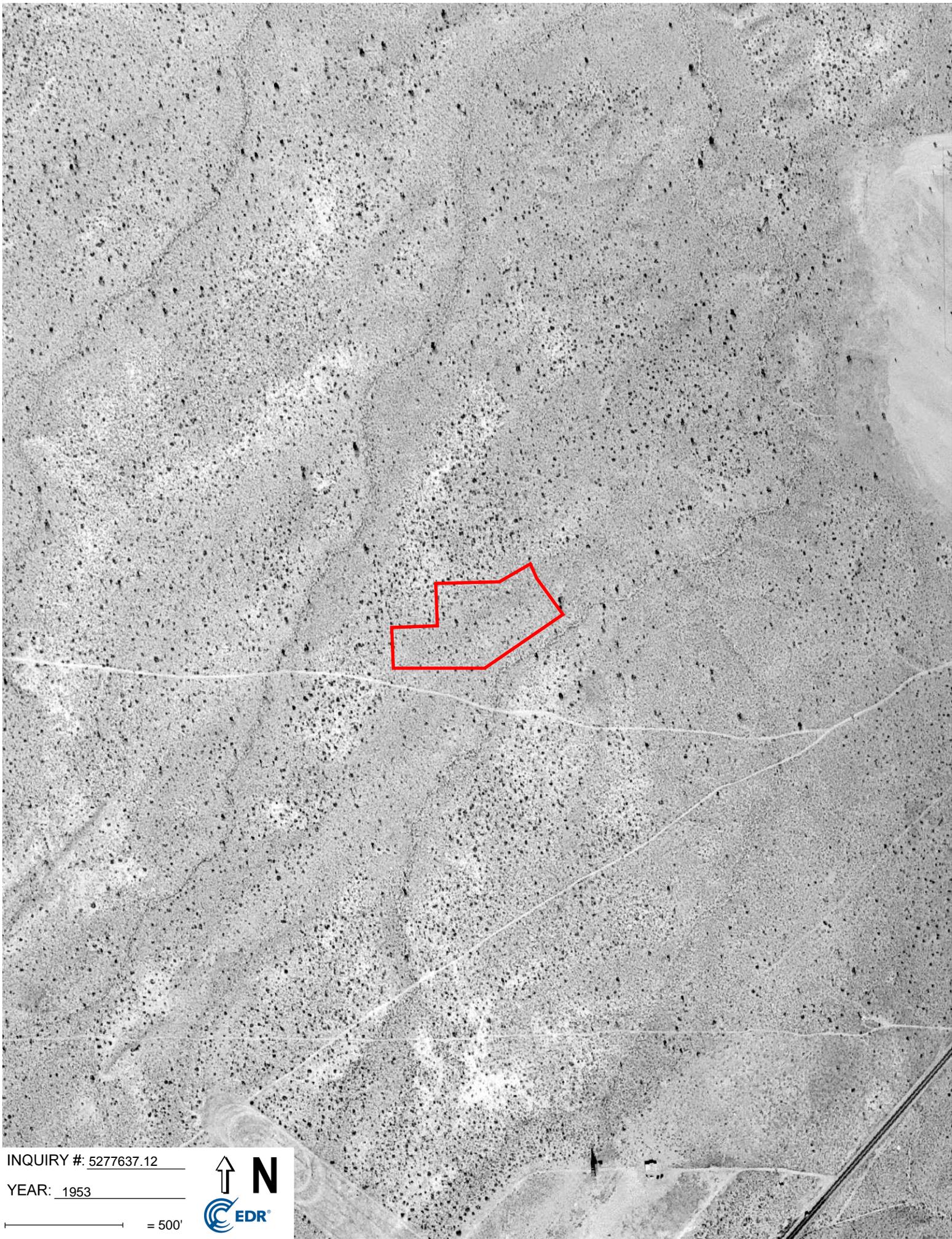


INQUIRY #: 5277637.12

YEAR: 1959

— = 500'





INQUIRY #: 5277637.12

YEAR: 1953

— = 500'



Proposed Automotive Dealership

Civic Drive / Roy Rogers Drive
Victorville, CA 92394

Inquiry Number: 5277637.5
May 03, 2018

The EDR-City Directory Image Report

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City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory 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>
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input checked="" 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
1980	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1964	<input type="checkbox"/>	<input type="checkbox"/>	Luskey City Directory

FINDINGS

TARGET PROPERTY STREET

Civic Drive / Roy Rogers Drive
Victorville, CA 92394

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

CIVIC DR

2014	pg A1	EDR Digital Archive	
2010	pg A3	EDR Digital Archive	
2005	pg A5	EDR Digital Archive	
2000	pg A7	EDR Digital Archive	
1995	pg A8	EDR Digital Archive	
1992	pg A9	EDR Digital Archive	
1985	pg A10	Haines Criss-Cross Directory	
1980	pg A11	Haines Criss-Cross Directory	
1975	pg A12	Haines Criss-Cross Directory	
1964	-	Luskey City Directory	Street not listed in Source

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>ROY ROGERS DR</u>			
2014	pg. A2	EDR Digital Archive	
2010	pg. A4	EDR Digital Archive	
2005	pg. A6	EDR Digital Archive	
2000	-	EDR Digital Archive	Street not listed in Source
1995	-	EDR Digital Archive	Street not listed in Source
1992	-	EDR Digital Archive	Street not listed in Source
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source
1964	-	Luskey City Directory	Street not listed in Source

City Directory Images

CIVIC DR 2014

14343 VICTORVILLE CITY OF
VICTORVILLE CITY PARKS
VICTORVILLE PUBLIC DEVELOPMENT

14350 GERICKE, J
HESPERIA SYCAMORE ASSCTS A CA
HOGAN WALTER J
INGERSOLL PROFESSIONAL
LOPEZ, ANDREA
SHIELDS HANNA & HAYTON ATTYS A

14360 LITTLE, DONALD W

14420 LEGAL MANAGEMENT SERVICES

14440 STATE WATER RESOURCES CTRL BD

14555 AUTO PARK AT VALLEY CENTER

14617 STAWMIT COMPANIES LLC
VICTORVILLE MOTORS INC

14673 BROWNING DICK INC
DONCO ENTERPRISES INC
VALLEY HI KIA

15270 PANDA EXPRESS INC

15400 SAN BERNARDINO COUNTY OF

15428 CONSERVATION SERVICE GROUP
INSTITUTE FOR PUBLIC
PINKERTON SEC & INVESTIGATIONS

15490 GREATER HOPER FOUNDATIONS
INTERCON SECURITY SYSTEMS INC
MYERS INSURANCE AGENCY

15505 HIGH DESERT YOUTH INC

15525 ENTERPRISE RENT-A-CAR

ROY ROGERS DR 2014

15318 WALGREEN CO
15350 WINCO FOODS LLC
15368 WELLS FARGO BANK NATIONAL ASSN
15617 BRASS PICKLE DELI
STARBUCKS CORPORATION
15655 HOME DEPOT USA INC
15667 CITIGROUP INC
CIVIC ROGER
15669 AMERICAS TIRE
15683 CORNER CAFE
DESERT SKY DENTAL GROUP
DIAMOND WIRELESS
GOLDEN CHOPSTIX
MOJAVE PIZZA INC
PAPA JOHNS PIZZA
RITESH KUMAR DDS
STROMBERG LOUIS DDS
STROMBERG PROFESSIONAL DENTAL
SUSHIARU
15730 AM PM MINI MARKET
PSI 6341
SO COAST SERVICE STATION LP

CIVIC DR 2010

1450 AFFODABLE LEGAL SERVICES
 14343 COMMUNITY SERVICES DEPARTMENT
 RUNNER SHARON ASSEMBLYMEMBER 3
 VICTORVILLE CITY OF
 VICTORVILLE PUBLIC DEVELOPMENT
 14350 ARIES FINANCIAL GROUP
 BUSINESS & CONTRACT LAW
 CLAYPOOL CAROL
 DEPRISCO, NICK
 FWANISZYK, RICHARD M
 GERICKE, J
 HESPERIA SYCAMORE ASSCTS A CA
 HOGAN WALTER J
 INGERSOLL PROFESSIONAL
 KAMPF W ROGER & ASSOC LAW OFF
 MEDEIROS DAVID
 STEPHANIE, ROBERTS
 WESTERHOLD ADVERTISING
 14360 LITTLE, DONALD W
 14420 LEGAL MANAGEMENT SERVICES
 14440 STATE WATER RESOURCES CTRL BD
 14455 SAN BERNARDINO COUNTY OF
 14555 GREINER PONTIAC-BUICK INC
 HERTZ RENT A CAR
 MONARCH RET DVELOPMENTS II LLC
 PCSSM CORPORATION
 PHILLY CHEESE STEAK SUBS MORE
 14673 BROWNING DICK INC
 DONCO ENTERPRISES INC
 HI-DESERT VENTURE LLC
 15270 PANDA EXPRESS INC
 15400 SAN BERNARDINO COUNTY OF
 15428 ALL TEMP
 CONSERVATION SERVICE GRO
 RIPLEY, THOMAS
 RITTER & LECLERE A PROF CORP
 15490 FIRST FOUNDERS FINANCIAL
 MYERS INSURANCE AGENCY
 SORLEY, GARY E
 WATSON, BRIAN W
 15505 HIGH DESERT YOUTH INC
 SAN BERNARDINO COUNTY OF
 15525 ENTERPRISE RENT-A-CAR

ROY ROGERS DR 2010

15350 WINCO FOODS
15368 WELLS FARGO BANK NATIONAL ASSN
15617 STARBUCKS CORPORATION
15655 HOME DEPOT USA INC
15667 CITIGROUP INC
CIVIC ROGER
FARMER BYS REST ROY ROGERS DRV
NESTLE TOLLHOUSE CAFE BY
15669 AMERICAS TIRE
15683 BULLDOG FREIGHT SERVICES LLC
DESERT SKY DENTAL GROUP
GO WIRELESS OF SAN DIEGO INC
GOLDEN CHOPSTIX
KUMAR RITESH DDS
MOJAVE PIZZA INC
PAPA JOHNS PIZZA
STROMBERG LOUIS DDS
STROMBERG PROFESSIONAL DENTAL
SUSHIARU
UPS STORE
VICTORVILLE L & L
15730 AM PM MINI MARKET
PSI 6341
SO COAST SERVICE STATION LP

CIVIC DR 2005

14343 RQ CONSTRUCTION
SENATE CALIFORNIA
VICTORVILLE CITY OF
VICTORVILLE PUBLIC DEVELOPMENT

14350 DEPRISCO, NICK
KAMPF W ROGER & ASSOC LAW OFF
WELLS, DENTON H
WESTERHOLD ADVERTISING

14360 LITTLE, DONALD W

14390 BRISTOLL B GENE

14420 MARKUM, JAMES L

14455 JUDICIARY CSEL OF THE ST CA
SAN BERNARDINO COUNTY OF

14555 GREINER PONTIAC-BUICK INC
NEIMANS COFFEE & BAGEL SHOP

14617 VICTORVILLE MOTORS INC

14673 DONCO ENTERPRISES INC

15400 ICON GENERAL CONTRACTORS

15428 MARINA MORTGAGE
MGR SERVICES

15490 FOSTER FAMILY NETWK-CHILDNET
GERRO, GERRO A
RANDEL, C L

15505 SAN BERNARDINO COUNTY OF

15525 ENTERPRISE RENT-A-CAR CO OF LA

ROY ROGERS DR 2005

15730 AM PM MINI MARKET
PSI 6341

CIVIC DR 2000

14343 VICTORVILLE CITY OF
VICTORVILLE PUBLIC DEVELOPMENT

14350 ACCURATE LEGAL SERVICES
BORDEAUX, LARRY
BORG, GARY S
CHAPMAN, DAVID
COMBS, A L
ED, MUSTAFA
ENGLAND, DOUGLAS D
HEGNER, RICHARD R
JOHNSON, BARBARA
JOHNSON, MICHAEL V
KAMPF W ROGER & ASSOC LAW OFF
MEDEIROS, DAVID
MIDDLETON, JIMMIE D
MORENO, YOLANDA
MUSTAFA ED
OEMIG, CYNTHIA
REAY, C
RIPLEY, ROBERT W
RITSCHER, ROLF D
SCHMIDT, J
SONG, MEE
WESTERHOLD ADVERTISING
WINDERWEEDLE PATSY MS MFCC
WINDERWEEDLE, PATSY
ZULETA, ALMA N

14390 BRISTOLL B GENE

14420 A C B S PARALEGAL
JACKSON BIBBY AWARENESS G
PRINCIPAL FINANCIAL GROUP
VICTORVILLE BAIL BONDS

14440 THOMPSON & THOMPSON LAW

14455 JUDICARY CRTS OF THE STATE CAL
SAN BERNARDINO COUNTY OF

15428 TELEBUSINESS WORK CENTERS

15490 ABLE 2 HELP BAIL BONDS
HANDY, SHANNON M

15505 SAN BERNARDINO ENVRNMNTL HLTH

15525 ENTERPRISE CAR SALES 32 RD

CIVIC DR 1995

- 14343 VICTORVILLE CITY OF
VICTORVILLE PUBLIC DEVELOPMENT
- 14350 CUNNINGHAM & LANSDEN
DAVID, SANDRA
FLOREZ, RONALD J
HIRSCHI CLARK & HAWKINS
MEDEIROS DONALD M INC
MUSTAFA ED
MUSTAFA, ED
TUROCI & DAVID
WESTERHOLD ADVERTISING
- 14390 BRISTOLL B GENE
FORREST, L
LINDSAY MICHAEL A
- 14420 CARABINO JOSEPH C
VICTORVILLE BAIL BONDS
WELTMANN, T
- 14440 THOMPSON & THOMPSON LAW CORP
- 14455 JUDICARY CRTS OF THE STATE CAL
SAN BERNARDINO COUNTY OF
- 15490 HIGH DESERT SMALL BUSINESS DEV
MAR AM INSURANCE AGENCY
SKORPIL, BOB
VICTOR VALLEY MORTGAGE

CIVIC DR 1992

- 14343 VICTORVILLE CITY OF
WOODRUFF, PAUL A
- 14350 DEPRISCO NICK
JOHNSON MICHAEL V
KABALIN, RONALD A
LAW OFFICE KRAFT PRULX HIGGINS
LITTLE DON W & ASSOC
MAGNUSON, RONALD R
PRIVATE EYE SURVEILANCE
SHOUP, MARYANN C
- 14420 BEST FORECLOSURES SERVICE
HARRIS JOHN J
LG LANDLORD SERVICE
- 14440 THOMPSON & THOMPSON LAW CORP
- 14455 SUPREME COURT
- 15428 CAL REGIONAL WTR QULTY CTRL BD
WATER QUALITY CONTROL BOA
- 15490 WEBSTER STROUD INC

CIVIC DR 1985

CIVIC DR 92392		
VICTORVILLE		
14335	CIVIC CENTER REALTY	245-2000 +5
14343	VICTORVILLE CITY	245-3411
	VICTORVL CTY ADMIN	245-3411
	VICTORVL CTY REC&PK	245-3411 2
14420	ACUNA EDGAR B	245-1177 3
	CONTL BUSINESS SERV	245-0291 3
	DALE STRETTON RLTY	243-2994 3
	GREAT AMERICAN	243-5910 +5
	GROVER CHRIS REALTY	245-6262 3
	K V V Q RADIO	243-4636 2
	ORCHARD REALTY	243-4663 2
	SANBDO CO ASSESSOR	245-7904 2
	STEWART RICHARD F	245-1171 4
	STRETTON DALE RLTY	243-2994 3
14440	BYNUM JERRY E ATTY	245-3450 +5
	JOHNSON MICHAEL V	245-1133 +5
	THOMPSON & THOMPSON	245-3450 +5
	THOMPSON RILEY B	245-3450 +5
	THOMPSON SHERRY A	245-3450 +5
14455.....	BUILDING	
	POLICE COUNTY	245-4211 +5
	SAN BERNARDINO	245-3781 2
	SANBDO CLRK MRGE	243-7930 3
	SANBDO CO BRD SUPVR	245-1635 3
	SANBDO CO CIVIL	245-9371 2
	SANBDO CO CLRK APLS	243-7930
	SANBDO CO CLRK CLND	243-7813 3
	SANBDO CO CLRK JDGE	243-7968 3
	SANBDO CO CLRK LAW	245-9372
	SANBDO CO CLRK MRGE	243-7930
	SANBDO CO CLRK PRBT	243-7893 3
	SANBDO CO CRIMINAL	245-7125 2
	SANBDO CO CRT CIVIL	243-4277 3
	SANBDO CO CT DA	245-3781
	SANBDO CO DIST ATTY	245-6502 3
	SANBDO CO JURY	245-9345 2
	SANBDO CO MARSHAL	245-3771 2
	SANBDO CO MRSHL	245-3771
	SANBDO CO MUNICIPAL	243-4275 2
	SANBDO CO PARKING	243-4270 2
	SANBDO CO PBLC DFND	245-3721 2
	SANBDO CO PROBATION	245-6443 2
	SANBDO CO RECGNZNCE	245-1056 2
	SANBDO CO SHRF JAIL	245-5152 3
	SANBDO CO SUPR CRT	245-9344 2
	SNBDO CO FMLY LAW	245-9372 3
	SNBDO CO FMLY PLNG	256-1089 +5
	SNBDO CO FMLY PLNG	245-3167 +5
	VICTOR VLY MUSEUM	245-1624 8
	VICTORVL CTY POLICE	245-4211 2
14455.....		
	★ 49 BUS	0 RES
		10 NEW

CIVIC DR 1980

**CIVIC DR 92392
VICTORVILLE**

14343★	CTY VCTRL ADMIN	245-3411
14455.....	BUILDING	
★	CO SBDO CLERK CRMNL	245-7125+0
★	CO SBDO CLERK CVL	245-9371 8
★	CO SBDO CT ADMIN	245-3280 8
★	CO SBDO CT CIVIL	243-4277 8
★	CO SBDO CT CRMNL	243-4275 8
★	CO SBDO CT OWN OFC	245-1056
★	CO SBDO CT TRAFFIC	243-4270 8
★	CO SBDO DIST ATTY	245-3781 8
★	CO SBDO MARSHAL	245-3771
★	CO SBDO PROBATION	245-6443
★	CO SBDO PUB DFNDR	245-3721
★	CO SBDO SHERIFF	245-4211+0
★	CO SBDO SHERIFF	245-5152+0
★	CO SBDO SUPERIOR CT	245-9344 8
★	CTY VCTRL POLICE	245-4211+0
★	VICTOR VLY MUSEUM	245-1624 8
14455.....	
★	17 BUS	0 RES 4 NEW

CIVIC DR 1975

CIVIC DR 92392 VICTORVILLE

14343*MOJAVE WATER AGENCY245-7717 4

*VICTRVL CTY ADMNSTR245-3411 3

* 2 BUS 0 RES 0 NEW

Proposed Automotive Dealership

Civic Drive / Roy Rogers Drive

Victorville, CA 92394

Inquiry Number: 5277637.4

May 01, 2018

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

05/01/18

Site Name:

Proposed Automotive Dealersh
Civic Drive / Roy Rogers Drive
Victorville, CA 92394
EDR Inquiry # 5277637.4

Client Name:

Kleinfelder, Inc.
2 Ada, Suite 250
Irvine, CA 92618-0000
Contact: Margaret Carroll



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Kleinfelder, 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. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

Coordinates:

P.O.#	NA	Latitude:	34.519599 34° 31' 11" North
Project:	20183689.001A	Longitude:	-117.322235 -117° 19' 20" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	470424.65
		UTM Y Meters:	3819817.66
		Elevation:	2943.42' above sea level

Maps Provided:

2012
1993
1980, 1981
1968
1956
1934
1932

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Hesperia
2012
7.5-minute, 24000



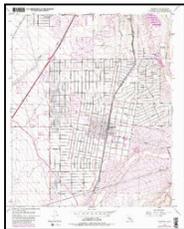
Victorville
2012
7.5-minute, 24000

1993 Source Sheets



Victorville
1993
7.5-minute, 24000
Aerial Photo Revised 1989

1980, 1981 Source Sheets



Hesperia
1980
7.5-minute, 24000
Aerial Photo Revised 1978



Victorville
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1968 Source Sheets



Hesperia
1968
7.5-minute, 24000
Aerial Photo Revised 1968



Victorville
1968
7.5-minute, 24000
Aerial Photo Revised 1968

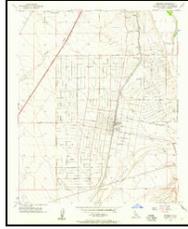
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1956 Source Sheets



