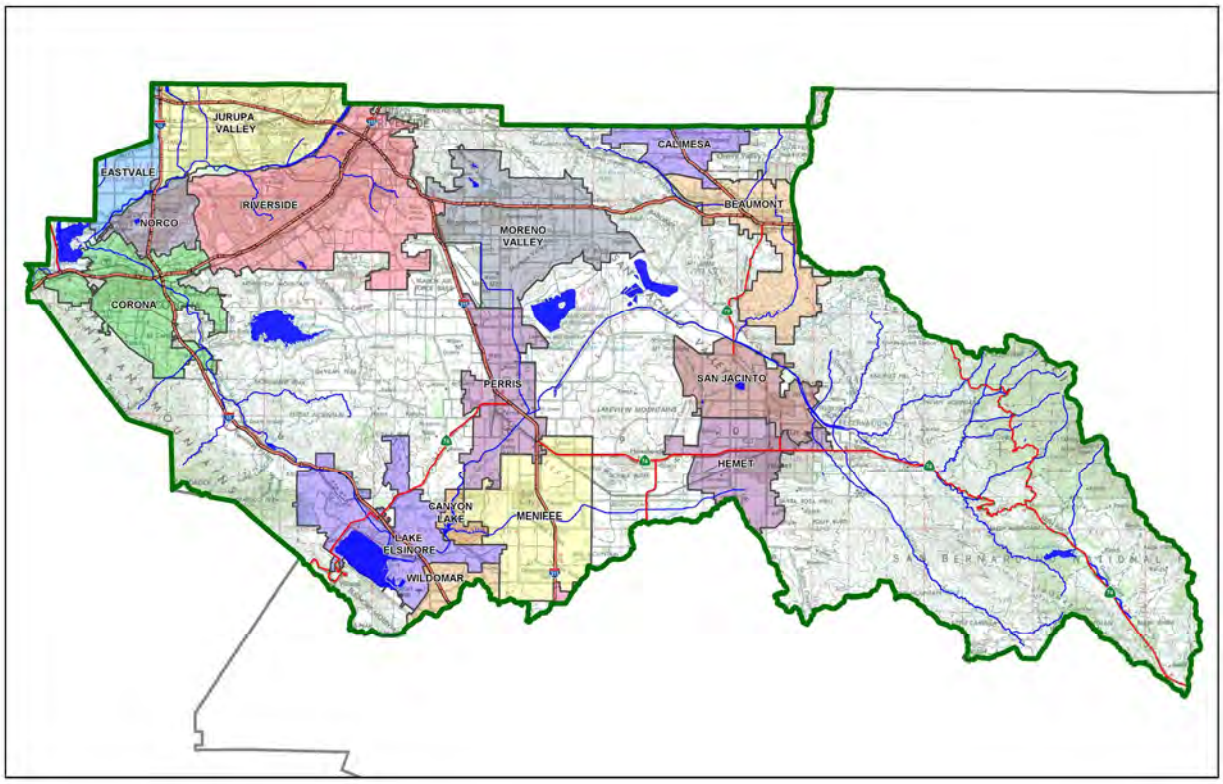
Project Specific Water Quality Management Plan

*A Template for Projects located within the **Santa Ana Watershed** Region of Riverside County*