Victorville
1956
7.5-minute, 24000
Aerial Photo Revised 1952



Hesperia
1956
7.5-minute, 24000
Aerial Photo Revised 1952

1934 Source Sheets

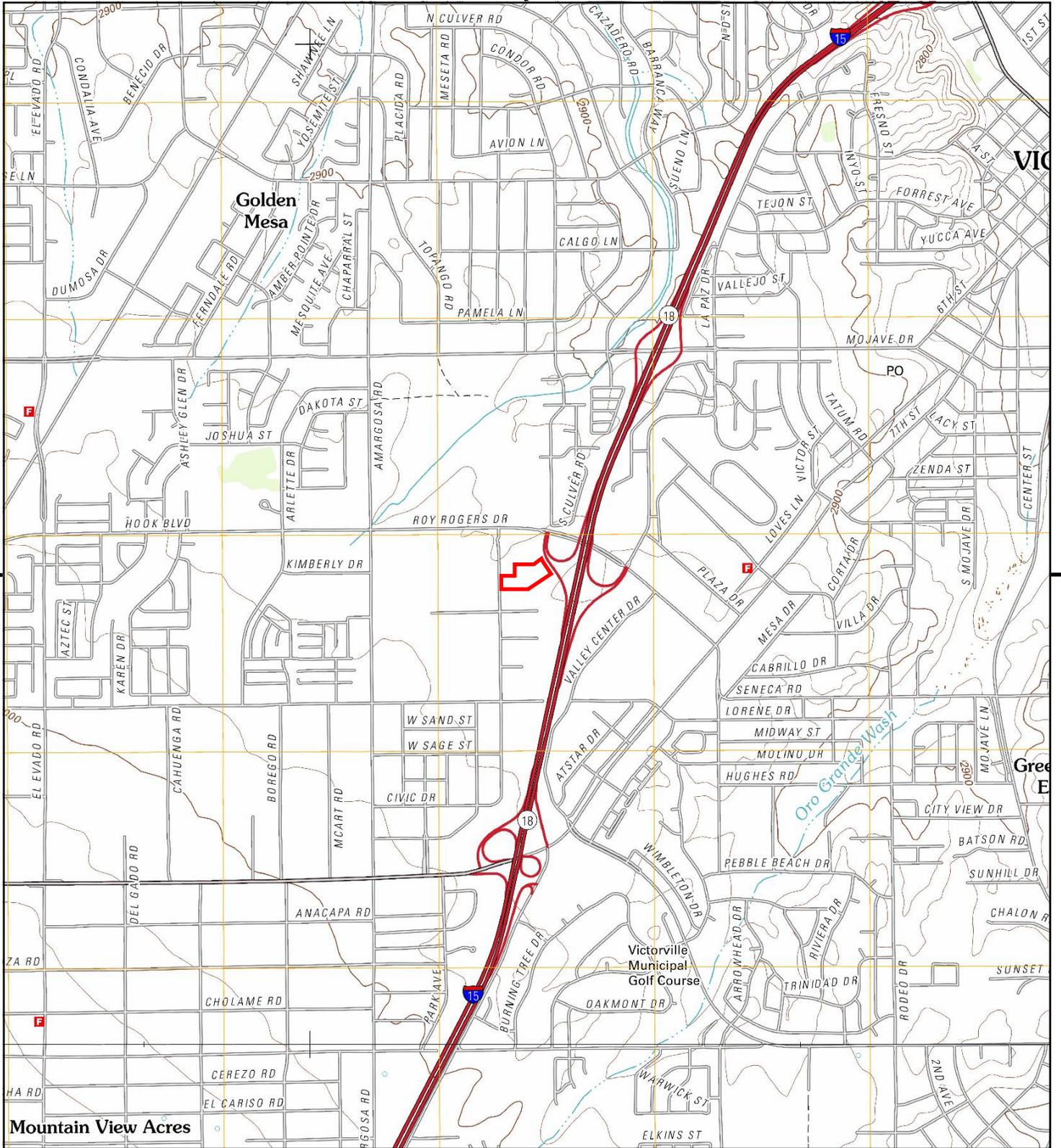


Barstow
1934
30-minute, 125000

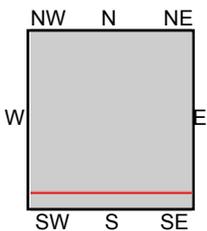
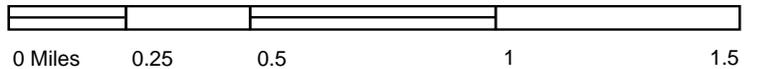
1932 Source Sheets



Barstow
1932
30-minute, 125000



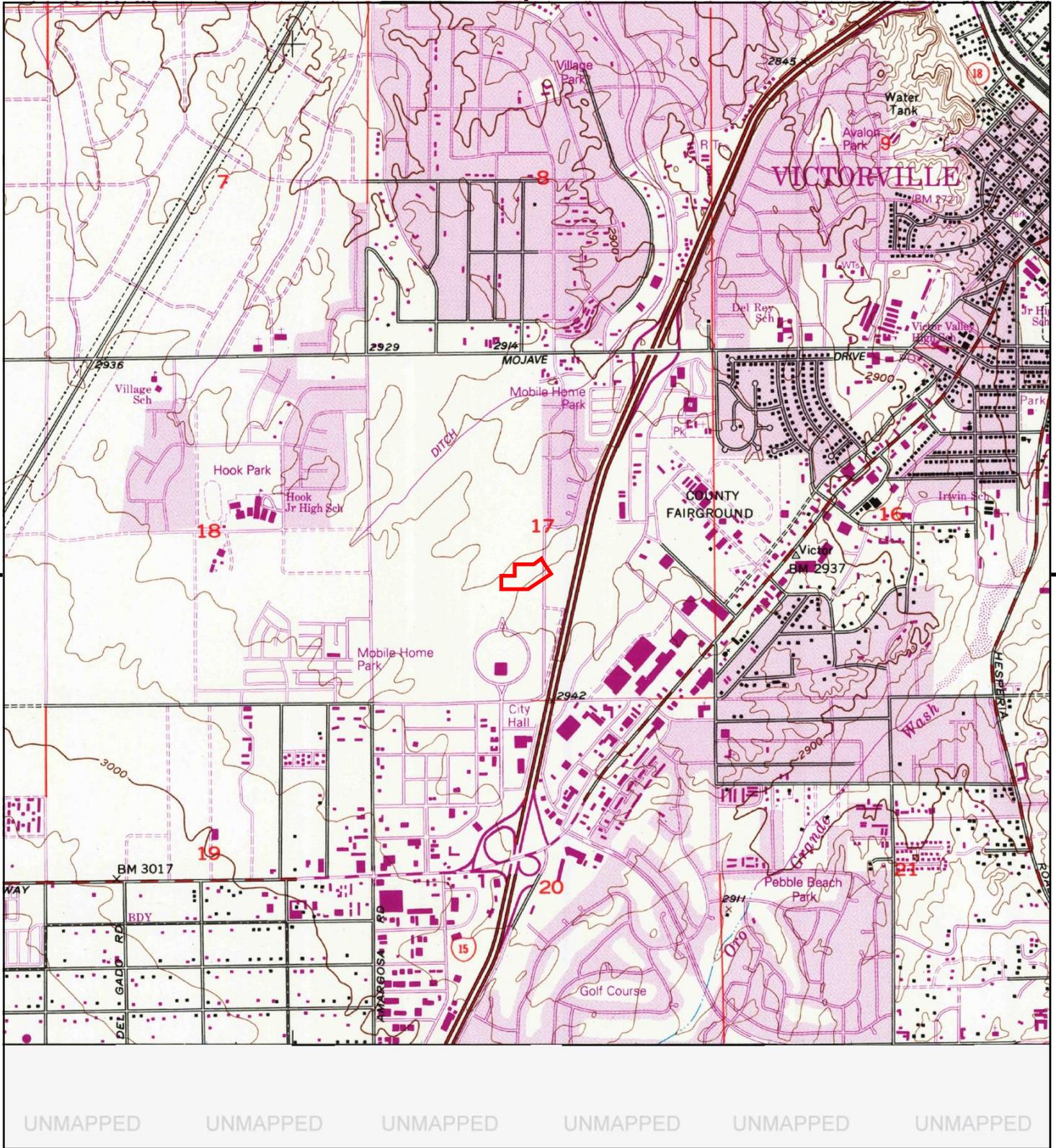
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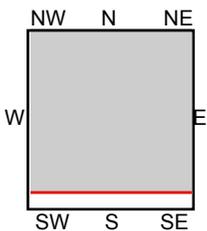
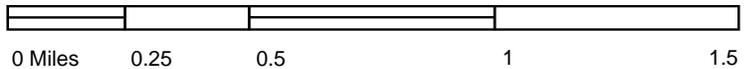
TP, Victorville, 2012, 7.5-minute
S, Hesperia, 2012, 7.5-minute

SITE NAME: Proposed Automotive Dealership
ADDRESS: Civic Drive / Roy Rogers Drive
Victorville, CA 92394
CLIENT: Kleinfelder, Inc.





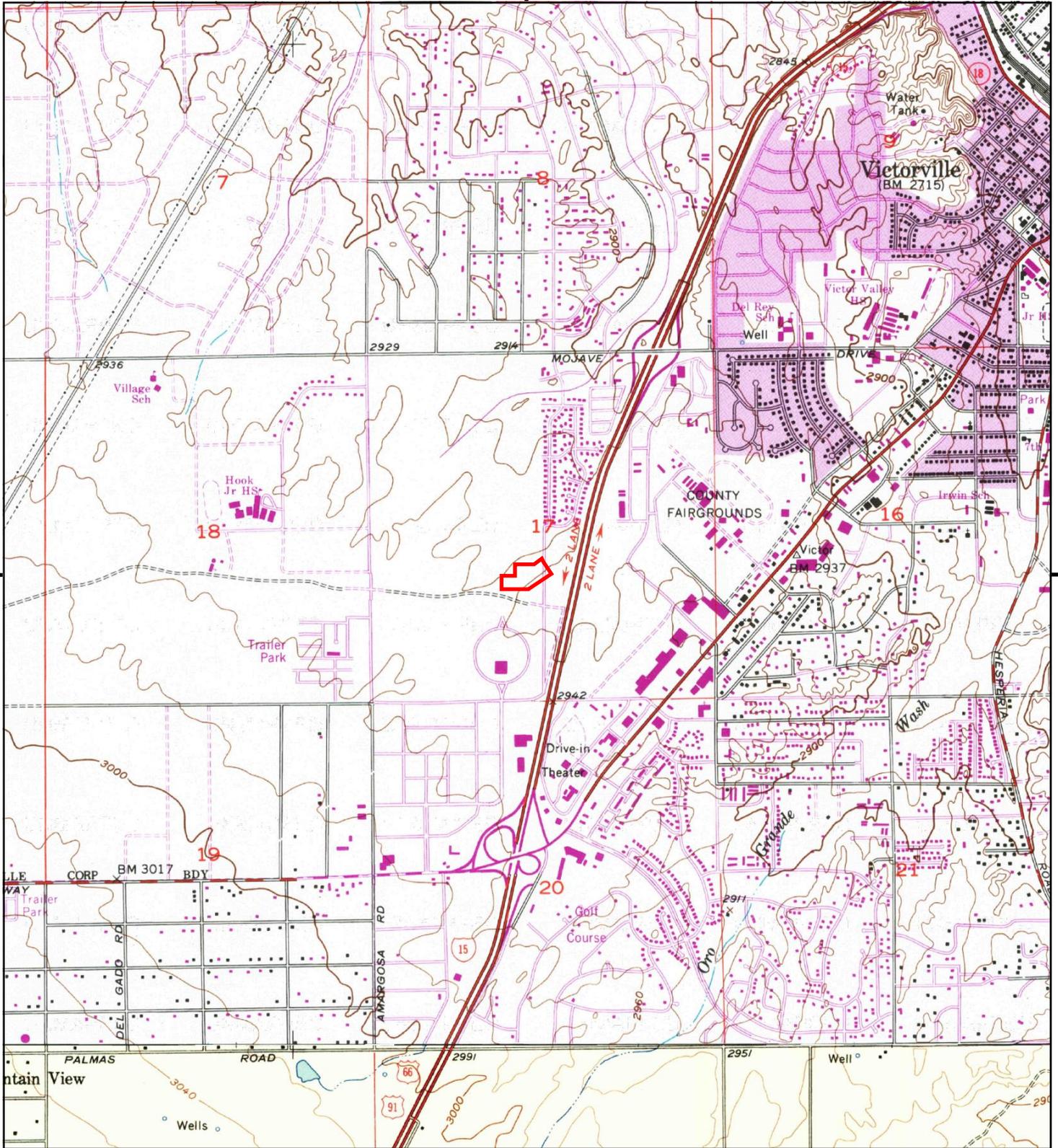
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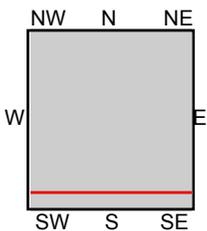
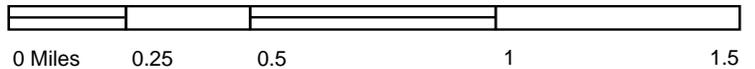
TP, Victorville, 1993, 7.5-minute

SITE NAME: Proposed Automotive Dealership
ADDRESS: Civic Drive / Roy Rogers Drive
 Victorville, CA 92394
CLIENT: Kleinfelder, Inc.





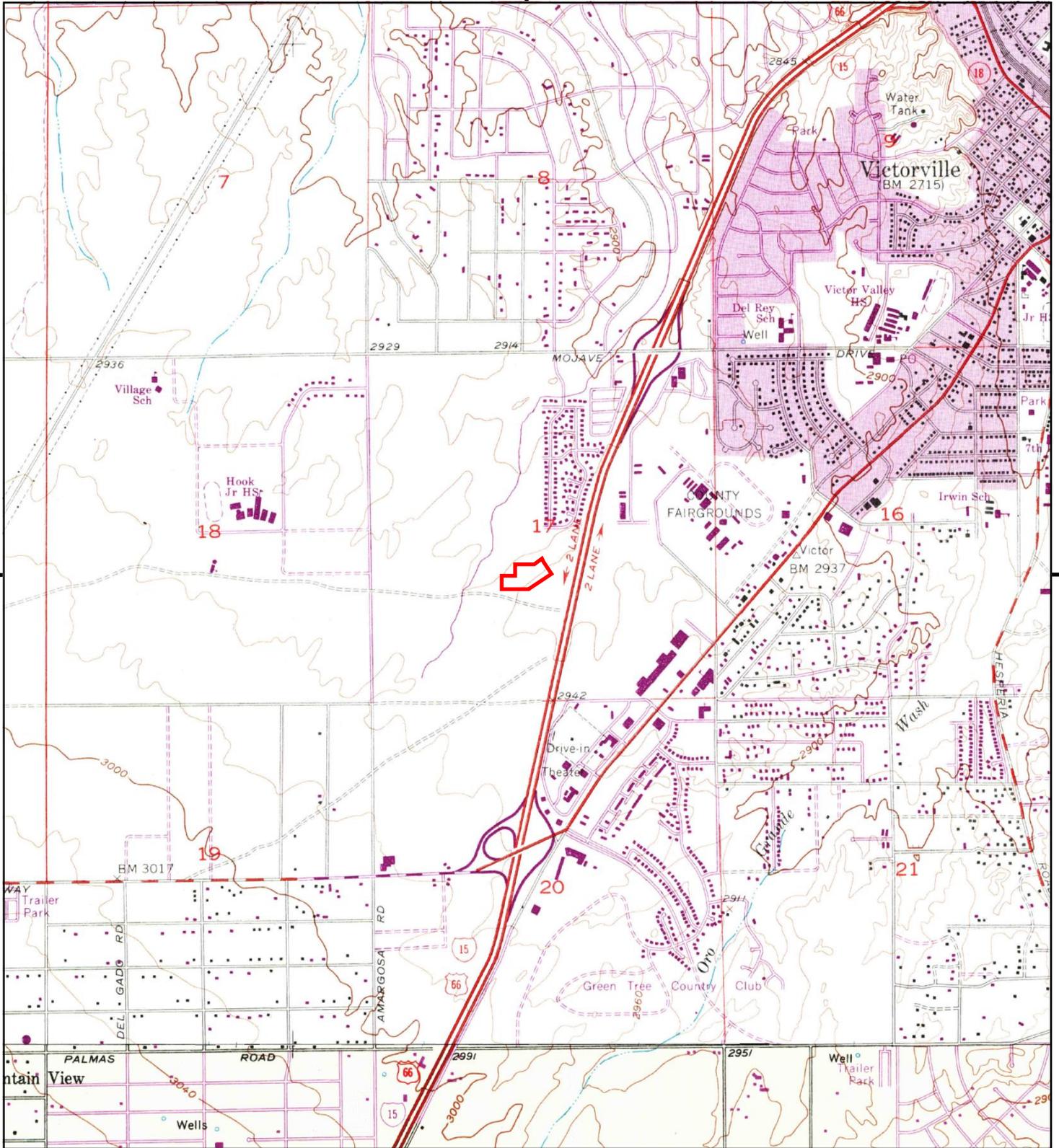
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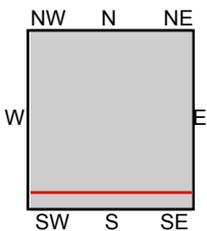
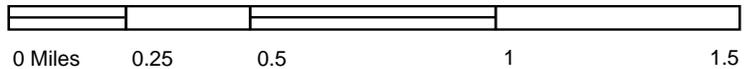
TP, Victorville, 1981, 7.5-minute
S, Hesperia, 1980, 7.5-minute

SITE NAME: Proposed Automotive Dealership
ADDRESS: Civic Drive / Roy Rogers Drive
Victorville, CA 92394
CLIENT: Kleinfelder, Inc.





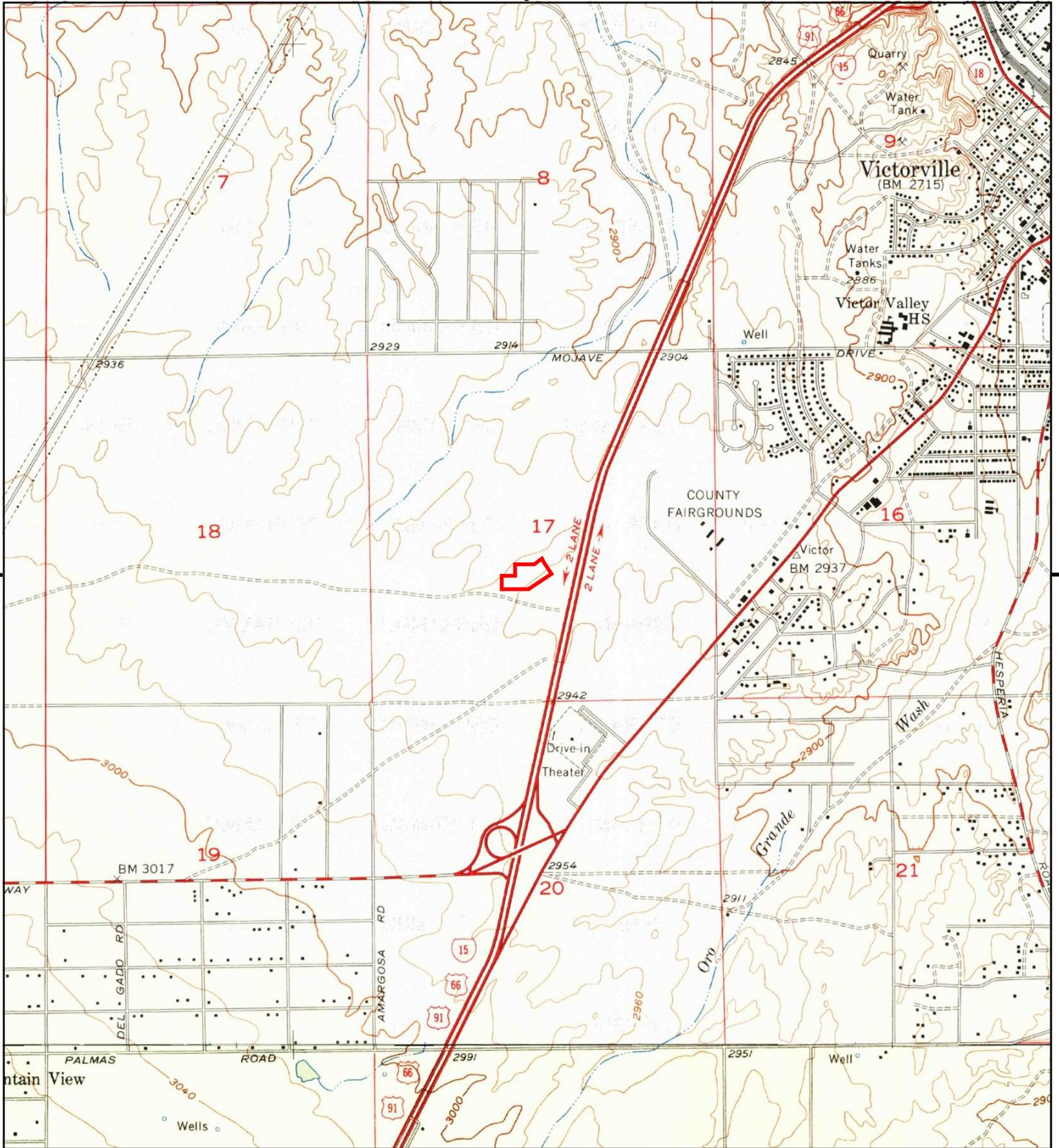
This report includes information from the following map sheet(s).



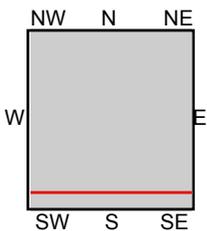
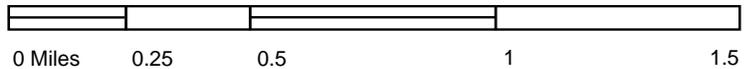
TP, Victorville, 1968, 7.5-minute
S, Hesperia, 1968, 7.5-minute

SITE NAME: Proposed Automotive Dealership
ADDRESS: Civic Drive / Roy Rogers Drive
Victorville, CA 92394
CLIENT: Kleinfelder, Inc.





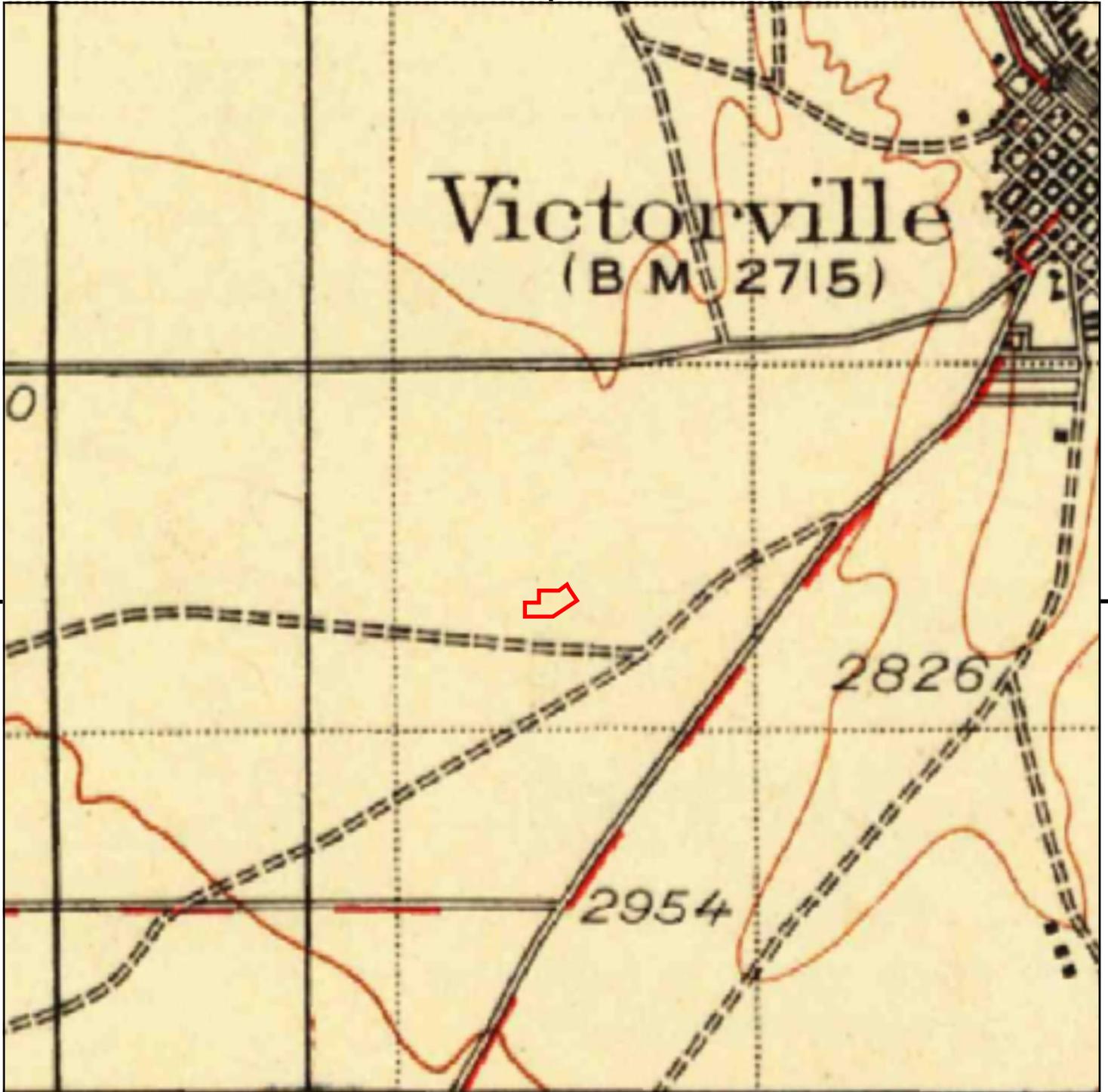
This report includes information from the following map sheet(s).



TP, Victorville, 1956, 7.5-minute
S, Hesperia, 1956, 7.5-minute

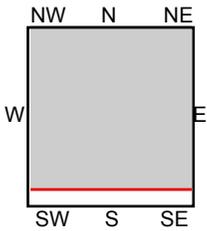
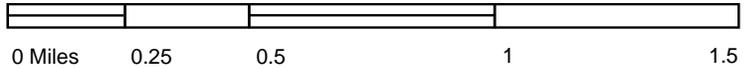
SITE NAME: Proposed Automotive Dealership
ADDRESS: Civic Drive / Roy Rogers Drive
Victorville, CA 92394
CLIENT: Kleinfelder, Inc.





UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED

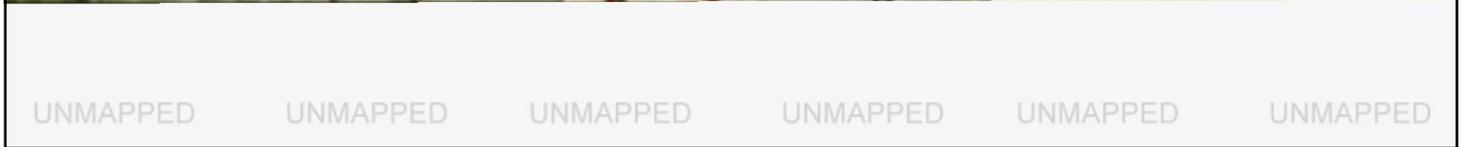
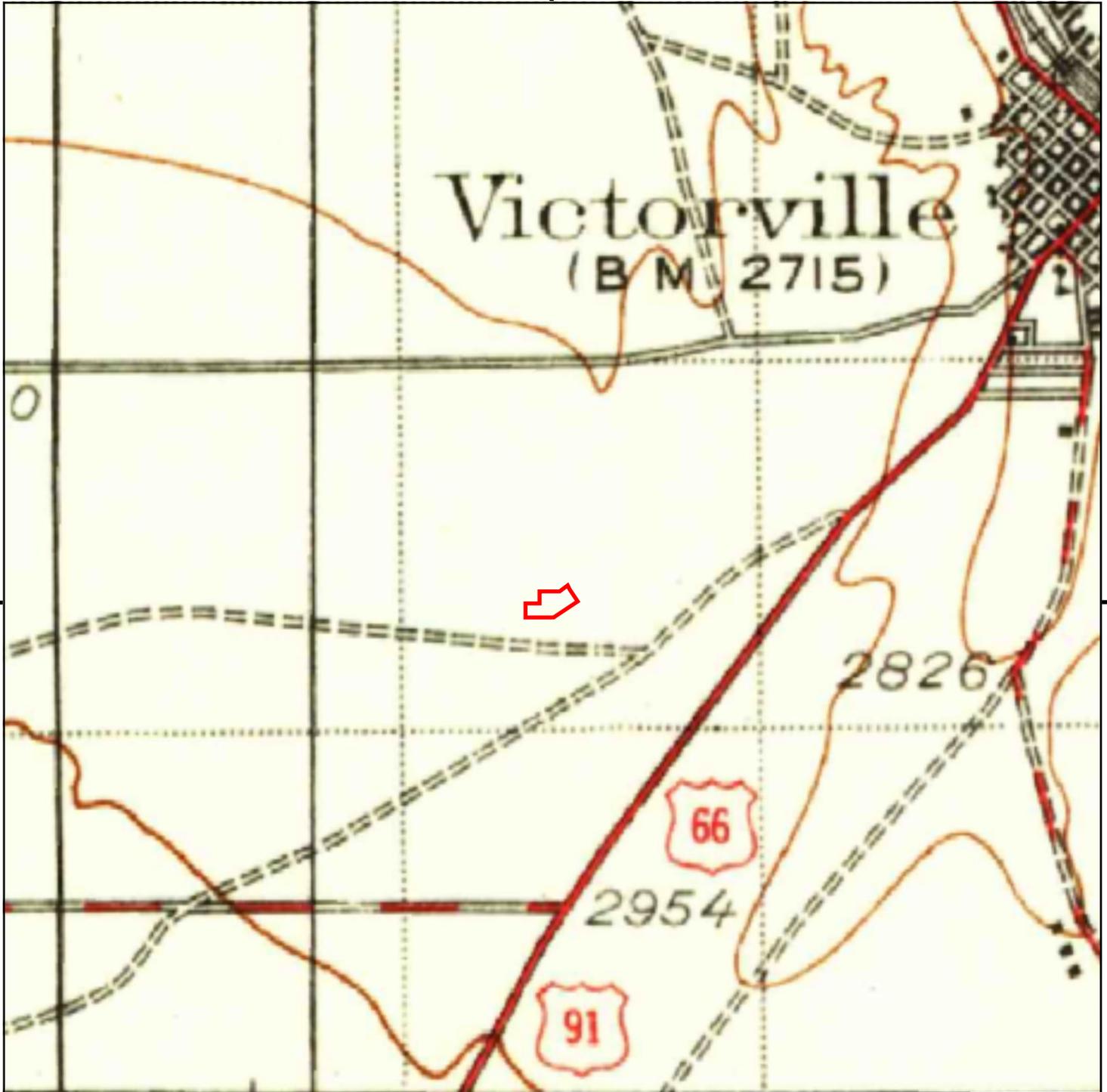
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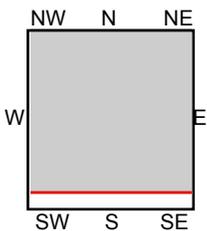
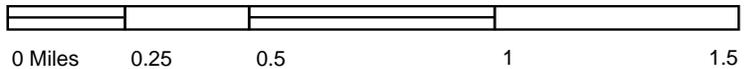
TP, Barstow, 1934, 30-minute

SITE NAME: Proposed Automotive Dealership
ADDRESS: Civic Drive / Roy Rogers Drive
Victorville, CA 92394
CLIENT: Kleinfelder, Inc.





This report includes information from the following map sheet(s).



TP, Barstow, 1932, 30-minute

SITE NAME: Proposed Automotive Dealership
 ADDRESS: Civic Drive / Roy Rogers Drive
 Victorville, CA 92394
 CLIENT: Kleinfelder, Inc.



Proposed Automotive Dealership

Civic Drive / Roy Rogers Drive
Victorville, CA 92394

Inquiry Number: 5277637.8
May 01, 2018

EDR Building Permit Report

Target Property and Adjoining Properties

TABLE OF CONTENTS

SECTION

About This Report

Executive Summary

Findings

Glossary

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquiries (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Kleinfelder, Inc. on May 01, 2018.

TARGET PROPERTY

Civic Drive / Roy Rogers Drive
Victorville, CA 92394

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Victorville

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>
2018	City of Victorville, Development Office		
2017	City of Victorville, Development Office		X
2016	City of Victorville, Development Office		X
2015	City of Victorville, Development Office		
2014	City of Victorville, Development Office		X
2013	City of Victorville, Development Office		
2012	City of Victorville, Development Office		
2011	City of Victorville, Development Office		X
2010	City of Victorville, Development Office		
2009	City of Victorville, Development Office		X
2008	City of Victorville, Development Office		X
2007	City of Victorville, Development Office		X
2006	City of Victorville, Development Office		X
2005	City of Victorville, Development Office		X
2004	City of Victorville, Development Office		X
2003	City of Victorville, Development Office		X
2002	City of Victorville, Development Office		X
2001	City of Victorville, Development Office		

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Victorville
Years: 2001-2018
Source: City of Victorville, Development Office, VICTORVILLE, CA
Phone: (760) 955-5102

Name: San Bernardino County
Years: 2002-2018
Source: San Bernardino County, Land Use, Building & Safety, FONTANA, CA
Phone: (909) 387-8311

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

Civic Drive / Roy Rogers Drive
Victorville, CA 92394

No Permits Found

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

CIVIC DR

15270 CIVIC DR

Date: **1/8/2009**
Permit Type:
Description: **RETAINING WALL AT CIVIC AND ROY ROGERS ON ENG08-00011 HALL & FOREMAN 14297 CAJON ST , VICTORVILLE CA 92392 Phone 909-919-7800**

Permit Description:
Work Class: Commercial Alt/Add Fences/Retaining Walls
Proposed Use:
Permit Number: MIS08-01048
Status:
Valuation: \$5.00
Contractor Company:
Contractor Name:

Date: **1/8/2009**
Permit Type:
Description: **GRADING FOR ENG08-00011**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT09-00022
Status:
Valuation: \$18,270.00
Contractor Company:
Contractor Name: CIVIC ROGERS LLC

ADJOINING PROPERTY FINDINGS

15274 CIVIC DR

Date: **6/15/2009**
Permit Type:
Description: **TEMP POWER POLE**

Permit Description:
Work Class: Repair
Proposed Use:
Permit Number: MIS09-00456
Status:
Valuation: \$0.00
Contractor Company:
Contractor Name: POWER PLUS TEMP UTILITY SERVIC

15278 CIVIC DR

Date: **3/21/2016**
Permit Type:
Description: **TEMP POWER POLE FOR KRISPY KREME INCLUDING 8X10 TEMP CONSTRUCTION TRAILER**

Permit Description:
Work Class: REPAIR
Proposed Use:
Permit Number: PMT16-00442
Status: PERMIT ISSUED
Valuation: \$1,000.00
Contractor Company:
Contractor Name: CHARLES E THOMAS COMPANY INC

ADJOINING PROPERTY FINDINGS

15280 CIVIC DR

Date: **3/21/2016**
Permit Type:
Description: **GRADING (REF PMT15-02008)**

Permit Description:
Work Class:
Proposed Use:
Permit Number: PMT16-00261
Status:
Valuation: \$220.00
Contractor Company:
Contractor Name: CHARLES E THOMAS COMPANY INC

Date: **3/21/2016**
Permit Type:
Description: **KRISPY KREME RESTAURANT - NEW CONSTRUCTION (REF: ENG15-00453)**

Permit Description:
Work Class:
Proposed Use:
Permit Number: PMT15-02008
Status:
Valuation: \$398,574.00
Contractor Company:
Contractor Name: CHARLES E THOMAS COMPANY INC

Date: **3/21/2016**
Permit Type:
Description: **TRASH ENCLOSURE (REF PMT15-02008)**

Permit Description:
Work Class:
Proposed Use:
Permit Number: PMT16-00262
Status:
Valuation: \$0.00
Contractor Company:
Contractor Name: CHARLES E THOMAS COMPANY INC

ADJOINING PROPERTY FINDINGS

Date: **3/21/2016**
Permit Type:
Description: **SITE UTILITY (PMT15-02008)**

Permit Description:
Work Class:
Proposed Use:
Permit Number: PMT16-00263
Status:
Valuation: \$45,000.00
Contractor Company:
Contractor Name: CHARLES E THOMAS COMPANY INC

15290 CIVIC DR

Date: **6/1/2009**
Permit Type:
Description: **IN-N-OUT - NEW COMMERCIAL IN-N-OUT**

Permit Description:
Work Class: New Stores & Restaurants
Proposed Use:
Permit Number: PMT09-00109
Status:
Valuation: \$346,066.00
Contractor Company:
Contractor Name: PAUL E KOSHMIDER

ADJOINING PROPERTY FINDINGS

MIDTOWN DR

15502 MIDTOWN DR

Date: 11/26/2002
Permit Type:
Description: **CONST TRAILER AND TEMP POWER POLES**

Permit Description:
Work Class: New Other Shelter
Proposed Use:
Permit Number: MIS02-00985
Status:
Valuation: \$2,500.00
Contractor Company:
Contractor Name: SOUTHERN CALIFORNIA HOUSING DEV COR

ROY ROGERS DR

15657 ROY ROGERS DR

Date: 9/6/2005
Permit Type:
Description: **TEMP POWER POLE AND 1 SUB POLE**

Permit Description:
Work Class: Repair
Proposed Use:
Permit Number: MIS05-01204
Status:
Valuation: \$0.00
Contractor Company:
Contractor Name: POWER PLUS TEMP UTILITY SERVIC

ADJOINING PROPERTY FINDINGS

15667 ROY ROGERS DR

Date: **12/23/2008**
Permit Type:
Description: **SUPERCUTS - TI-SUPERCUTS**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT08-00960
Status:
Valuation: \$12,813.00
Contractor Company:
Contractor Name: RAY AKERS

Date: **6/4/2008**
Permit Type:
Description: **ELEC. METER RESET**

Permit Description:
Work Class: Repair
Proposed Use:
Permit Number: MIS08-00474
Status:
Valuation: \$0.00
Contractor Company:
Contractor Name: CIVIC ROGERS LLC

Date: **11/14/2007**
Permit Type:
Description: **CITIFINANCIAL - TI/CITIFINANCIAL**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT07-01631
Status:
Valuation: \$18,288.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **3/6/2006**
Permit Type:
Description: **PALOMINO PLAZA - NEW CONSTRUCTION-PALIMINO PLAZA (SHOP 8) (D)**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT05-01177
Status:
Valuation: \$558,180.00
Contractor Company:
Contractor Name: NADEL ARCHITECTS INC.

15669 ROY ROGERS DR

Date: **1/18/2008**
Permit Type:
Description: **AMERICAN TIRE COMPANY - TI/RACKING SYSTEM FOR AMERICAN TIRE COMPANY (REF:PMT07-01324)**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT07-02643
Status:
Valuation: \$10,000.00
Contractor Company:
Contractor Name: STEVE APPEL

ADJOINING PROPERTY FINDINGS

Date: **9/26/2007**
Permit Type:
Description: **AMERICAN TIRE COMPANY - NEW COMMERCIAL-AMERICAN TIRE COMPANY**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT07-01324
Status:
Valuation: \$572,587.00
Contractor Company:
Contractor Name: WILLIAM AMOR

15683 ROY ROGERS DR

Date: **1/5/2016**
Permit Type:
Description: **33 CORNER YOGURT - COMMERCIAL T.I. - INTERIOR WORK TO PREPARE FOR RESTAURANT**

Permit Description:
Work Class:
Proposed Use:
Permit Number: PMT15-01227
Status:
Valuation: \$29,240.00
Contractor Company:
Contractor Name: SPIKE CONSTRUCTION, INC.

ADJOINING PROPERTY FINDINGS

Date: **11/26/2014**
Permit Type:
Description: **WABA GRILL COMMERCIAL T.I. TO PREPARE FOR RESTAURANT - 1990 SQ FT**

Permit Description: **MISCELLANEOUS**
Work Class:
Proposed Use:
Permit Number: PMT14-01551
Status:
Valuation: \$51,963.00
Contractor Company:
Contractor Name: J & A ENTERPRISE

Date: **6/16/2009**
Permit Type:
Description: **PAPA JOHNS - TI-PAPA JOHNS**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT09-00349
Status:
Valuation: \$4,674.00
Contractor Company:
Contractor Name: ICE ENERGY INC.

Date: **10/12/2007**
Permit Type:
Description: **SUSIARU - TI/SUSIARU (SUITE 306-307)**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT07-01477
Status:
Valuation: \$37,548.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **9/6/2007**
Permit Type:
Description: **DEMO OF WALLS IN SUITE 306 AND 307 "ONLY"**

Permit Description:
Work Class: Demo Commercial
Proposed Use:
Permit Number: PMT07-02096
Status:
Valuation: \$0.00
Contractor Company:
Contractor Name: SIMON HO

Date: **5/10/2007**
Permit Type:
Description: **UPS - TI/UPS**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT06-05141
Status:
Valuation: \$28,900.00
Contractor Company:
Contractor Name: U P S

Date: **1/22/2007**
Permit Type:
Description: **ELECTRIC METER RESET**

Permit Description:
Work Class: Repair
Proposed Use:
Permit Number: MIS07-00114
Status:
Valuation: \$0.00
Contractor Company:
Contractor Name: R L ELDER CONSTRUCTION CO

ADJOINING PROPERTY FINDINGS

Date: **12/22/2006**
Permit Type:
Description: **GOLDEN CHOPSTIX - TI-GOLDEN CHOPSTIX**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT06-04862
Status:
Valuation: \$17,250.00
Contractor Company:
Contractor Name: KHEANG IV

Date: **12/7/2006**
Permit Type:
Description: **RETAINING WALLS**

Permit Description:
Work Class: Fences/Retaining Walls
Proposed Use:
Permit Number: MIS06-01901
Status:
Valuation: \$0.00
Contractor Company:
Contractor Name: WORLD PREMIER INVESTMENTS

Date: **9/21/2006**
Permit Type:
Description: **L&L HAWAIIAN BARBECUE - T.I./L&L HAWAIIAN BARBECUE**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT05-03947
Status:
Valuation: \$27,360.00
Contractor Company:
Contractor Name: ABIGALE WEI

ADJOINING PROPERTY FINDINGS

Date: **9/21/2006**
Permit Type:
Description: **DESERT SKY PLAZA - TI/DESERT SKY PLAZA-DENTAL OFFICE**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT06-00839
Status:
Valuation: \$317,520.00
Contractor Company:
Contractor Name: DENNIS BOROSS

Date: **6/8/2006**
Permit Type:
Description: **PROFESSIONAL SALON - SUITE E-104 - T.I./PROFESSIONAIL SALON - INTERIOR WALL ADDITION**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT06-01857
Status:
Valuation: \$15,000.00
Contractor Company:
Contractor Name: HUNG NGUYEN

Date: **3/9/2006**
Permit Type:
Description: **PAPA JOHNS PIZZA - TI/PAPA JOHNS - UNIT 9B**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT05-02520
Status:
Valuation: \$15,375.00
Contractor Company:
Contractor Name: JEANIE REYNOLDS

ADJOINING PROPERTY FINDINGS

Date: **3/6/2006**
Permit Type:
Description: **PALOMINO PLAZA - NEW CONSTRUCTION-PALOMINO PLAZA (SHOP 10)**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT05-01175
Status:
Valuation: \$433,440.00
Contractor Company:
Contractor Name: NADEL ARCHITECTS INC

Date: **3/6/2006**
Permit Type:
Description: **PALOMINO PLAZA - NEW CONSTRUCTION-PALOMINO PLAZA (SHOP 9)**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT05-01179
Status:
Valuation: \$458,640.00
Contractor Company:
Contractor Name: NADEL ARCHITECTS INC

Date:
Permit Type:
Description: **DICKEY'S BARBECUE PIT - COMMERCIAL T.I. - INTERIOR WORK TO PREPARE FOR RESTAURANT**

Permit Description:
Work Class:
Proposed Use:
Permit Number: PMT14-01827
Status:
Valuation: \$60,371.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

15685 ROY ROGERS DR

Date: **8/15/2007**
Permit Type:
Description: **TEMP CONSTRUCTION TRAILER**

Permit Description:
Work Class: New Other Residential Buildings
Proposed Use:
Permit Number: PMT07-02056
Status:
Valuation: \$5,000.00
Contractor Company:
Contractor Name: B & B CONTRACTOR INC.