Project Title: Honda Center

Development No: PA 2017-74

Design Review/Case No: PA 2017-74 / PWQMP - 2017-00017



☒ **Preliminary**
☐ **Final**

Original Date Prepared: 12/18/2017

Revision Date(s): 4/18/2018

Prepared for Compliance with
Regional Board Order No. **R8-2010-0033**

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Aaron Cook, Project Manager

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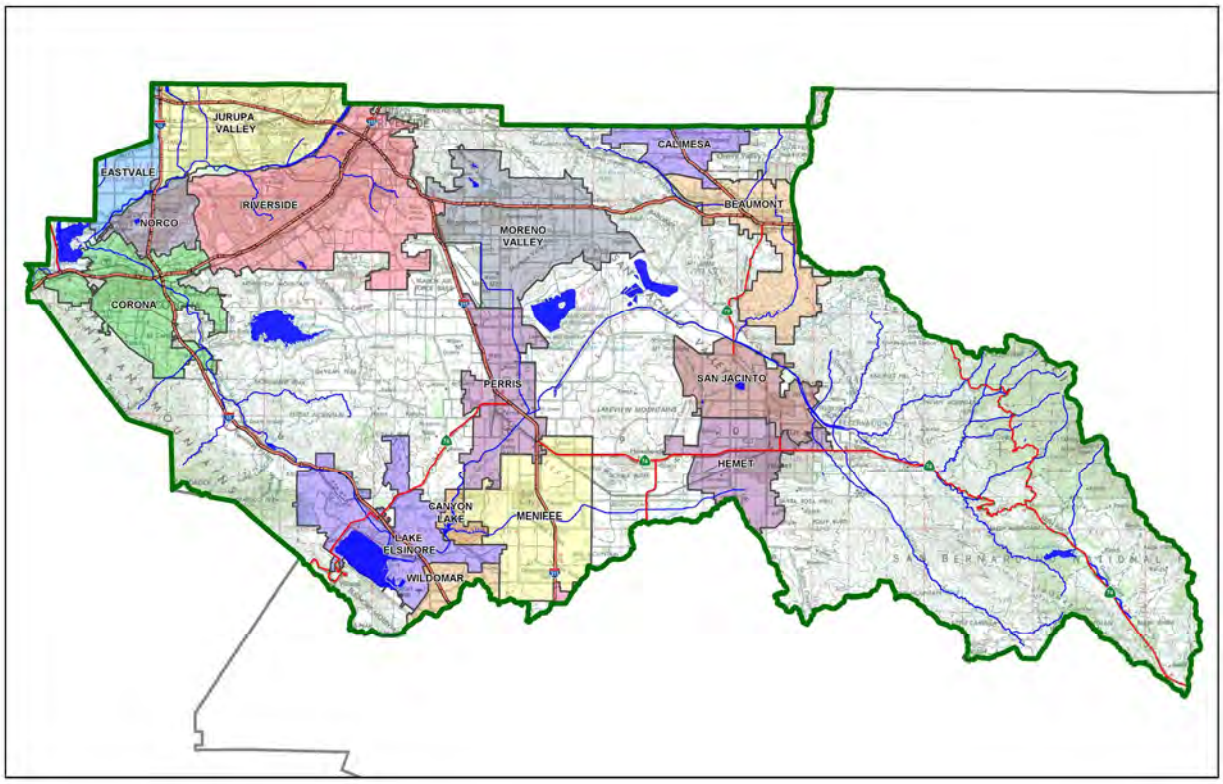