Date: **8/15/2007**
Permit Type:
Description: **TEMP POWER POLE**

Permit Description:
Work Class: Repair
Proposed Use:
Permit Number: MIS07-01130
Status:
Valuation: \$0.00
Contractor Company:
Contractor Name: B & B CONTRACTOR INC.

ADJOINING PROPERTY FINDINGS

15730 ROY ROGERS DR

Date: **8/3/2017**
Permit Type:
Description: **MODIFICATIONS TO EXISTING FUEL DISPENSERY**

Permit Description:
Work Class:
Proposed Use:
Permit Number: **PMT17-01310**
Status:
Valuation: **\$25,000.00**
Contractor Company:
Contractor Name: **DIMAGGIO MAINTENANCE CONSTRUCTION**

Date: **2/28/2011**
Permit Type:
Description: **ARCO - NEW CAR WASH**

Permit Description:
Work Class: **Commercial Alt/Add**
Proposed Use:
Permit Number: **PMT09-01021**
Status:
Valuation: **\$103,887.00**
Contractor Company:
Contractor Name: **VICTOR CRUZ**

ADJOINING PROPERTY FINDINGS

Date: **9/25/2008**
Permit Type:
Description: **ARCO - CLEAN AIR SEPERATOR FIEDLERGROUP 2322 WEST THIRD STREET ,
LOS ANGELES CA 90057-1906 Phone 909-472-1954 818.370.2765 FAX 213-381-1517
951.684.6272**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT08-00466
Status:
Valuation: \$12,000.00
Contractor Company:
Contractor Name:

Date: **8/6/2004**
Permit Type:
Description: **ARCO - TI/ARCO**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT04-02927
Status:
Valuation: \$34,713.00
Contractor Company:
Contractor Name:

Date: **9/30/2003**
Permit Type:
Description: **ARCO - TI/ ADA COMPLIANCE FOR PARKING LOT**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT03-02499
Status:
Valuation: \$3,000.00
Contractor Company:
Contractor Name: CIRKS CONSTRUCTION INC

ADJOINING PROPERTY FINDINGS

Date: **3/7/2003**
Permit Type:
Description: **ARCO AM/PM - SODA/ICE MACHINE REPLACEMENT**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: PMT03-00438
Status:
Valuation: \$2,500.00
Contractor Company:
Contractor Name: FRED FIEDLER & ASSOCIATES

Date: **9/12/2002**
Permit Type:
Description: **underground conduit for overflow monitor**

Permit Description:
Work Class: Commercial Alt/Add
Proposed Use:
Permit Number: MIS02-00779
Status:
Valuation: \$0.00
Contractor Company:
Contractor Name: ISLAND PETROLEUM BUILDING INC

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeyman:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use(s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000

Permit Type: Bldg -

New Permit Number: 101000000405

Status: Valuation: \$1,000,000.00

Contractor Company: OWNER-BUILDER

Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

Proposed Automotive Dealership

Civic Drive / Roy Rogers Drive
Victorville, CA 92394

Inquiry Number: 5277637.2s

May 3, 2018

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

TABLE OF CONTENTS

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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	0
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	1	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records	1.0	0	1	0
Exclusive Recovered Govt. Archives	property	0	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	1	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

PROPOSED AUTOMOTIVE DEALERSHIP
CIVIC DRIVE / ROY ROGERS DRIVE
VICTORVILLE, CA 92394

COORDINATES

Latitude (North):	34.519599 - 34° 31' 10.559692"
Longitude (West):	117.322235 - 117° 19' 20.046387"
Elevation:	2944 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>
VICTORVILLE COUNTY COURT LUST: LUST HIST CORTESE: HIST CORTESE	14855 CIVIC	<1/10 WSW	▲ 1	8

ADDITIONAL ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
VICTORVILLE COUNTY COURT LUST: LUST HIST CORTESE: HIST CORTESE	14855 CIVIC	<1/10 WSW	▲ 1	8

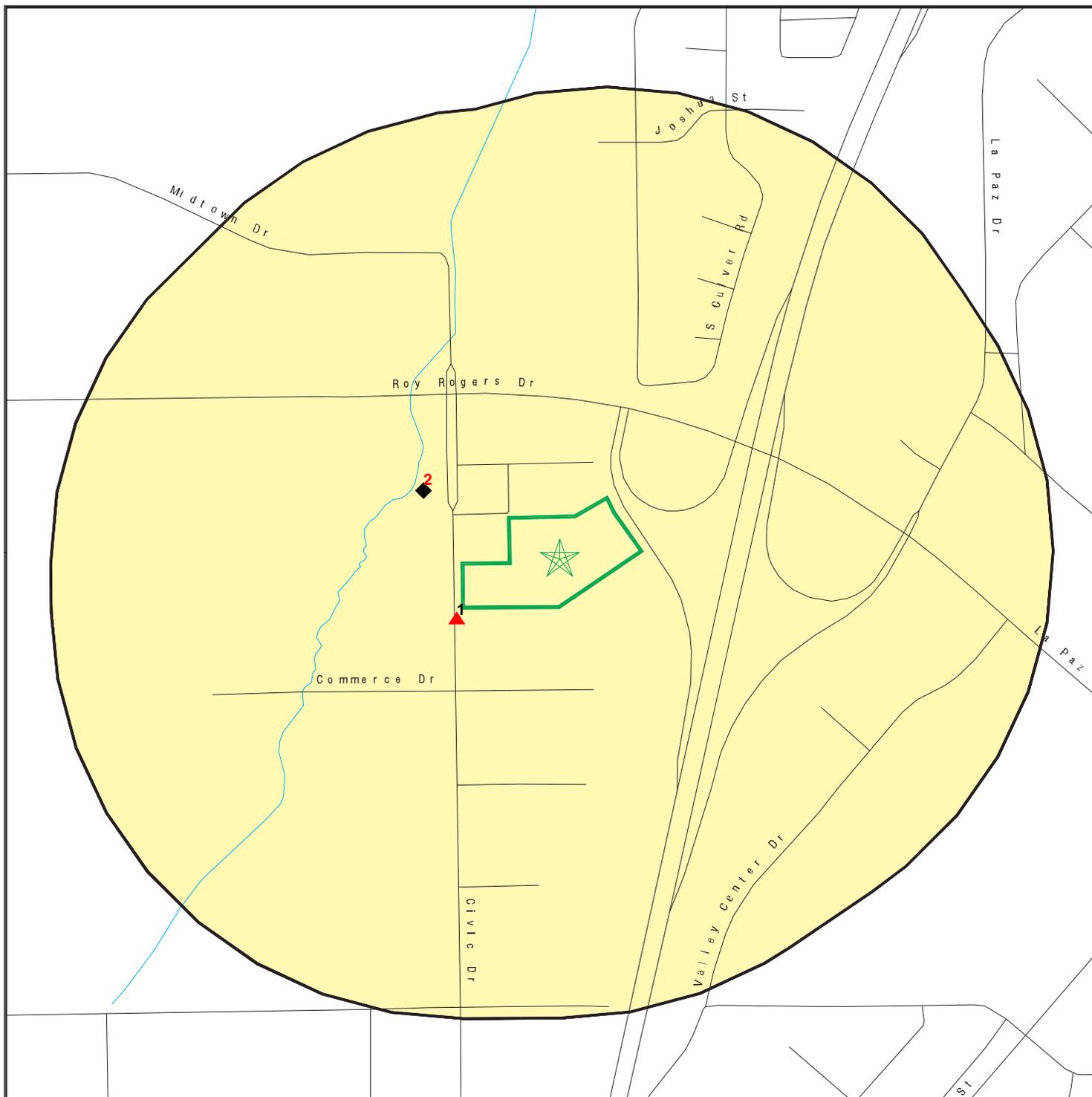
EDR HIGH RISK HISTORICAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
MOBIL CHOICE INC EDR Hist Auto: EDR Hist Auto	15669 ROY ROGERS DR	<1/10 WNW	◆ 2	10

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 - 5277637.2S



-  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

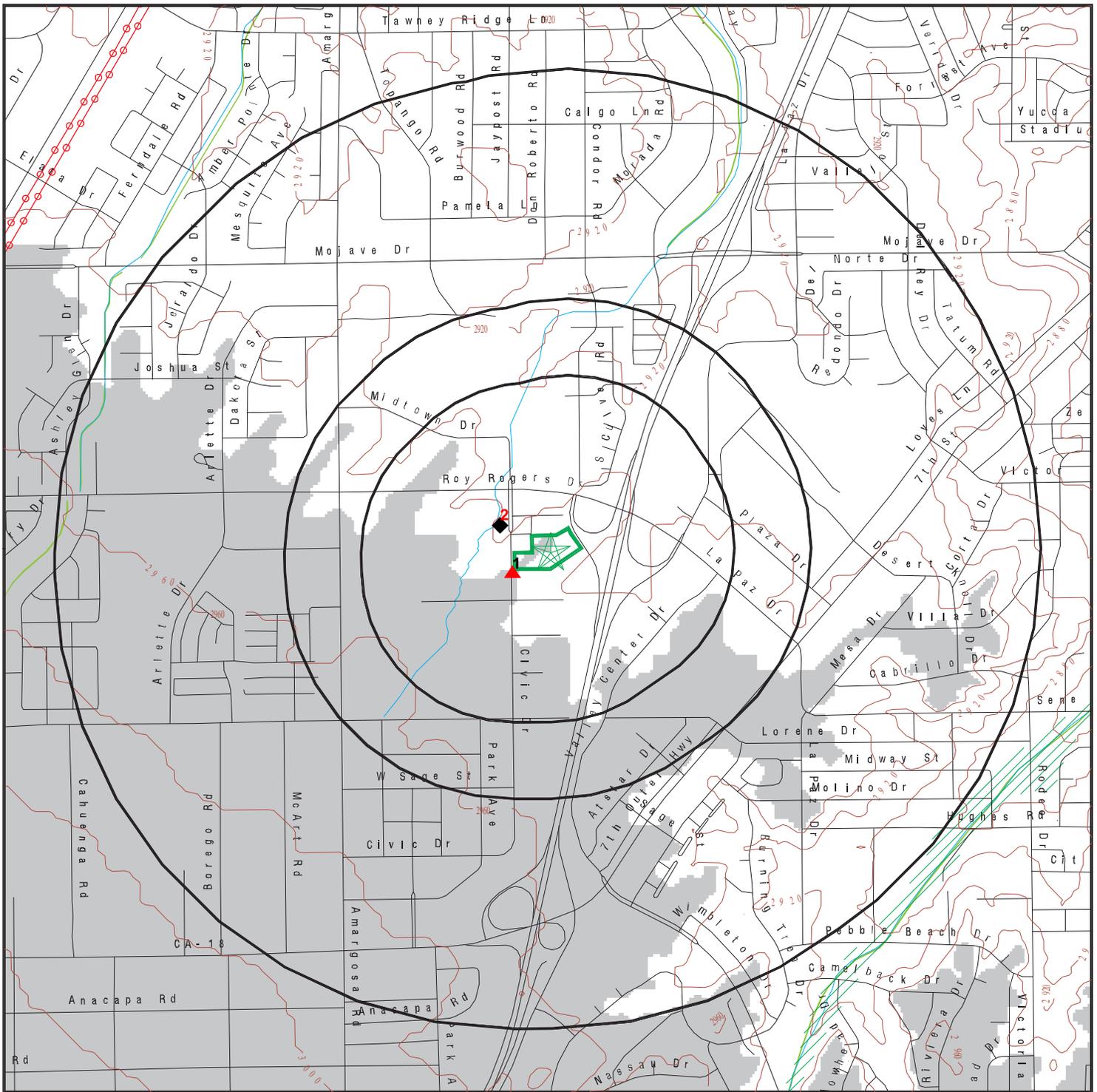
-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone
-  Areas of Concern

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: Proposed Automotive Dealership
 ADDRESS: Civic Drive / Roy Rogers Drive
 Victorville CA 92394
 LAT/LONG: 34.519599 / 117.322235

CLIENT: Kleinfelder, Inc.
 CONTACT: Margaret Carroll
 INQUIRY #: 5277637.2s
 DATE: May 01, 2018 12:32 pm

SECONDARY MAP - 5277637.2S



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

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

Areas of Concern

0 1/3 1/2 1 Miles



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: Proposed Automotive Dealership
 ADDRESS: Civic Drive / Roy Rogers Drive
 Victorville CA 92394
 LAT/LONG: 34.519599 / 117.322235

CLIENT: Kleinfelder, Inc.
 CONTACT: Margaret Carroll
 INQUIRY #: 5277637.2s
 DATE: May 01, 2018 12:31 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).

VICTORVILLE COUNTY COURT 14855 CIVIC, VICTORVILLE, CA, 95392		S103817842
▲ 1	WSW <1/10 (61 ft. / 0.012 mi.)	State and tribal leaking storage tank lists Other Ascertainable Records
	1 ft. Higher Elevation 2945 ft. Above Sea Level	

Worksheet:

LUST: State and tribal leaking storage tank lists

Lead Agency: VICTORVILLE, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100934
Global Id: T0607100934
Latitude: 34.5188513
Longitude: -117.3237006
Status: Completed - Case Closed
Status Date: 09/22/2000
Case Worker: UNK
RB Case Number: 6B3600927T
Local Agency: VICTORVILLE, CITY OF
File Location: Not Reported
Local Case Number: Not Reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not Reported

LUST:

Global Id: T0607100934
Contact Type: Regional Board Caseworker
Contact Name: OMAR PACHECO
Organization Name: LAHONTAN RWQCB (REGION 6V)
Address: 15095 Armagosa Road, Building 2, Suite 210
City: VICTORVILLE

MAP FINDINGS

VICTORVILLE COUNTY COURT, 14855 CIVIC, VICTORVILLE, CA 95392 (Continued)

Email: omar.pacheco@waterboards.ca.gov
Phone Number: 7602417377
Global Id: T0607100934
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: VICTORVILLE, CITY OF
Address: Not Reported
City: r6v UNKNOWN
Email: Not Reported
Phone Number: Not Reported

LUST:

Global Id: T0607100934
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter
Global Id: T0607100934
Action Type: ENFORCEMENT
Date: 03/04/2003
Action: Technical Correspondence / Assistance / Other
Global Id: T0607100934
Action Type: Other
Date: 12/10/1998
Action: Leak Discovery
Global Id: T0607100934
Action Type: Other
Date: 12/10/1998
Action: Leak Stopped
Global Id: T0607100934
Action Type: Other
Date: 01/28/1999
Action: Leak Reported

LUST:

Global Id: T0607100934
Status: Open - Case Begin Date
Status Date: 12/10/1998
Global Id: T0607100934
Status: Open - Remediation
Status Date: 12/10/1998
Global Id: T0607100934
Status: Completed - Case Closed
Status Date: 09/22/2000

HIST CORTESE: Other Ascertainable Records

MAP FINDINGS

VICTORVILLE COUNTY COURT, 14855 CIVIC, VICTORVILLE, CA 95392 (Continued)

Region: CORTESE
 Facility County Code: 36
 Reg By: LTNKA
 Reg Id: 6B3600927T

MOBIL CHOICE INC 15669 ROY ROGERS DR, VICTORVILLE, CA, 92394			1021240194
◆ 2	WNW <1/10 5 ft. Lower Elevation	(354 ft. / 0.067 mi.) 2939 ft. Above Sea Level	EDR Exclusive Records

Worksheet:

EDR Hist Auto: EDR Exclusive Records

Year: 2011: Name: / Type: MOBIL CHOICE INC / Gasoline Service Stations, NEC

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
<i>Federal NPL site list</i>						
US	NPL	National Priority List	EPA	12/11/2017	12/22/2017	01/05/2018
US	Proposed NPL	Proposed National Priority List Sites	EPA	12/11/2017	12/22/2017	01/05/2018
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
<i>Federal CERCLIS list</i>						
US	SEMS	Superfund Enterprise Management System	EPA	01/09/2018	02/06/2018	04/13/2018
<i>Federal RCRA CORRACTS facilities list</i>						
US	CORRACTS	Corrective Action Report	EPA	12/11/2017	12/26/2017	02/09/2018
<i>Federal RCRA TSD facilities list</i>						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
<i>Federal RCRA generators list</i>						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
<i>Federal institutional controls / engineering controls registries</i>						
US	LUCIS	Land Use Control Information System	Department of the Navy	05/22/2017	06/13/2017	09/15/2017
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	11/13/2017	11/27/2017	02/09/2018
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	11/13/2017	11/27/2017	02/09/2018
<i>Federal ERNS list</i>						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	01/16/2018	01/19/2018	03/23/2018
<i>State and tribal - equivalent NPL</i>						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	01/30/2018	01/31/2018	03/19/2018
<i>State and tribal - equivalent CERCLIS</i>						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	01/30/2018	01/31/2018	03/19/2018
<i>State and tribal landfill / solid waste disposal</i>						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	02/12/2018	02/14/2018	04/03/2018
<i>State and tribal leaking storage tank lists</i>						
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
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 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
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 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
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 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
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 REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	03/12/2018	03/14/2018	03/21/2018
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	01/06/2018	01/23/2018	04/13/2018
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2017	01/23/2018	04/13/2018
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/14/2017	01/23/2018	04/13/2018
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/24/2017	01/23/2018	04/13/2018
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/16/2017	01/23/2018	04/13/2018
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/12/2017	01/23/2018	04/13/2018
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/12/2017	01/23/2018	04/13/2018
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	09/30/2017	01/23/2018	04/13/2018
CA	SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	03/12/2018	03/14/2018	03/21/2018
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	03/12/2018	03/14/2018	03/29/2018
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	02/28/2018	03/01/2018	03/28/2018
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	01/13/2018	01/23/2018	04/13/2018
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/14/2017	01/23/2018	04/13/2018
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/16/2017	01/23/2018	04/13/2018
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2017	01/23/2018	04/13/2018
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/24/2017	07/27/2017	12/08/2017
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/24/2017	01/23/2018	04/13/2018
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	09/30/2017	01/23/2018	04/13/2018
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/12/2017	01/23/2018	04/13/2018
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017
State and tribal voluntary cleanup sites						
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	01/30/2018	01/31/2018	03/19/2018
US	INDIAN VCP R7	Voluntary Cleanup Priority Listitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfields Sites Listing	State Water Resources Control Board	12/22/2017	12/26/2017	01/31/2018
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2017	01/24/2018	04/13/2018
US	ROD	Records Of Decision	EPA	12/11/2017	12/22/2017	01/12/2018
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	12/11/2017	12/22/2017	01/12/2018
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	12/11/2017	12/12/2017	01/17/2018
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	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	12/31/2005	08/07/2009	10/22/2009
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	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	07/01/2014	09/10/2014	10/20/2014
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	01/19/2018	01/24/2018	02/09/2018
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	01/09/2018	02/06/2018	03/02/2018
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	04/22/2013	03/03/2015	03/09/2015
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	12/23/2016	12/27/2016	02/17/2017
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	01/11/2018	01/19/2018	03/02/2018
US	Delisted NPL	National Priority List Deletions	EPA	12/11/2017	12/22/2017	01/05/2018
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	01/09/2018	02/06/2018	04/13/2018
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	01/19/2018	01/19/2018	03/23/2018
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	01/09/2018	01/24/2018	02/09/2018
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	01/19/2018	01/19/2018	02/09/2018
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	12/31/2005	02/06/2006	01/11/2007
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	11/03/2017
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	10/29/2017	11/28/2017	01/12/2018
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
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	10/25/2013	10/17/2014	10/20/2014
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016	01/10/2018	01/12/2018
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
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	12/31/2009	12/10/2010	02/25/2011
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	06/01/2017	06/09/2017	10/13/2017
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	RADINFO	Radiation Information Database	Environmental Protection Agency	01/03/2018	01/04/2018	04/13/2018
US	FINDS	Facility Index System/Facility Registry System	EPA	02/21/2018	02/23/2018	03/23/2018
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	11/02/2017	11/17/2017	12/08/2017
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
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	06/30/2017	08/18/2017	09/21/2017
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	02/15/2018	02/20/2018	04/03/2018
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	02/08/2018	02/08/2018	02/08/2018
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	02/08/2018	02/08/2018	02/08/2018
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	12/01/2017	02/02/2018	03/16/2018
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2015	03/21/2017	08/15/2017
CA	ENF	Enforcement Action Listing	State Water Resources Control Board	01/22/2018	01/24/2018	03/19/2018
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	01/22/2018	01/24/2018	03/20/2018
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	02/14/2018	02/16/2018	04/03/2018
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	02/08/2018	02/09/2018	03/20/2018
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2016	07/12/2017	10/17/2017
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	02/20/2018	02/21/2018	04/03/2018
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	01/08/2018	01/09/2018	02/06/2018
CA	ICE	ICE	Department of Toxic Substances Control	02/20/2018	02/21/2018	04/03/2018
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Quality Control Board	03/12/2018	03/14/2018	03/21/2018
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	01/28/2018	03/01/2018	04/16/2018
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	03/12/2018	03/14/2018	03/21/2018
CA	MINES	Mines Site Location Listing	Department of Conservation	12/11/2017	12/12/2017	01/12/2018
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	02/27/2018	03/05/2018	04/16/2018
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	02/14/2018	02/14/2018	03/15/2018
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	03/05/2018	03/05/2018	04/19/2018
CA	PROC	Certified Processors Database	Department of Conservation	12/11/2017	12/12/2017	01/16/2018
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	12/14/2017	12/15/2017	01/16/2018
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	01/30/2018	01/31/2018	03/19/2018
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	Deptartment of Conservation	12/11/2017	12/12/2017	01/17/2018
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	04/15/2015	04/17/2015	06/23/2015
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Services, Indian	04/01/2014	08/06/2014	01/29/2015
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/20/2018	02/21/2018	03/23/2018
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/13/2018	01/19/2018	03/02/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	12/20/2017	12/21/2017	03/23/2018
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/30/2016	10/31/2017	01/12/2018
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	01/04/2018	01/19/2018	04/13/2018
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	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	01/09/2018	01/11/2018	02/22/2018
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	01/22/2018	01/24/2018	03/28/2018
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	03/01/2018	03/05/2018	03/15/2018
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	01/25/2018	01/26/2018	03/14/2018
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	02/26/2018	03/01/2018	03/15/2018
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	02/22/2018	02/27/2018	04/16/2018
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	01/05/2018	02/02/2018	03/14/2018
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	03/05/2018	03/08/2018	04/16/2018
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	03/01/2018	03/05/2018	03/14/2018
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	03/05/2018	03/08/2018	04/30/2018
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	01/22/2018	01/26/2018	03/14/2018
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	06/08/2017	06/09/2017	08/04/2017
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	02/02/2018	02/02/2018	03/28/2018
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	11/14/2017	11/17/2017	12/15/2017
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	02/06/2018	02/09/2018	03/14/2018
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	01/22/2018	01/24/2018	03/14/2018
CA	AOCONCERN	San Gabriel Valley Areas of Concern	EPA Region 9	03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	01/16/2018	01/23/2018	03/20/2018
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	01/16/2018	01/16/2018	02/14/2018
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	01/01/2017	04/21/2017	10/09/2017
CA	SITE MIT LOS ANGELES	Site Mitigation List	Community Health Services	01/01/2018	01/17/2018	02/14/2018
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	03/09/2017	03/10/2017	05/03/2017
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	01/04/2018	01/05/2018	01/18/2018
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	02/21/2018	02/22/2018	04/03/2018
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	01/02/2018	01/05/2018	01/17/2018
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	01/11/2018	01/12/2018	02/08/2018
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	02/22/2018	02/27/2018	03/14/2018
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	03/27/2018	03/29/2018	04/16/2018
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	02/22/2018	02/27/2018	03/29/2018
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	01/31/2018	02/01/2018	03/14/2018
CA	IND_SITE ORANGE	List of Industrial Site Cleanups	Health Care Agency	02/05/2018	02/13/2018	04/03/2018
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	02/05/2018	02/13/2018	03/20/2018
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	01/02/2018	02/07/2018	03/28/2018
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	12/08/2017	12/12/2017	01/31/2018
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	01/22/2018	01/24/2018	03/15/2018
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	01/18/2018	01/23/2018	03/20/2018
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	01/18/2018	01/23/2018	03/28/2018
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	11/02/2017	01/03/2018	02/05/2018
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	11/02/2017	01/03/2018	02/14/2018
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	11/01/2017	11/03/2017	11/17/2017
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	11/30/2017	12/01/2017	01/16/2018
CA	HMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	03/05/2018	03/07/2018	04/16/2018
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	10/31/2015	11/07/2015	01/04/2016
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	11/02/2017	11/07/2017	12/19/2017
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	12/20/2017	12/21/2017	02/01/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	11/16/2017	11/17/2017	12/18/2017
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	12/12/2017	12/14/2017	01/11/2018
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	01/22/2018	01/23/2018	04/11/2018
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	02/20/2018	02/20/2018	03/19/2018
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	02/04/2018	02/06/2018	03/20/2018
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 Manageme	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	12/14/2017	12/15/2017	01/12/2018
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	03/08/2018	03/13/2018	03/29/2018
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	03/01/2018	03/27/2018	04/16/2018
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	01/04/2018	01/09/2018	02/06/2018
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	02/06/2018	02/07/2018	03/16/2018
CA	UST SUTTER	Underground Storage Tanks	Sutter County Department of Agriculture	01/08/2018	03/01/2018	03/30/2018
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	01/26/2018	02/02/2018	03/21/2018
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	01/22/2018	01/25/2018	03/19/2018
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	03/19/2018	03/22/2018	04/17/2018
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	01/22/2018	01/25/2018	03/16/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	12/26/2017	01/25/2018	03/14/2018
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	12/26/2017	01/25/2018	03/20/2018
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	02/28/2018	03/14/2018	03/30/2018
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	01/02/2018	01/09/2018	01/19/2018
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	02/01/2018	02/02/2018	03/21/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
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APPENDIX E:
Hydrology Report

Michael Baker

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Carmax

City of Victorville
San Bernardino County, California

HYDROLOGY REPORT

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August 21, 2018
JN 163697

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INTRODUCTION

The project is a 4.76 acre commercial development located at 14901 Civic Drive in the City of Victorville, CA.

The peak flow hydrologic analysis generated for this study includes 10-year design storm, 25-year design storm, and 100-year design storm analysis. Refer to Appendix A through Appendix D for complete design results.

Goals

This Hydrology Report was generated to specifically achieve the following goals:

- To calculate pre- and post-development peak flows for the 10 year, 25 year, and 100 year storm events.
- To demonstrate that the proposed Best Management Practices (BMP's) are sized to mitigate peak flows and not increase runoff due to proposed land improvements.

PROJECT DESCRIPTION

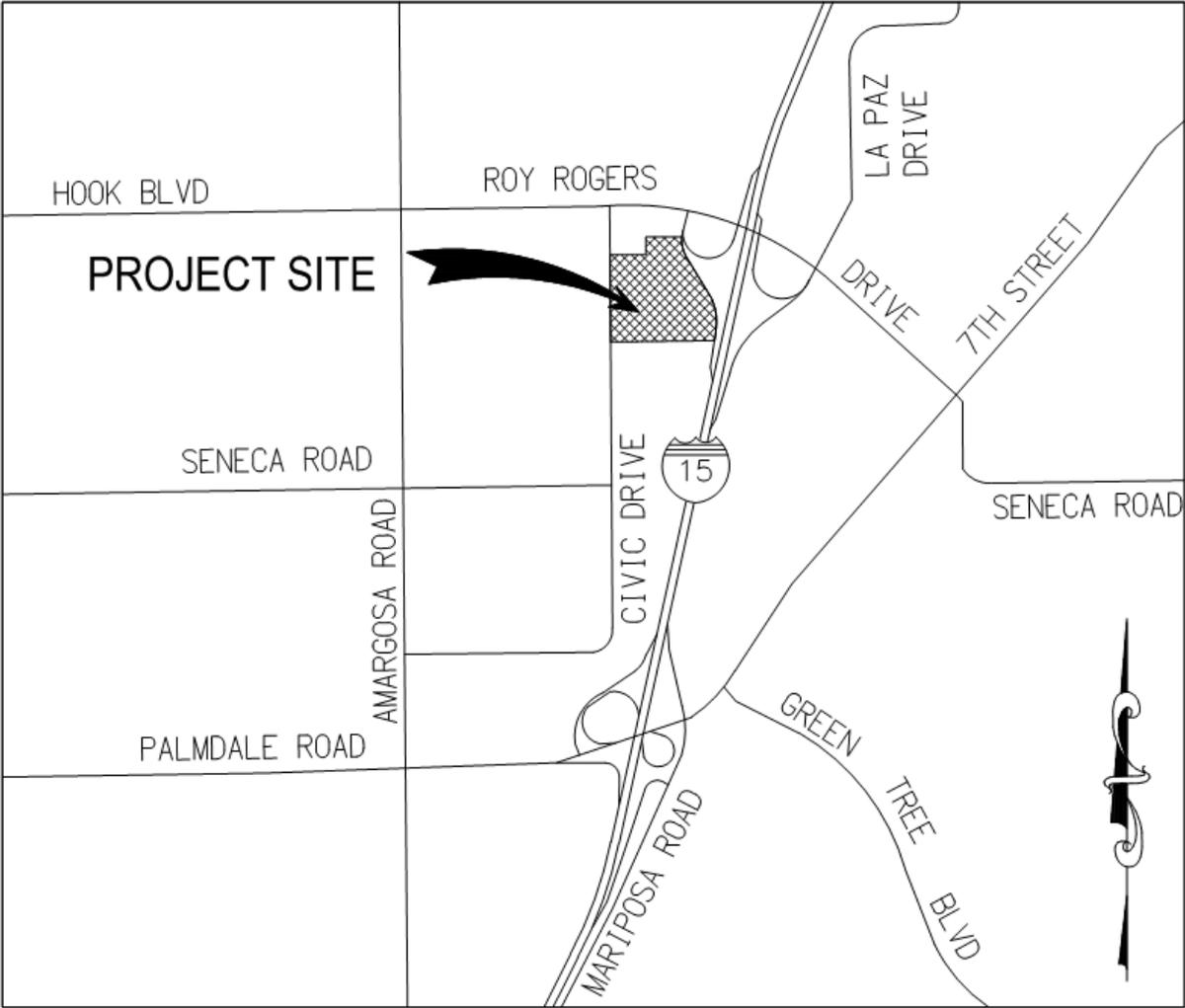
Existing Conditions

The 4.76 acre project site is a undeveloped vacant site with poor land cover. Soil conditions for the site are classified as type D. Topography shows existing grades sloping down from a high point located in the middle of the site. Precipitation generated onsite sheet flows away from the site to adjacent properties. (See Appendix A)

Proposed Conditions

Development of the 4.76 acre site includes a central facility with associated parking lots located along the north, east, and southwest corner of the property. Landscaping will be provided along the perimeter of the site. Precise grading in the parking lots will capture and direct flows to catch basins placed throughout the site. Storm flows will confluence while traveling towards the west side of the property and ultimately join at a proposed diversion structure. Low flows entering the diversion structure will be directed to a proposed CDS unit located downstream of the diversion structure to filter the first flush stormwater. This filtered stormwater will then be stored in proposed underground chambers leading towards a proposed Drywell. High flows will bypass the diversion structure and travel towards the existing 54" storm drain main located along Civic Drive. All flows entering the underground chambers will be sized to satisfy the WQMP requirements for Design Capture Volume or the difference in volume between Pre- and Post-Development condition, whichever is greater. (See Appendix C)

VICINITY MAP



VICINITY MAP
NOT TO SCALE

Figure 1-1

SITE MAP

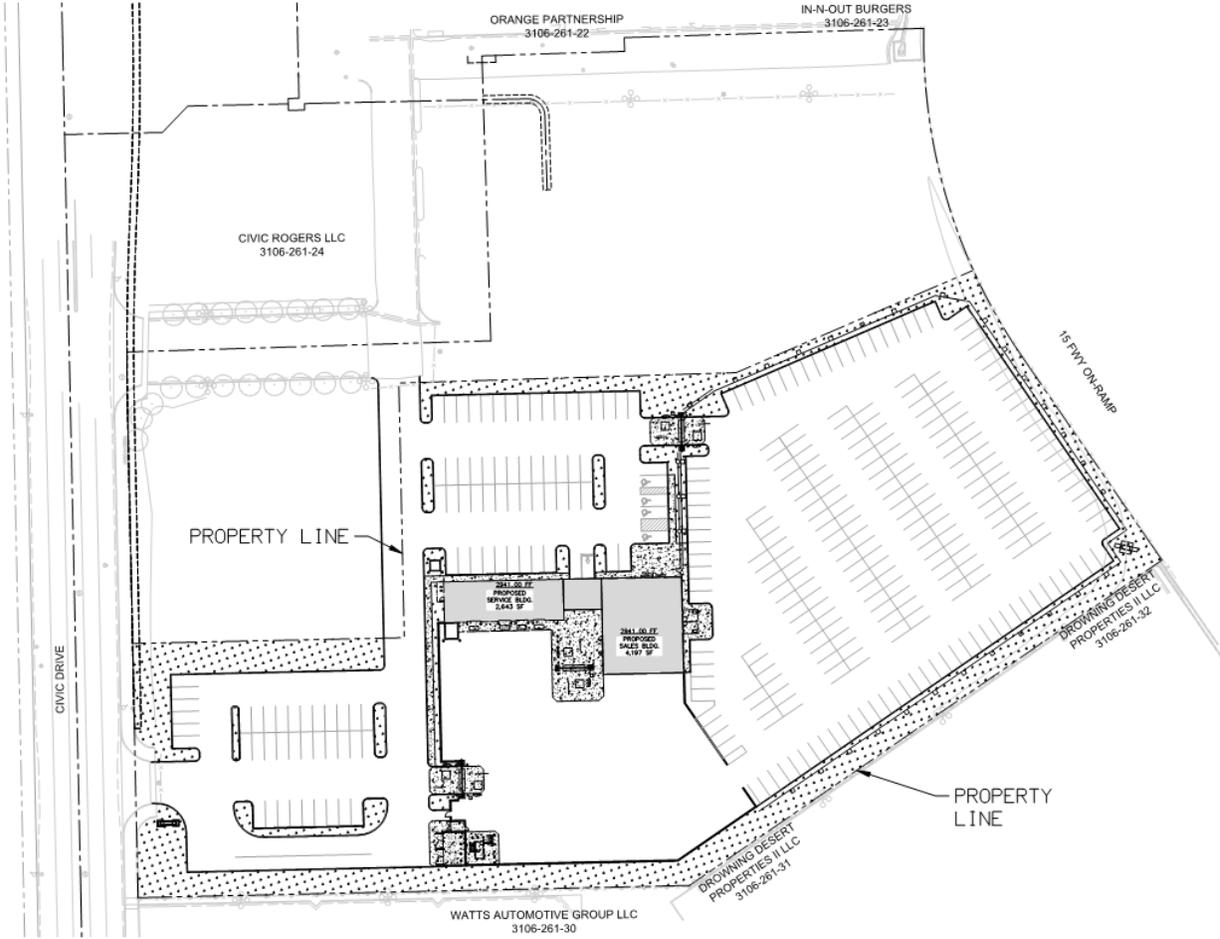


Figure 1-2
NTS

HYDROLOGIC METHODOLOGY

Hydrologic calculations to evaluate surface runoff associated with the 10-year, 25-year, and 100-year storm events were performed using data from the *Web Soils Survey* and *NOAA Atlas Point Precipitation Frequency Estimates* to find soil classification and rainfall intensity values.

Rational Method

The hydrologic calculations to determine the peak flow rates for different storm events were performed using the criteria in the *San Bernardino County Hydrology Manual*. The Rational Method is an empirical computation procedure for developing a peak runoff rate (discharge) for storms of a specific recurrence interval. Rational Method equations are based on the assumption that the peak flow rate is directly proportional to the drainage area, rainfall intensity, and a loss rate coefficient, which describes the effects of land use and soil type. The Rational Method flow rates were computed using Civil Design software.

This Rational Method analysis is used as the basis for development of the small area unit hydrographs and flood routing analysis. This methodology is consistent with Section J of the hydrology manual.

Soil Type

The soil type within the project area is classified as Type D. (see Appendix F)

Loss Rates

Watershed losses generally consist of infiltration, depression storage, vegetation, and minor amounts of evaporation. Loss rates vary with each land use and soil type. The procedures and criteria used in this study for estimating loss rates follow the guidelines of the *San Bernardino Hydrology Manual*.

The Antecedent Moisture Condition (AMC) indicates the soil wetness prior to a particular storm and the runoff potential for the subject storm. An AMC is defined as:

- AMC I: Lowest runoff potential
- AMC II: Moderate runoff potential
- AMC III: Highest runoff potential

AMC II was applied for the 10-year and 25-year storm events. AMC III was applied for the 100-year storm event as outlined in the San Bernardino Hydrology manual.

Precipitation

Rainfall intensity was determined using *NOAA Atlas Point Precipitation Frequency Estimates* for 10-year, 25-year, & 100-year recurrence intervals with durations varying according to the time of concentration. (see Appendix E)

EXISTING CONDITION ANALYSIS

A summary of peak flows for existing conditions was generated as follows;

Table 1: Existing Condition Rational Method Results				
<i>Watershed Area</i>	<i>Area (ac.)</i>	<i>10-Year Storm Event</i>	<i>25-Year Storm Event</i>	<i>100-Year Storm Event</i>
A1	0.62	0.83 cfs	1.10 cfs	1.64 cfs
B1	0.73	1.04 cfs	1.37 cfs	2.04 cfs
C1	1.91	1.78 cfs	2.36 cfs	3.68 cfs
D1	1.06	1.35 cfs	1.79 cfs	2.69 cfs
E1	0.44	0.64 cfs	0.84 cfs	1.25 cfs
Total	4.76	5.64 cfs	7.46 cfs	11.30 cfs

Refer to Appendix B for complete existing condition design results.

PROPOSED CONDITION ANALYSIS

A summary of peak flows for proposed conditions was generated as follows;

Table 2: Proposed Condition Rational Method Results				
	<i>Watershed Area (ac.)</i>	<i>10-Year Storm Event</i>	<i>25-Year Storm Event</i>	<i>100-Year Storm Event</i>
Total	4.76	9.10 cfs	11.77 cfs	16.51 cfs

Refer to Appendix D for complete proposed condition design results.

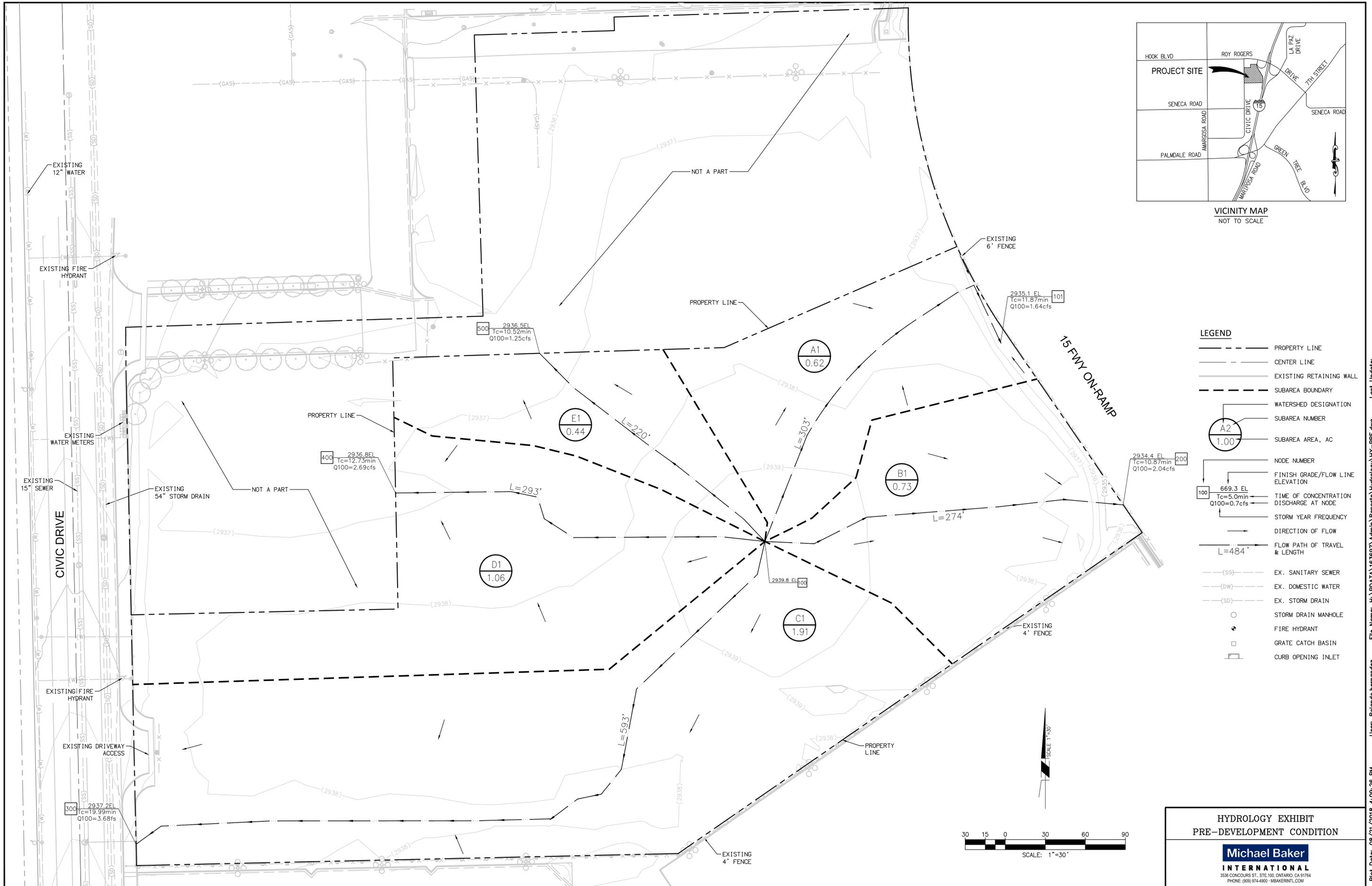
CONCLUSION

Hydrology studies were performed for the 10-year design storm, 25-year design storm, and 100-year design storm for pre- and post-development conditions. In comparing pre- and post-development conditions, peak flows increased under post development conditions due to the increase in impervious land cover. An increase of 5.21 cfs resulted which is calculated as the difference between pre and post-development conditions for the 100-year design storm. This difference in runoff is equivalent to approximately 4,000 cubic feet of volume.

The WQMP requires a minimum design capture volume of 10,418.60 cubic feet. The project will provide an underground storage chamber to satisfy the WQMP conditions by providing a storage capacity of 10,500 cubic feet of volume. This proposed underground storage will lead into a proposed Drywell onsite. Therefore, stormwater runoff will not increase under post-development conditions.

Appendix A

Hydrology Map – Pre-Development Condition



Plot Date: 08/21/2018 4:08:26 PM
 8/21/2018 4:08:58 PM
 User: Rolando.hernandez
 File Name: H:\PDATA\163697\Admin\Reports\Hydrology\HY-PRE.dwg
 Last Update:

Appendix B

Rational Method Calculations (10-Yr, 25-Yr, 100-Yr)

Pre-Development

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2014 Version 9.0
Rational Hydrology Study Date: 08/21/18

CARMAX DEVELOPMENT
10-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.643 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

+++++
Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.211(In/Hr)
Initial subarea data:
Initial area flow distance = 303.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2935.100(Ft.)
Difference in elevation = 4.700(Ft.)
Slope = 0.01551 s(%)= 1.55
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 11.874 min.
Rainfall intensity = 1.700(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.788
Subarea runoff = 0.831(CFS)
Total initial stream area = 0.620(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.211(In/Hr)
End of computations, Total Study Area = 0.62 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

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Rational Hydrology Study Date: 08/21/18

CARMAX DEVELOPMENT
10-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.643 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

+++++
Process from Point/Station 100.000 to Point/Station 200.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.211(In/Hr)
Initial subarea data:
Initial area flow distance = 274.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2934.400(Ft.)
Difference in elevation = 5.400(Ft.)
Slope = 0.01971 s(%)= 1.97
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 10.873 min.
Rainfall intensity = 1.792(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.794
Subarea runoff = 1.039(CFS)
Total initial stream area = 0.730(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.211(In/Hr)
End of computations, Total Study Area = 0.73 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2014 Version 9.0
Rational Hydrology Study Date: 08/21/18

CARMAX DEVELOPMENT
10-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.643 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

+++++
Process from Point/Station 100.000 to Point/Station 300.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.211(In/Hr)
Initial subarea data:
Initial area flow distance = 593.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2937.200(Ft.)
Difference in elevation = 2.600(Ft.)
Slope = 0.00438 s(%)= 0.44
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 19.999 min.
Rainfall intensity = 1.243(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.747
Subarea runoff = 1.775(CFS)
Total initial stream area = 1.910(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.211(In/Hr)
End of computations, Total Study Area = 1.91 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

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Rational Hydrology Study Date: 08/21/18

CARMAX DEVELOPMENT
10-YEAR RATIONAL METHOD
PRE-DEVELOPMENTpp
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.643 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

+++++
Process from Point/Station 100.000 to Point/Station 400.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.211(In/Hr)
Initial subarea data:
Initial area flow distance = 293.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2936.800(Ft.)
Difference in elevation = 3.000(Ft.)
Slope = 0.01024 s(%)= 1.02
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 12.731 min.
Rainfall intensity = 1.630(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.784
Subarea runoff = 1.354(CFS)
Total initial stream area = 1.060(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.211(In/Hr)
End of computations, Total Study Area = 1.06 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2014 Version 9.0
Rational Hydrology Study Date: 08/21/18

CARMAX DEVELOPMENT
10-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.643 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

+++++
Process from Point/Station 100.000 to Point/Station 500.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.211(In/Hr)
Initial subarea data:
Initial area flow distance = 220.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2936.500(Ft.)
Difference in elevation = 3.300(Ft.)
Slope = 0.01500 s(%)= 1.50
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 10.517 min.
Rainfall intensity = 1.828(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.796
Subarea runoff = 0.640(CFS)
Total initial stream area = 0.440(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.211(In/Hr)
End of computations, Total Study Area = 0.44 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2014 Version 9.0
Rational Hydrology Study Date: 08/21/18

CARMAX DEVELOPMENT
25-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 25.0
Computed rainfall intensity:
Storm year = 25.00 1 hour rainfall = 0.822 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

+++++
Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.211(In/Hr)
Initial subarea data:
Initial area flow distance = 303.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2935.100(Ft.)
Difference in elevation = 4.700(Ft.)
Slope = 0.01551 s(%)= 1.55
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 11.874 min.
Rainfall intensity = 2.173(In/Hr) for a 25.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.813
Subarea runoff = 1.095(CFS)
Total initial stream area = 0.620(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.211(In/Hr)
End of computations, Total Study Area = 0.62 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

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Rational Hydrology Study Date: 08/21/18

CRAMAX DEVELOPMENT
25-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 25.0
Computed rainfall intensity:
Storm year = 25.00 1 hour rainfall = 0.822 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

+++++
Process from Point/Station 100.000 to Point/Station 200.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.211(In/Hr)
Initial subarea data:
Initial area flow distance = 274.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2934.400(Ft.)
Difference in elevation = 5.400(Ft.)
Slope = 0.01971 s(%)= 1.97
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 10.873 min.
Rainfall intensity = 2.291(In/Hr) for a 25.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.817
Subarea runoff = 1.367(CFS)
Total initial stream area = 0.730(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.211(In/Hr)
End of computations, Total Study Area = 0.73 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

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CARMAX DEVELOPMENT
25-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 25.0
Computed rainfall intensity:
Storm year = 25.00 1 hour rainfall = 0.822 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

+++++
Process from Point/Station 100.000 to Point/Station 300.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.211(In/Hr)
Initial subarea data:
Initial area flow distance = 593.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2937.200(Ft.)
Difference in elevation = 2.600(Ft.)
Slope = 0.00438 s(%)= 0.44
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 19.999 min.
Rainfall intensity = 1.589(In/Hr) for a 25.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.781
Subarea runoff = 2.369(CFS)
Total initial stream area = 1.910(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.211(In/Hr)
End of computations, Total Study Area = 1.91 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

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CARMAX DEVELOPMENT
25-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 25.0
Computed rainfall intensity:
Storm year = 25.00 1 hour rainfall = 0.822 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

+++++
Process from Point/Station 100.000 to Point/Station 400.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.211(In/Hr)
Initial subarea data:
Initial area flow distance = 293.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2936.800(Ft.)
Difference in elevation = 3.000(Ft.)
Slope = 0.01024 s(%)= 1.02
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 12.731 min.
Rainfall intensity = 2.084(In/Hr) for a 25.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.809
Subarea runoff = 1.787(CFS)
Total initial stream area = 1.060(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.211(In/Hr)
End of computations, Total Study Area = 1.06 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

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CARMAX DEVELOPMENT
25-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 25.0
Computed rainfall intensity:
Storm year = 25.00 1 hour rainfall = 0.822 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

+++++
Process from Point/Station 100.000 to Point/Station 500.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.211(In/Hr)
Initial subarea data:
Initial area flow distance = 220.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2936.500(Ft.)
Difference in elevation = 3.300(Ft.)
Slope = 0.01500 s(%)= 1.50
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 10.517 min.
Rainfall intensity = 2.337(In/Hr) for a 25.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.819
Subarea runoff = 0.842(CFS)
Total initial stream area = 0.440(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.211(In/Hr)
End of computations, Total Study Area = 0.44 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2014 Version 9.0
Rational Hydrology Study Date: 08/21/18

CARMAX DEVELOPMENT
100-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.130 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

+++++
Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Adjusted SCS curve number for AMC 3 = 97.80
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.044(In/Hr)
Initial subarea data:
Initial area flow distance = 303.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2935.100(Ft.)
Difference in elevation = 4.700(Ft.)
Slope = 0.01551 s(%)= 1.55
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 11.874 min.
Rainfall intensity = 2.987(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.887
Subarea runoff = 1.642(CFS)
Total initial stream area = 0.620(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.044(In/Hr)
End of computations, Total Study Area = 0.62 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2014 Version 9.0
Rational Hydrology Study Date: 08/21/18

CRAMAX DEVELOPMENT
100-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.130 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

+++++
Process from Point/Station 100.000 to Point/Station 200.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Adjusted SCS curve number for AMC 3 = 97.80
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.044(In/Hr)
Initial subarea data:
Initial area flow distance = 274.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2934.400(Ft.)
Difference in elevation = 5.400(Ft.)
Slope = 0.01971 s(%)= 1.97
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 10.873 min.
Rainfall intensity = 3.149(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.888
Subarea runoff = 2.040(CFS)
Total initial stream area = 0.730(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.044(In/Hr)
End of computations, Total Study Area = 0.73 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

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CARMAX DEVELOPMENT
100-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.130 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

+++++
Process from Point/Station 100.000 to Point/Station 300.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Adjusted SCS curve number for AMC 3 = 97.80
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.044(In/Hr)
Initial subarea data:
Initial area flow distance = 593.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2937.200(Ft.)
Difference in elevation = 2.600(Ft.)
Slope = 0.00438 s(%)= 0.44
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 19.999 min.
Rainfall intensity = 2.185(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.882
Subarea runoff = 3.680(CFS)
Total initial stream area = 1.910(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.044(In/Hr)
End of computations, Total Study Area = 1.91 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

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CARMAX DEVELOPMENT
100-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.130 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

+++++
Process from Point/Station 100.000 to Point/Station 400.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Adjusted SCS curve number for AMC 3 = 97.80
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.044(In/Hr)
Initial subarea data:
Initial area flow distance = 293.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2936.800(Ft.)
Difference in elevation = 3.000(Ft.)
Slope = 0.01024 s(%)= 1.02
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 12.731 min.
Rainfall intensity = 2.865(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.886
Subarea runoff = 2.691(CFS)
Total initial stream area = 1.060(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.044(In/Hr)
End of computations, Total Study Area = 1.06 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

San Bernardino County Rational Hydrology Program

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CARMAX DEVELOPMENT
100-YEAR RATIONAL METHOD
PRE-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.130 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

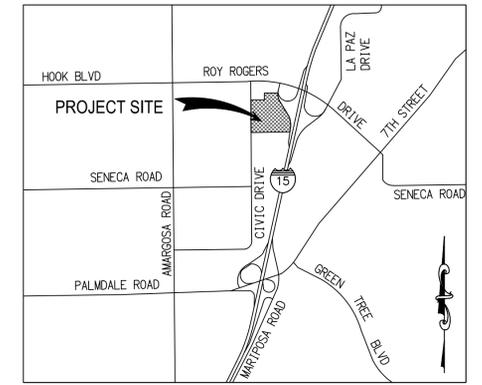
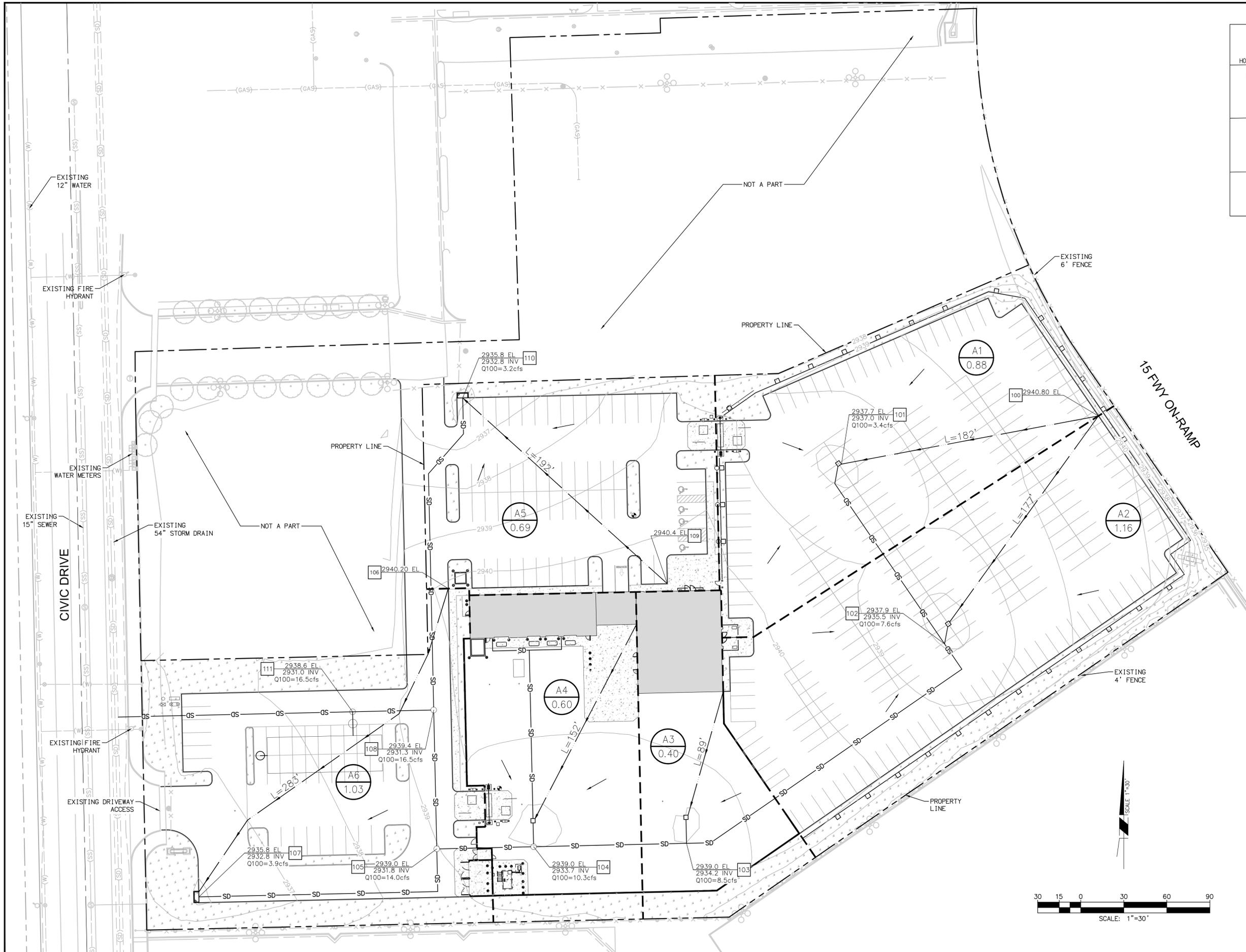
+++++
Process from Point/Station 100.000 to Point/Station 500.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 89.00
Adjusted SCS curve number for AMC 3 = 97.80
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.044(In/Hr)
Initial subarea data:
Initial area flow distance = 220.000(Ft.)
Top (of initial area) elevation = 2939.800(Ft.)
Bottom (of initial area) elevation = 2936.500(Ft.)
Difference in elevation = 3.300(Ft.)
Slope = 0.01500 s(%)= 1.50
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 10.517 min.
Rainfall intensity = 3.212(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.888
Subarea runoff = 1.255(CFS)
Total initial stream area = 0.440(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.044(In/Hr)
End of computations, Total Study Area = 0.44 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 89.0

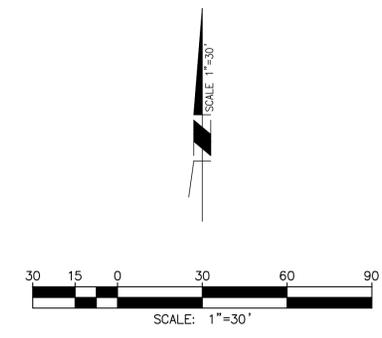
Appendix C

Hydrology Map – Post-Development Condition



VICINITY MAP
NOT TO SCALE

- LEGEND**
- PROPERTY LINE
 - CENTER LINE
 - EXISTING RETAINING WALL
 - SUBAREA BOUNDARY
 - WATERSHED DESIGNATION
 - SUBAREA NUMBER
 - SUBAREA AREA, AC
 - NODE NUMBER
 - FINISH GRADE/FLOW LINE ELEVATION
 - INVERT ELEVATION
 - DISCHARGE AT NODE
 - STORM YEAR FREQUENCY
 - DIRECTION OF FLOW
 - L=484' FLOW PATH OF TRAVEL & LENGTH
 - SD PROP. STORM DRAIN LINE
 - (SS) EX. SANITARY SEWER
 - (DW) EX. DOMESTIC WATER
 - (SD) EX. STORM DRAIN
 - STORM DRAIN MANHOLE
 - FIRE HYDRANT
 - GRATE CATCH BASIN
 - CURB OPENING INLET



HYDROLOGY EXHIBIT
POST-DEVELOPMENT CONDITION

Michael Baker
INTERNATIONAL
3536 CONCOURS ST., STE. 100, ONTARIO, CA 91764
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User: Rolando.hernandez File Name: H:\PDATA\163697\Admin\Reports\Hydrology\HY-POST.dwg Plot Date: 08/21/2018 7:20:27 PM 8/21/2018 7:16:56 PM

Appendix D

Rational Method Calculations (10-Yr, 25-Yr, 100-Yr)

Post-Development

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2014 Version 9.0
Rational Hydrology Study Date: 08/21/18

CARMAX DEVELOPMENT
10-YEAR RATIONAL METHOD
POST-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.643 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
Initial subarea data:
Initial area flow distance = 182.000(Ft.)
Top (of initial area) elevation = 2939.500(Ft.)
Bottom (of initial area) elevation = 2938.000(Ft.)
Difference in elevation = 1.500(Ft.)
Slope = 0.00824 s(%)= 0.82
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 6.364 min.
Rainfall intensity = 2.471(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.884
Subarea runoff = 1.921(CFS)
Total initial stream area = 0.880(Ac.)
Pervious area fraction = 0.100
Initial area Fm value = 0.045(In/Hr)

Process from Point/Station 101.000 to Point/Station 102.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2937.000(Ft.)
Downstream point/station elevation = 2935.500(Ft.)
Pipe length = 147.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 1.921(CFS)
Nearest computed pipe diameter = 12.00(In.)
Calculated individual pipe flow = 1.921(CFS)
Normal flow depth in pipe = 6.23(In.)
Flow top width inside pipe = 11.99(In.)
Critical depth = 7.10(In.)
Pipe flow velocity = 4.66(Ft/s)
Travel time through pipe = 0.53 min.
Time of concentration (TC) = 6.89 min.

+++++
Process from Point/Station 102.000 to Point/Station 102.000
**** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
Time of concentration = 6.89 min.
Rainfall intensity = 2.356(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.883
Subarea runoff = 2.321(CFS) for 1.160(Ac.)
Total runoff = 4.243(CFS)
Effective area this stream = 2.04(Ac.)
Total Study Area (Main Stream No. 1) = 2.04(Ac.)
Area averaged Fm value = 0.045(In/Hr)

+++++
Process from Point/Station 102.000 to Point/Station 103.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2935.500(Ft.)
Downstream point/station elevation = 2934.200(Ft.)
Pipe length = 250.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 4.243(CFS)
Nearest computed pipe diameter = 15.00(In.)
Calculated individual pipe flow = 4.243(CFS)
Normal flow depth in pipe = 11.24(In.)
Flow top width inside pipe = 13.00(In.)
Critical Depth = 10.01(In.)
Pipe flow velocity = 4.30(Ft/s)
Travel time through pipe = 0.97 min.
Time of concentration (TC) = 7.86 min.

+++++
Process from Point/Station 103.000 to Point/Station 103.000
**** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
Time of concentration = 7.86 min.
Rainfall intensity = 2.177(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.881
Subarea runoff = 0.439(CFS) for 0.400(Ac.)
Total runoff = 4.682(CFS)
Effective area this stream = 2.44(Ac.)
Total Study Area (Main Stream No. 1) = 2.44(Ac.)
Area averaged Fm value = 0.045(In/Hr)

+++++
Process from Point/Station 103.000 to Point/Station 104.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2934.200(Ft.)
Downstream point/station elevation = 2933.700(Ft.)
Pipe length = 106.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 4.682(CFS)
Nearest computed pipe diameter = 18.00(In.)

Calculated individual pipe flow = 4.682(CFS)
Normal flow depth in pipe = 10.56(In.)
Flow top width inside pipe = 17.73(In.)
Critical Depth = 9.97(In.)
Pipe flow velocity = 4.34(Ft/s)
Travel time through pipe = 0.41 min.
Time of concentration (TC) = 8.26 min.

++++
Process from Point/Station 104.000 to Point/Station 104.000
**** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
Time of concentration = 8.26 min.
Rainfall intensity = 2.112(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.881
Subarea runoff = 0.974(CFS) for 0.600(Ac.)
Total runoff = 5.655(CFS)
Effective area this stream = 3.04(Ac.)
Total Study Area (Main Stream No. 1) = 3.04(Ac.)
Area averaged Fm value = 0.045(In/Hr)

++++
Process from Point/Station 104.000 to Point/Station 105.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2933.700(Ft.)
Downstream point/station elevation = 2931.800(Ft.)
Pipe length = 67.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 5.655(CFS)
Nearest computed pipe diameter = 12.00(In.)
Calculated individual pipe flow = 5.655(CFS)
Normal flow depth in pipe = 9.27(In.)
Flow top width inside pipe = 10.06(In.)
Critical Depth = 11.33(In.)
Pipe flow velocity = 8.69(Ft/s)
Travel time through pipe = 0.13 min.
Time of concentration (TC) = 8.39 min.

++++
Process from Point/Station 105.000 to Point/Station 105.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 3.040(Ac.)
Runoff from this stream = 5.655(CFS)
Time of concentration = 8.39 min.
Rainfall intensity = 2.093(In/Hr)
Area averaged loss rate (Fm) = 0.0453(In/Hr)
Area averaged Pervious ratio (Ap) = 0.1000

++++
Process from Point/Station 106.000 to Point/Station 107.000
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00

Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
 Initial subarea data:
 Initial area flow distance = 283.000(Ft.)
 Top (of initial area) elevation = 2940.200(Ft.)
 Bottom (of initial area) elevation = 2935.800(Ft.)
 Difference in elevation = 4.400(Ft.)
 Slope = 0.01555 s(%)= 1.55
 $TC = k(0.304)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 6.687 min.
 Rainfall intensity = 2.399(In/Hr) for a 10.0 year storm
 Effective runoff coefficient used for area (Q=KCIA) is C = 0.883
 Subarea runoff = 2.181(CFS)
 Total initial stream area = 1.030(Ac.)
 Pervious area fraction = 0.100
 Initial area Fm value = 0.045(In/Hr)

++++++
 Process from Point/Station 107.000 to Point/Station 105.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2932.800(Ft.)
 Downstream point/station elevation = 2931.800(Ft.)
 Pipe length = 196.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 2.181(CFS)
 Nearest computed pipe diameter = 12.00(In.)
 Calculated individual pipe flow = 2.181(CFS)
 Normal flow depth in pipe = 8.55(In.)
 Flow top width inside pipe = 10.86(In.)
 Critical Depth = 7.58(In.)
 Pipe flow velocity = 3.64(Ft/s)
 Travel time through pipe = 0.90 min.
 Time of concentration (TC) = 7.58 min.

++++++
 Process from Point/Station 105.000 to Point/Station 105.000
 **** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
 Stream flow area = 1.030(Ac.)
 Runoff from this stream = 2.181(CFS)
 Time of concentration = 7.58 min.
 Rainfall intensity = 2.224(In/Hr)
 Area averaged loss rate (Fm) = 0.0453(In/Hr)
 Area averaged Pervious ratio (Ap) = 0.1000
 Summary of stream data:

Stream No.	Flow rate (CFS)	Area (Ac.)	TC (min)	Fm (In/Hr)	Rainfall Intensity (In/Hr)
1	5.66	3.040	8.39	0.045	2.093
2	2.18	1.030	7.58	0.045	2.224
Qmax(1) =					
	1.000 *	1.000 *		5.655) +	
	0.940 *	1.000 *		2.181) + =	7.705
Qmax(2) =					
	1.064 *	0.904 *		5.655) +	
	1.000 *	1.000 *		2.181) + =	7.619

Total of 2 streams to confluence:
 Flow rates before confluence point:
 5.655 2.181
 Maximum flow rates at confluence using above data:
 7.705 7.619
 Area of streams before confluence:
 3.040 1.030
 Effective area values after confluence:
 4.070 3.777
 Results of confluence:
 Total flow rate = 7.705(CFS)

Time of concentration = 8.393 min.
Effective stream area after confluence = 4.070(Ac.)
Study area average Pervious fraction(Ap) = 0.100
Study area average soil loss rate(Fm) = 0.045(In/Hr)
Study area total (this main stream) = 4.07(Ac.)

++++
Process from Point/Station 105.000 to Point/Station 108.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2931.800(Ft.)
Downstream point/station elevation = 2931.300(Ft.)
Pipe length = 96.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 7.705(CFS)
Nearest computed pipe diameter = 21.00(In.)
Calculated individual pipe flow = 7.705(CFS)
Normal flow depth in pipe = 12.62(In.)
Flow top width inside pipe = 20.57(In.)
Critical Depth = 12.35(In.)
Pipe flow velocity = 5.10(Ft/s)
Travel time through pipe = 0.31 min.
Time of concentration (TC) = 8.71 min.

++++
Process from Point/Station 108.000 to Point/Station 108.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 4.070(Ac.)
Runoff from this stream = 7.705(CFS)
Time of concentration = 8.71 min.
Rainfall intensity = 2.047(In/Hr)
Area averaged loss rate (Fm) = 0.0453(In/Hr)
Area averaged Pervious ratio (Ap) = 0.1000

++++
Process from Point/Station 109.000 to Point/Station 110.000
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
Initial subarea data:
Initial area flow distance = 192.000(Ft.)
Top (of initial area) elevation = 2940.400(Ft.)
Bottom (of initial area) elevation = 2932.800(Ft.)
Difference in elevation = 7.600(Ft.)
Slope = 0.03958 s(%)= 3.96
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 4.750 min.
Rainfall intensity = 2.945(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.886
Subarea runoff = 1.801(CFS)
Total initial stream area = 0.690(Ac.)
Pervious area fraction = 0.100
Initial area Fm value = 0.045(In/Hr)

++++
Process from Point/Station 110.000 to Point/Station 108.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2932.800(Ft.)
Downstream point/station elevation = 2931.300(Ft.)
Pipe length = 225.00(Ft.) Manning's N = 0.013

No. of pipes = 1 Required pipe flow = 1.801(CFS)
 Nearest computed pipe diameter = 12.00(In.)
 Calculated individual pipe flow = 1.801(CFS)
 Normal flow depth in pipe = 6.83(In.)
 Flow top width inside pipe = 11.88(In.)
 Critical Depth = 6.85(In.)
 Pipe flow velocity = 3.90(Ft/s)
 Travel time through pipe = 0.96 min.
 Time of concentration (TC) = 5.71 min.

 Process from Point/Station 108.000 to Point/Station 108.000
 **** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
 Stream flow area = 0.690(Ac.)
 Runoff from this stream = 1.801(CFS)
 Time of concentration = 5.71 min.
 Rainfall intensity = 2.637(In/Hr)
 Area averaged loss rate (Fm) = 0.0453(In/Hr)
 Area averaged Pervious ratio (Ap) = 0.1000
 Summary of stream data:

Stream No.	Flow rate (CFS)	Area (Ac.)	TC (min)	Fm (In/Hr)	Rainfall Intensity (In/Hr)
1	7.71	4.070	8.71	0.045	2.047
2	1.80	0.690	5.71	0.045	2.637
Qmax(1) =					
	1.000 *	1.000 *		7.705) +	
	0.773 *	1.000 *		1.801) + =	9.097
Qmax(2) =					
	1.294 *	0.656 *		7.705) +	
	1.000 *	1.000 *		1.801) + =	8.343

Total of 2 streams to confluence:
 Flow rates before confluence point:
 7.705 1.801
 Maximum flow rates at confluence using above data:
 9.097 8.343
 Area of streams before confluence:
 4.070 0.690
 Effective area values after confluence:
 4.760 3.360
 Results of confluence:
 Total flow rate = 9.097(CFS)
 Time of concentration = 8.707 min.
 Effective stream area after confluence = 4.760(Ac.)
 Study area average Pervious fraction(Ap) = 0.100
 Study area average soil loss rate(Fm) = 0.045(In/Hr)
 Study area total (this main stream) = 4.76(Ac.)

 Process from Point/Station 108.000 to Point/Station 111.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2931.300(Ft.)
 Downstream point/station elevation = 2931.000(Ft.)
 Pipe length = 56.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 9.097(CFS)
 Nearest computed pipe diameter = 21.00(In.)
 Calculated individual pipe flow = 9.097(CFS)
 Normal flow depth in pipe = 14.02(In.)
 Flow top width inside pipe = 19.79(In.)
 Critical Depth = 13.47(In.)
 Pipe flow velocity = 5.34(Ft/s)
 Travel time through pipe = 0.17 min.
 Time of concentration (TC) = 8.88 min.
 End of computations, Total Study Area = 4.76 (Ac.)

The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(A_p) = 0.100
Area averaged SCS curve number = 75.0

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2014 Version 9.0
Rational Hydrology Study Date: 08/21/18

CARMAX DEVELOPMENT
25-YEAR RATIONAL METHOD
POST-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 25.0
Computed rainfall intensity:
Storm year = 25.00 1 hour rainfall = 0.822 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

+++++
Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
Initial subarea data:
Initial area flow distance = 182.000(Ft.)
Top (of initial area) elevation = 2939.500(Ft.)
Bottom (of initial area) elevation = 2938.000(Ft.)
Difference in elevation = 1.500(Ft.)
Slope = 0.00824 s(%)= 0.82
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 6.364 min.
Rainfall intensity = 3.159(In/Hr) for a 25.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.887
Subarea runoff = 2.466(CFS)
Total initial stream area = 0.880(Ac.)
Pervious area fraction = 0.100
Initial area Fm value = 0.045(In/Hr)

+++++
Process from Point/Station 101.000 to Point/Station 102.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2937.000(Ft.)
Downstream point/station elevation = 2935.500(Ft.)
Pipe length = 147.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 2.466(CFS)
Nearest computed pipe diameter = 12.00(In.)
Calculated individual pipe flow = 2.466(CFS)
Normal flow depth in pipe = 7.29(In.)
Flow top width inside pipe = 11.72(In.)
Critical Depth = 8.07(In.)
Pipe flow velocity = 4.93(Ft/s)
Travel time through pipe = 0.50 min.
Time of concentration (TC) = 6.86 min.

Process from Point/Station 102.000 to Point/Station 102.000
**** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
Time of concentration = 6.86 min.
Rainfall intensity = 3.020(In/Hr) for a 25.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.886
Subarea runoff = 2.995(CFS) for 1.160(Ac.)
Total runoff = 5.461(CFS)
Effective area this stream = 2.04(Ac.)
Total Study Area (Main Stream No. 1) = 2.04(Ac.)
Area averaged Fm value = 0.045(In/Hr)

Process from Point/Station 102.000 to Point/Station 103.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2935.500(Ft.)
Downstream point/station elevation = 2934.200(Ft.)
Pipe length = 250.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 5.461(CFS)
Nearest computed pipe diameter = 18.00(In.)
Calculated individual pipe flow = 5.461(CFS)
Normal flow depth in pipe = 11.32(In.)
Flow top width inside pipe = 17.39(In.)
Critical Depth = 10.81(In.)
Pipe flow velocity = 4.67(Ft/s)
Travel time through pipe = 0.89 min.
Time of concentration (TC) = 7.75 min.

Process from Point/Station 103.000 to Point/Station 103.000
**** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
Time of concentration = 7.75 min.
Rainfall intensity = 2.806(In/Hr) for a 25.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.885
Subarea runoff = 0.601(CFS) for 0.400(Ac.)
Total runoff = 6.062(CFS)
Effective area this stream = 2.44(Ac.)
Total Study Area (Main Stream No. 1) = 2.44(Ac.)
Area averaged Fm value = 0.045(In/Hr)

Process from Point/Station 103.000 to Point/Station 104.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2934.200(Ft.)
Downstream point/station elevation = 2933.700(Ft.)
Pipe length = 106.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 6.062(CFS)
Nearest computed pipe diameter = 18.00(In.)

Calculated individual pipe flow = 6.062(CFS)
Normal flow depth in pipe = 12.63(In.)
Flow top width inside pipe = 16.47(In.)
Critical Depth = 11.40(In.)
Pipe flow velocity = 4.57(Ft/s)
Travel time through pipe = 0.39 min.
Time of concentration (TC) = 8.14 min.

++++
Process from Point/Station 104.000 to Point/Station 104.000
**** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
Time of concentration = 8.14 min.
Rainfall intensity = 2.725(In/Hr) for a 25.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.885
Subarea runoff = 1.270(CFS) for 0.600(Ac.)
Total runoff = 7.333(CFS)
Effective area this stream = 3.04(Ac.)
Total Study Area (Main Stream No. 1) = 3.04(Ac.)
Area averaged Fm value = 0.045(In/Hr)

++++
Process from Point/Station 104.000 to Point/Station 105.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2933.700(Ft.)
Downstream point/station elevation = 2931.800(Ft.)
Pipe length = 67.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 7.333(CFS)
Nearest computed pipe diameter = 15.00(In.)
Calculated individual pipe flow = 7.333(CFS)
Normal flow depth in pipe = 9.02(In.)
Flow top width inside pipe = 14.69(In.)
Critical Depth = 12.96(In.)
Pipe flow velocity = 9.51(Ft/s)
Travel time through pipe = 0.12 min.
Time of concentration (TC) = 8.26 min.

++++
Process from Point/Station 105.000 to Point/Station 105.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 3.040(Ac.)
Runoff from this stream = 7.333(CFS)
Time of concentration = 8.26 min.
Rainfall intensity = 2.702(In/Hr)
Area averaged loss rate (Fm) = 0.0453(In/Hr)
Area averaged Pervious ratio (Ap) = 0.1000

++++
Process from Point/Station 106.000 to Point/Station 107.000
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00

Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
 Initial subarea data:
 Initial area flow distance = 283.000(Ft.)
 Top (of initial area) elevation = 2940.200(Ft.)
 Bottom (of initial area) elevation = 2935.800(Ft.)
 Difference in elevation = 4.400(Ft.)
 Slope = 0.01555 s(%)= 1.55
 $TC = k(0.304)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 6.687 min.
 Rainfall intensity = 3.066(In/Hr) for a 25.0 year storm
 Effective runoff coefficient used for area (Q=KCIA) is C = 0.887
 Subarea runoff = 2.800(CFS)
 Total initial stream area = 1.030(Ac.)
 Pervious area fraction = 0.100
 Initial area Fm value = 0.045(In/Hr)

+-----+
 Process from Point/Station 107.000 to Point/Station 105.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2932.800(Ft.)
 Downstream point/station elevation = 2931.800(Ft.)
 Pipe length = 196.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 2.800(CFS)
 Nearest computed pipe diameter = 15.00(In.)
 Calculated individual pipe flow = 2.800(CFS)
 Normal flow depth in pipe = 8.44(In.)
 Flow top width inside pipe = 14.88(In.)
 Critical Depth = 8.06(In.)
 Pipe flow velocity = 3.94(Ft/s)
 Travel time through pipe = 0.83 min.
 Time of concentration (TC) = 7.52 min.

+-----+
 Process from Point/Station 105.000 to Point/Station 105.000
 **** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
 Stream flow area = 1.030(Ac.)
 Runoff from this stream = 2.800(CFS)
 Time of concentration = 7.52 min.
 Rainfall intensity = 2.859(In/Hr)
 Area averaged loss rate (Fm) = 0.0453(In/Hr)
 Area averaged Pervious ratio (Ap) = 0.1000
 Summary of stream data:

Stream No.	Flow rate (CFS)	Area (Ac.)	TC (min)	Fm (In/Hr)	Rainfall Intensity (In/Hr)
1	7.33	3.040	8.26	0.045	2.702
2	2.80	1.030	7.52	0.045	2.859
Qmax(1) =					
	1.000 *	1.000 *		7.333) +	
	0.944 *	1.000 *		2.800) + =	9.977
Qmax(2) =					
	1.059 *	0.910 *		7.333) +	
	1.000 *	1.000 *		2.800) + =	9.869

Total of 2 streams to confluence:
 Flow rates before confluence point:
 7.333 2.800
 Maximum flow rates at confluence using above data:
 9.977 9.869
 Area of streams before confluence:
 3.040 1.030
 Effective area values after confluence:
 4.070 3.797
 Results of confluence:
 Total flow rate = 9.977(CFS)

Time of concentration = 8.256 min.
Effective stream area after confluence = 4.070(Ac.)
Study area average Pervious fraction(Ap) = 0.100
Study area average soil loss rate(Fm) = 0.045(In/Hr)
Study area total (this main stream) = 4.07(Ac.)

++++
Process from Point/Station 105.000 to Point/Station 108.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2931.800(Ft.)
Downstream point/station elevation = 2931.300(Ft.)
Pipe length = 96.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 9.977(CFS)
Nearest computed pipe diameter = 21.00(In.)
Calculated individual pipe flow = 9.977(CFS)
Normal flow depth in pipe = 15.19(In.)
Flow top width inside pipe = 18.79(In.)
Critical Depth = 14.13(In.)
Pipe flow velocity = 5.36(Ft/s)
Travel time through pipe = 0.30 min.
Time of concentration (TC) = 8.56 min.

++++
Process from Point/Station 108.000 to Point/Station 108.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 4.070(Ac.)
Runoff from this stream = 9.977(CFS)
Time of concentration = 8.56 min.
Rainfall intensity = 2.645(In/Hr)
Area averaged loss rate (Fm) = 0.0453(In/Hr)
Area averaged Pervious ratio (Ap) = 0.1000

++++
Process from Point/Station 109.000 to Point/Station 110.000
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.045(In/Hr)
Initial subarea data:
Initial area flow distance = 192.000(Ft.)
Top (of initial area) elevation = 2940.400(Ft.)
Bottom (of initial area) elevation = 2932.800(Ft.)
Difference in elevation = 7.600(Ft.)
Slope = 0.03958 s(%)= 3.96
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 4.750 min.
Rainfall intensity = 3.765(In/Hr) for a 25.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.889
Subarea runoff = 2.310(CFS)
Total initial stream area = 0.690(Ac.)
Pervious area fraction = 0.100
Initial area Fm value = 0.045(In/Hr)

++++
Process from Point/Station 110.000 to Point/Station 108.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2932.800(Ft.)
Downstream point/station elevation = 2931.300(Ft.)
Pipe length = 225.00(Ft.) Manning's N = 0.013

No. of pipes = 1 Required pipe flow = 2.310(CFS)
 Nearest computed pipe diameter = 12.00(In.)
 Calculated individual pipe flow = 2.310(CFS)
 Normal flow depth in pipe = 8.07(In.)
 Flow top width inside pipe = 11.26(In.)
 Critical Depth = 7.81(In.)
 Pipe flow velocity = 4.11(Ft/s)
 Travel time through pipe = 0.91 min.
 Time of concentration (TC) = 5.66 min.

 Process from Point/Station 108.000 to Point/Station 108.000
 **** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
 Stream flow area = 0.690(Ac.)
 Runoff from this stream = 2.310(CFS)
 Time of concentration = 5.66 min.
 Rainfall intensity = 3.388(In/Hr)
 Area averaged loss rate (Fm) = 0.0453(In/Hr)
 Area averaged Pervious ratio (Ap) = 0.1000
 Summary of stream data:

Stream No.	Flow rate (CFS)	Area (Ac.)	TC (min)	Fm (In/Hr)	Rainfall Intensity (In/Hr)
1	9.98	4.070	8.56	0.045	2.645
2	2.31	0.690	5.66	0.045	3.388
Qmax(1) =					
	1.000 *	1.000 *		9.977) +	
	0.778 *	1.000 *		2.310) + =	11.773
Qmax(2) =					
	1.286 *	0.662 *		9.977) +	
	1.000 *	1.000 *		2.310) + =	10.801

Total of 2 streams to confluence:
 Flow rates before confluence point:
 9.977 2.310
 Maximum flow rates at confluence using above data:
 11.773 10.801
 Area of streams before confluence:
 4.070 0.690
 Effective area values after confluence:
 4.760 3.384
 Results of confluence:
 Total flow rate = 11.773(CFS)
 Time of concentration = 8.555 min.
 Effective stream area after confluence = 4.760(Ac.)
 Study area average Pervious fraction(Ap) = 0.100
 Study area average soil loss rate(Fm) = 0.045(In/Hr)
 Study area total (this main stream) = 4.76(Ac.)

 Process from Point/Station 108.000 to Point/Station 111.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2931.300(Ft.)
 Downstream point/station elevation = 2931.000(Ft.)
 Pipe length = 56.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 11.773(CFS)
 Nearest computed pipe diameter = 24.00(In.)
 Calculated individual pipe flow = 11.773(CFS)
 Normal flow depth in pipe = 14.95(In.)
 Flow top width inside pipe = 23.26(In.)
 Critical Depth = 14.79(In.)
 Pipe flow velocity = 5.72(Ft/s)
 Travel time through pipe = 0.16 min.
 Time of concentration (TC) = 8.72 min.
 End of computations, Total Study Area = 4.76 (Ac.)

The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(A_p) = 0.100
Area averaged SCS curve number = 75.0

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2014 Version 9.0
Rational Hydrology Study Date: 08/21/18

CARMAX DEVELOPMENT
100-YEAR RATIONAL METHOD
POST-DEVELOPMENT
BY: ROLANDO H. ON 8/21/18

Program License Serial Number 6388

***** Hydrology Study Control Information *****

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.130 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

+++++
Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Adjusted SCS curve number for AMC 3 = 91.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.017(In/Hr)
Initial subarea data:
Initial area flow distance = 182.000(Ft.)
Top (of initial area) elevation = 2939.500(Ft.)
Bottom (of initial area) elevation = 2938.000(Ft.)
Difference in elevation = 1.500(Ft.)
Slope = 0.00824 s(%)= 0.82
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 6.364 min.
Rainfall intensity = 4.343(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.896
Subarea runoff = 3.426(CFS)
Total initial stream area = 0.880(Ac.)
Pervious area fraction = 0.100
Initial area Fm value = 0.017(In/Hr)

+++++
Process from Point/Station 101.000 to Point/Station 102.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2937.000(Ft.)
Downstream point/station elevation = 2935.500(Ft.)
Pipe length = 147.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 3.426(CFS)
Nearest computed pipe diameter = 12.00(In.)
Calculated individual pipe flow = 3.426(CFS)
Normal flow depth in pipe = 9.35(In.)
Flow top width inside pipe = 9.95(In.)
Critical Depth = 9.50(In.)
Pipe flow velocity = 5.22(Ft/s)
Travel time through pipe = 0.47 min.
Time of concentration (TC) = 6.83 min.

+++++
Process from Point/Station 102.000 to Point/Station 102.000
**** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Adjusted SCS curve number for AMC 3 = 91.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.017(In/Hr)
Time of concentration = 6.83 min.
Rainfall intensity = 4.161(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.896
Subarea runoff = 4.182(CFS) for 1.160(Ac.)
Total runoff = 7.608(CFS)
Effective area this stream = 2.04(Ac.)
Total Study Area (Main Stream No. 1) = 2.04(Ac.)
Area averaged Fm value = 0.017(In/Hr)

+++++
Process from Point/Station 102.000 to Point/Station 103.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2935.500(Ft.)
Downstream point/station elevation = 2934.200(Ft.)
Pipe length = 250.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 7.608(CFS)
Nearest computed pipe diameter = 21.00(In.)
Calculated individual pipe flow = 7.608(CFS)
Normal flow depth in pipe = 12.53(In.)
Flow top width inside pipe = 20.60(In.)
Critical Depth = 12.26(In.)
Pipe flow velocity = 5.08(Ft/s)
Travel time through pipe = 0.82 min.
Time of concentration (TC) = 7.65 min.

+++++
Process from Point/Station 103.000 to Point/Station 103.000
**** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Adjusted SCS curve number for AMC 3 = 91.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.017(In/Hr)
Time of concentration = 7.65 min.
Rainfall intensity = 3.888(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.896
Subarea runoff = 0.891(CFS) for 0.400(Ac.)
Total runoff = 8.499(CFS)
Effective area this stream = 2.44(Ac.)
Total Study Area (Main Stream No. 1) = 2.44(Ac.)
Area averaged Fm value = 0.017(In/Hr)

+++++
Process from Point/Station 103.000 to Point/Station 104.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2934.200(Ft.)
Downstream point/station elevation = 2933.700(Ft.)

Pipe length = 106.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 8.499(CFS)
Nearest computed pipe diameter = 21.00(In.)
Calculated individual pipe flow = 8.499(CFS)
Normal flow depth in pipe = 13.97(In.)
Flow top width inside pipe = 19.82(In.)
Critical Depth = 12.98(In.)
Pipe flow velocity = 5.00(Ft/s)
Travel time through pipe = 0.35 min.
Time of concentration (TC) = 8.01 min.

++++
Process from Point/Station 104.000 to Point/Station 104.000
**** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Adjusted SCS curve number for AMC 3 = 91.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.017(In/Hr)
Time of concentration = 8.01 min.
Rainfall intensity = 3.784(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.896
Subarea runoff = 1.806(CFS) for 0.600(Ac.)
Total runoff = 10.305(CFS)
Effective area this stream = 3.04(Ac.)
Total Study Area (Main Stream No. 1) = 3.04(Ac.)
Area averaged Fm value = 0.017(In/Hr)

++++
Process from Point/Station 104.000 to Point/Station 105.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2933.700(Ft.)
Downstream point/station elevation = 2931.800(Ft.)
Pipe length = 67.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 10.305(CFS)
Nearest computed pipe diameter = 15.00(In.)
Calculated individual pipe flow = 10.305(CFS)
Normal flow depth in pipe = 11.65(In.)
Flow top width inside pipe = 12.50(In.)
Critical depth could not be calculated.
Pipe flow velocity = 10.09(Ft/s)
Travel time through pipe = 0.11 min.
Time of concentration (TC) = 8.12 min.

++++
Process from Point/Station 105.000 to Point/Station 105.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 3.040(Ac.)
Runoff from this stream = 10.305(CFS)
Time of concentration = 8.12 min.
Rainfall intensity = 3.753(In/Hr)
Area averaged loss rate (Fm) = 0.0174(In/Hr)
Area averaged Pervious ratio (Ap) = 0.1000

++++
Process from Point/Station 106.000 to Point/Station 107.000
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000

Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 SCS curve number for soil(AMC 2) = 75.00
 Adjusted SCS curve number for AMC 3 = 91.00
 Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.017(In/Hr)
 Initial subarea data:
 Initial area flow distance = 283.000(Ft.)
 Top (of initial area) elevation = 2940.200(Ft.)
 Bottom (of initial area) elevation = 2935.800(Ft.)
 Difference in elevation = 4.400(Ft.)
 Slope = 0.01555 s(%)= 1.55
 $TC = k(0.304)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 6.687 min.
 Rainfall intensity = 4.215(In/Hr) for a 100.0 year storm
 Effective runoff coefficient used for area (Q=KCIA) is C = 0.896
 Subarea runoff = 3.891(CFS)
 Total initial stream area = 1.030(Ac.)
 Pervious area fraction = 0.100
 Initial area Fm value = 0.017(In/Hr)

+-----+
 Process from Point/Station 107.000 to Point/Station 105.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2932.800(Ft.)
 Downstream point/station elevation = 2931.800(Ft.)
 Pipe length = 196.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 3.891(CFS)
 Nearest computed pipe diameter = 15.00(In.)
 Calculated individual pipe flow = 3.891(CFS)
 Normal flow depth in pipe = 10.56(In.)
 Flow top width inside pipe = 13.70(In.)
 Critical Depth = 9.57(In.)
 Pipe flow velocity = 4.22(Ft/s)
 Travel time through pipe = 0.77 min.
 Time of concentration (TC) = 7.46 min.

+-----+
 Process from Point/Station 105.000 to Point/Station 105.000
 **** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
 Stream flow area = 1.030(Ac.)
 Runoff from this stream = 3.891(CFS)
 Time of concentration = 7.46 min.
 Rainfall intensity = 3.947(In/Hr)
 Area averaged loss rate (Fm) = 0.0174(In/Hr)
 Area averaged Pervious ratio (Ap) = 0.1000
 Summary of stream data:

Stream No.	Flow rate (CFS)	Area (Ac.)	TC (min)	Fm (In/Hr)	Rainfall Intensity (In/Hr)
1	10.30	3.040	8.12	0.017	3.753
2	3.89	1.030	7.46	0.017	3.947
Qmax(1) =					
	1.000 *	1.000 *	10.305) +		
	0.951 *	1.000 *	3.891) + =		14.004
Qmax(2) =					
	1.052 *	0.919 *	10.305) +		
	1.000 *	1.000 *	3.891) + =		13.858

Total of 2 streams to confluence:
 Flow rates before confluence point:
 10.305 3.891
 Maximum flow rates at confluence using above data:
 14.004 13.858
 Area of streams before confluence:

3.040 1.030
Effective area values after confluence:
4.070 3.825

Results of confluence:
Total flow rate = 14.004(CFS)
Time of concentration = 8.117 min.
Effective stream area after confluence = 4.070(Ac.)
Study area average Pervious fraction(Ap) = 0.100
Study area average soil loss rate(Fm) = 0.017(In/Hr)
Study area total (this main stream) = 4.07(Ac.)

Process from Point/Station 105.000 to Point/Station 108.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2931.800(Ft.)
Downstream point/station elevation = 2931.300(Ft.)
Pipe length = 96.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 14.004(CFS)
Nearest computed pipe diameter = 24.00(In.)
Calculated individual pipe flow = 14.004(CFS)
Normal flow depth in pipe = 17.11(In.)
Flow top width inside pipe = 21.72(In.)
Critical Depth = 16.18(In.)
Pipe flow velocity = 5.84(Ft/s)
Travel time through pipe = 0.27 min.
Time of concentration (TC) = 8.39 min.

Process from Point/Station 108.000 to Point/Station 108.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 4.070(Ac.)
Runoff from this stream = 14.004(CFS)
Time of concentration = 8.39 min.
Rainfall intensity = 3.679(In/Hr)
Area averaged loss rate (Fm) = 0.0174(In/Hr)
Area averaged Pervious ratio (Ap) = 0.1000

Process from Point/Station 109.000 to Point/Station 110.000
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
SCS curve number for soil(AMC 2) = 75.00
Adjusted SCS curve number for AMC 3 = 91.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.017(In/Hr)
Initial subarea data:
Initial area flow distance = 192.000(Ft.)
Top (of initial area) elevation = 2940.400(Ft.)
Bottom (of initial area) elevation = 2932.800(Ft.)
Difference in elevation = 7.600(Ft.)
Slope = 0.03958 s(%)= 3.96
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 4.750 min.
Rainfall intensity = 5.176(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.897
Subarea runoff = 3.203(CFS)
Total initial stream area = 0.690(Ac.)
Pervious area fraction = 0.100
Initial area Fm value = 0.017(In/Hr)

Process from Point/Station 110.000 to Point/Station 108.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2932.800(Ft.)
 Downstream point/station elevation = 2931.300(Ft.)
 Pipe length = 225.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 3.203(CFS)
 Nearest computed pipe diameter = 15.00(In.)
 Calculated individual pipe flow = 3.203(CFS)
 Normal flow depth in pipe = 8.44(In.)
 Flow top width inside pipe = 14.88(In.)
 Critical Depth = 8.65(In.)
 Pipe flow velocity = 4.51(Ft/s)
 Travel time through pipe = 0.83 min.
 Time of concentration (TC) = 5.58 min.

Process from Point/Station 108.000 to Point/Station 108.000
 **** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
 Stream flow area = 0.690(Ac.)
 Runoff from this stream = 3.203(CFS)
 Time of concentration = 5.58 min.
 Rainfall intensity = 4.698(In/Hr)
 Area averaged loss rate (Fm) = 0.0174(In/Hr)
 Area averaged Pervious ratio (Ap) = 0.1000
 Summary of stream data:

Stream No.	Flow rate (CFS)	Area (Ac.)	TC (min)	Fm (In/Hr)	Rainfall Intensity (In/Hr)
1	14.00	4.070	8.39	0.017	3.679
2	3.20	0.690	5.58	0.017	4.698
Qmax(1) =					
	1.000 *	1.000 *	14.004)	+	
	0.782 *	1.000 *	3.203)	+	16.510
Qmax(2) =					
	1.278 *	0.665 *	14.004)	+	
	1.000 *	1.000 *	3.203)	+	15.113

Total of 2 streams to confluence:
 Flow rates before confluence point:
 14.004 3.203
 Maximum flow rates at confluence using above data:
 16.510 15.113
 Area of streams before confluence:
 4.070 0.690
 Effective area values after confluence:
 4.760 3.398
 Results of confluence:
 Total flow rate = 16.510(CFS)
 Time of concentration = 8.390 min.
 Effective stream area after confluence = 4.760(Ac.)
 Study area average Pervious fraction(Ap) = 0.100
 Study area average soil loss rate(Fm) = 0.017(In/Hr)
 Study area total (this main stream) = 4.76(Ac.)

Process from Point/Station 108.000 to Point/Station 111.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 2931.300(Ft.)
 Downstream point/station elevation = 2931.000(Ft.)
 Pipe length = 56.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 16.510(CFS)
 Nearest computed pipe diameter = 24.00(In.)
 Calculated individual pipe flow = 16.510(CFS)
 Normal flow depth in pipe = 19.59(In.)

Flow top width inside pipe = 18.58(In.)
Critical Depth = 17.57(In.)
Pipe flow velocity = 6.01(Ft/s)
Travel time through pipe = 0.16 min.
Time of concentration (TC) = 8.55 min.
End of computations, Total Study Area = 4.76 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(A_p) = 0.100
Area averaged SCS curve number = 75.0

Appendix E
Rainfall Intensity Data



NOAA Atlas 14, Volume 6, Version 2
Location name: Victorville, California, USA*
Latitude: 34.5194°, Longitude: -117.3218°
Elevation: 2942.7 ft**
 * source: ESRI Maps
 ** source: USGS



POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

[PF tabular](#) | [PF graphical](#) | [Maps & aerials](#)

PF tabular

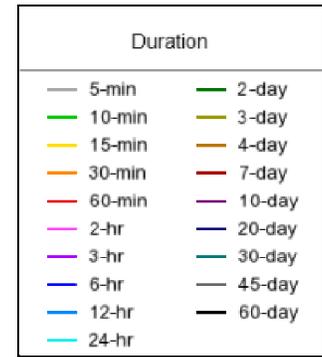
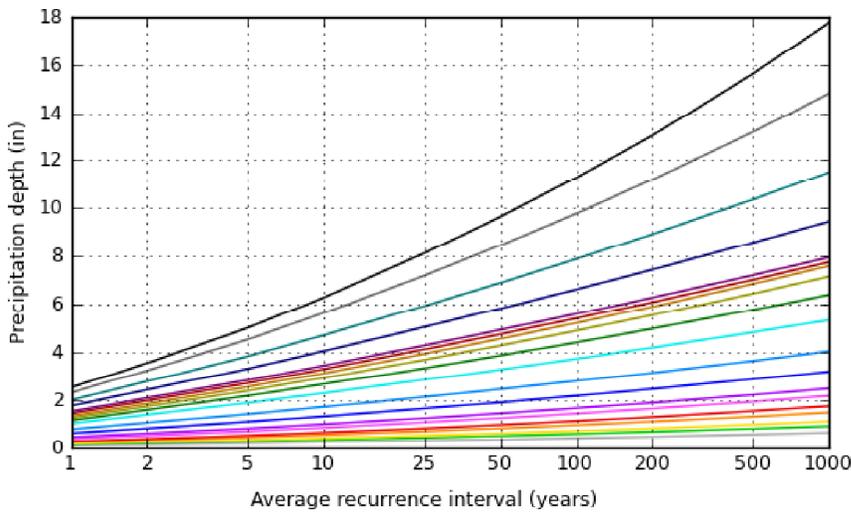
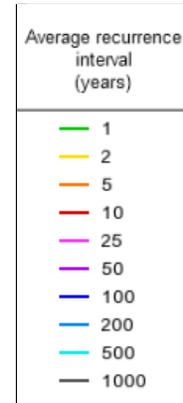
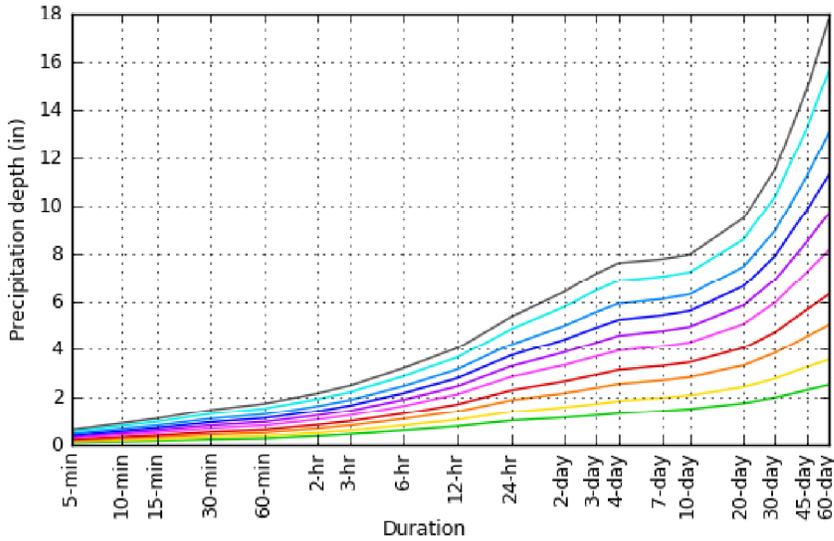
PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.101 (0.083-0.123)	0.138 (0.114-0.169)	0.190 (0.156-0.233)	0.235 (0.192-0.291)	0.300 (0.237-0.384)	0.353 (0.273-0.462)	0.411 (0.310-0.550)	0.473 (0.347-0.651)	0.564 (0.397-0.809)	0.639 (0.435-0.949)
10-min	0.144 (0.119-0.176)	0.197 (0.163-0.242)	0.272 (0.224-0.334)	0.336 (0.275-0.417)	0.430 (0.339-0.550)	0.506 (0.391-0.662)	0.589 (0.444-0.788)	0.678 (0.498-0.934)	0.808 (0.569-1.16)	0.916 (0.623-1.36)
15-min	0.174 (0.144-0.213)	0.239 (0.197-0.293)	0.329 (0.271-0.404)	0.407 (0.332-0.504)	0.520 (0.410-0.665)	0.612 (0.473-0.800)	0.712 (0.537-0.953)	0.820 (0.602-1.13)	0.977 (0.688-1.40)	1.11 (0.754-1.64)
30-min	0.234 (0.193-0.286)	0.321 (0.265-0.393)	0.442 (0.364-0.543)	0.547 (0.446-0.677)	0.698 (0.551-0.894)	0.823 (0.636-1.08)	0.957 (0.722-1.28)	1.10 (0.809-1.52)	1.31 (0.925-1.88)	1.49 (1.01-2.21)
60-min	0.276 (0.228-0.337)	0.378 (0.312-0.463)	0.520 (0.428-0.639)	0.643 (0.525-0.797)	0.822 (0.649-1.05)	0.968 (0.749-1.26)	1.13 (0.850-1.51)	1.30 (0.952-1.79)	1.55 (1.09-2.22)	1.75 (1.19-2.60)
2-hr	0.384 (0.317-0.470)	0.514 (0.424-0.630)	0.695 (0.571-0.853)	0.849 (0.693-1.05)	1.07 (0.845-1.37)	1.25 (0.967-1.63)	1.44 (1.09-1.93)	1.65 (1.21-2.27)	1.94 (1.37-2.79)	2.19 (1.49-3.24)
3-hr	0.458 (0.378-0.561)	0.610 (0.503-0.747)	0.818 (0.673-1.00)	0.995 (0.812-1.23)	1.25 (0.985-1.60)	1.45 (1.12-1.90)	1.67 (1.26-2.23)	1.90 (1.39-2.61)	2.23 (1.57-3.20)	2.49 (1.70-3.70)
6-hr	0.618 (0.510-0.756)	0.820 (0.677-1.00)	1.10 (0.901-1.35)	1.33 (1.08-1.64)	1.65 (1.31-2.12)	1.91 (1.48-2.50)	2.19 (1.65-2.93)	2.48 (1.82-3.41)	2.88 (2.03-4.14)	3.21 (2.19-4.77)
12-hr	0.788 (0.650-0.963)	1.06 (0.873-1.30)	1.42 (1.17-1.74)	1.72 (1.40-2.13)	2.14 (1.69-2.74)	2.47 (1.91-3.22)	2.81 (2.12-3.76)	3.16 (2.32-4.35)	3.65 (2.57-5.24)	4.05 (2.75-6.01)
24-hr	1.02 (0.906-1.18)	1.40 (1.24-1.61)	1.89 (1.67-2.19)	2.30 (2.01-2.68)	2.86 (2.42-3.44)	3.29 (2.73-4.05)	3.74 (3.03-4.71)	4.20 (3.31-5.44)	4.84 (3.66-6.53)	5.34 (3.90-7.46)
2-day	1.15 (1.02-1.33)	1.60 (1.41-1.84)	2.19 (1.93-2.53)	2.68 (2.34-3.12)	3.35 (2.84-4.03)	3.88 (3.22-4.76)	4.42 (3.58-5.57)	4.99 (3.93-6.46)	5.77 (4.36-7.79)	6.40 (4.67-8.93)
3-day	1.25 (1.11-1.44)	1.74 (1.54-2.01)	2.40 (2.12-2.77)	2.94 (2.58-3.43)	3.70 (3.14-4.45)	4.29 (3.56-5.28)	4.91 (3.97-6.18)	5.55 (4.37-7.19)	6.44 (4.87-8.70)	7.15 (5.23-9.99)
4-day	1.33 (1.18-1.53)	1.86 (1.65-2.14)	2.56 (2.26-2.96)	3.14 (2.75-3.66)	3.94 (3.34-4.75)	4.57 (3.79-5.62)	5.22 (4.23-6.58)	5.90 (4.65-7.64)	6.84 (5.17-9.24)	7.59 (5.55-10.6)
7-day	1.44 (1.28-1.66)	1.99 (1.76-2.30)	2.72 (2.40-3.14)	3.31 (2.90-3.86)	4.13 (3.50-4.97)	4.76 (3.95-5.86)	5.41 (4.39-6.82)	6.09 (4.80-7.89)	7.02 (5.31-9.48)	7.75 (5.66-10.8)
10-day	1.53 (1.36-1.76)	2.10 (1.86-2.42)	2.85 (2.51-3.29)	3.46 (3.03-4.03)	4.29 (3.64-5.17)	4.94 (4.10-6.07)	5.60 (4.53-7.05)	6.28 (4.95-8.13)	7.21 (5.45-9.74)	7.94 (5.80-11.1)
20-day	1.77 (1.57-2.04)	2.44 (2.16-2.81)	3.33 (2.94-3.85)	4.06 (3.55-4.72)	5.05 (4.28-6.09)	5.83 (4.84-7.16)	6.62 (5.36-8.34)	7.44 (5.86-9.64)	8.56 (6.47-11.6)	9.44 (6.90-13.2)
30-day	2.01 (1.78-2.31)	2.79 (2.47-3.22)	3.84 (3.40-4.44)	4.72 (4.13-5.50)	5.94 (5.03-7.15)	6.89 (5.72-8.47)	7.88 (6.38-9.93)	8.92 (7.03-11.6)	10.4 (7.83-14.0)	11.5 (8.39-16.1)
45-day	2.32 (2.06-2.67)	3.26 (2.88-3.75)	4.54 (4.01-5.25)	5.64 (4.94-6.57)	7.20 (6.10-8.66)	8.45 (7.01-10.4)	9.77 (7.92-12.3)	11.2 (8.81-14.5)	13.2 (9.97-17.8)	14.8 (10.8-20.7)
60-day	2.53 (2.25-2.92)	3.57 (3.16-4.11)	5.02 (4.43-5.80)	6.28 (5.50-7.32)	8.12 (6.88-9.78)	9.64 (8.00-11.8)	11.3 (9.13-14.2)	13.0 (10.3-16.9)	15.6 (11.8-21.1)	17.7 (13.0-24.8)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS). Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

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PF graphical

PDS-based depth-duration-frequency (DDF) curves
 Latitude: 34.5194°, Longitude: -117.3218°



Maps & aeri

Small scale terrain



Large scale terrain



Large scale map



Large scale aerial



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Appendix F

Soils Map

Soil Map—San Bernardino County, California, Mojave River Area



Soil Map may not be valid at this scale.

Map Scale: 1:1,570 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Bernardino County, California, Mojave River Area

Survey Area Data: Version 9, Sep 11, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 1, 2015—Feb 4, 2015

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
106	BRYMAN LOAMY FINE SAND, 2 TO 5 PERCENT SLOPES	1.8	25.4%
120	CAVE LOAM, DRY, 0 TO 2 PERCENT SLOPES	1.2	17.2%
132	HELENDALE LOAMY SAND, 2 TO 5 PERCENT SLOPES	4.1	57.4%
Totals for Area of Interest		7.2	100.0%