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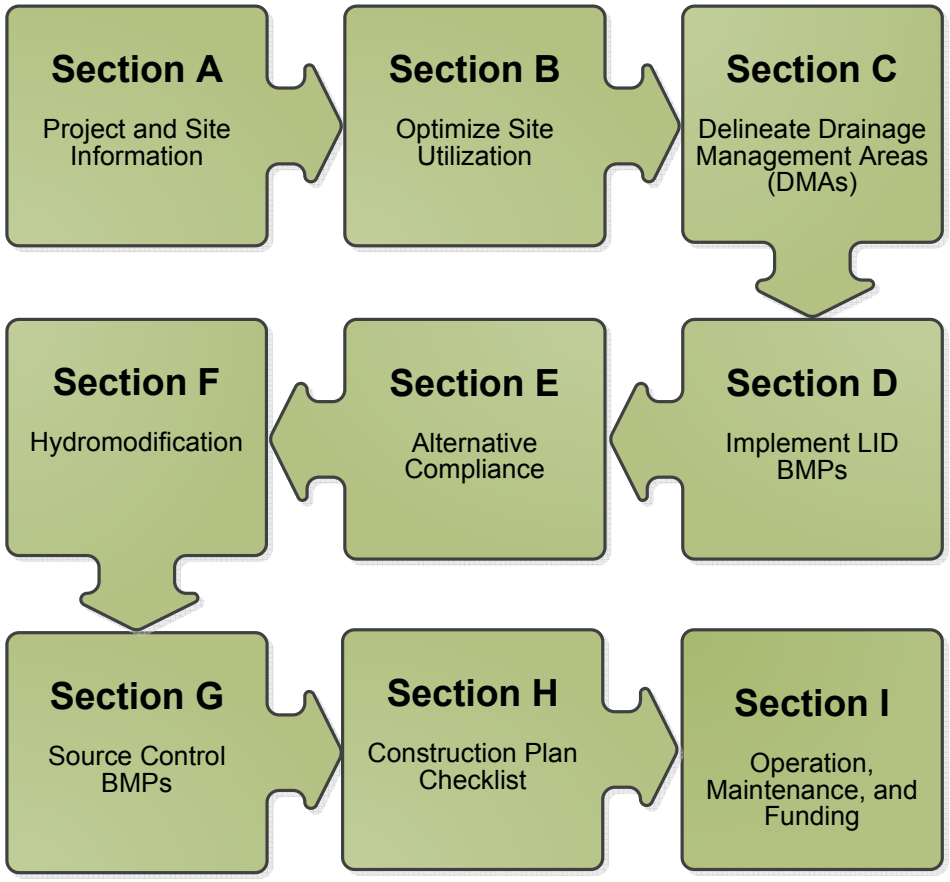
A Brief Introduction

This Project-Specific WQMP Template for the **Santa Ana Region** has been prepared to help guide you in documenting compliance for your project. Because this document has been designed to specifically document compliance, you will need to utilize the WQMP Guidance Document as your "how-to" manual to help guide you through this process. Both the Template and Guidance Document go hand-in-hand, and will help facilitate a well prepared Project-Specific WQMP. Below is a flowchart for the layout of this Template that will provide the steps required to document compliance.



OWNER'S CERTIFICATION

This Project-Specific Water Quality Management Plan (WQMP) has been prepared for SRZ Yuma, LLC by David Evans and Associates .Inc for the Honda Center project.

This WQMP is intended to comply with the requirements of the City of Lake Elsinore which includes the requirement for the preparation and implementation of a Project-Specific WQMP.

The undersigned, while owning the property/project described in the preceding paragraph, shall be responsible for the implementation and funding of this WQMP and will ensure that this WQMP is amended as appropriate to reflect up-to-date conditions on the site. In addition, the property owner accepts responsibility for interim operation and maintenance of Stormwater BMPs until such time as this responsibility is formally transferred to a subsequent owner. This WQMP will be reviewed with the facility operator, facility supervisors, employees, tenants, maintenance and service contractors, or any other party (or parties) having responsibility for implementing portions of this WQMP. At least one copy of this WQMP will be maintained at the project site or project office in perpetuity. The undersigned is authorized to certify and to approve implementation of this WQMP. The undersigned is aware that implementation of this WQMP is enforceable under City of Lake Elsinore Water Quality Ordinance (Municipal Code Section 14.08).

"I, the undersigned, certify under penalty of law that the provisions of this WQMP have been reviewed and accepted and that the WQMP will be transferred to future successors in interest."

Owner's Signature

4/3/2018
Date

Robert Zamora
Owner's Printed Name

President
Owner's Title/Position

PREPARER'S CERTIFICATION

"The selection, sizing and design of stormwater treatment and other stormwater quality and quantity control measures in this plan meet the requiprements of Regional Water Quality Control Board Order No. **R8-2010-0033** and any subsequent amendments thereto."

Preparer's Signature

4/3/2018
Date

Aaron Cook
Preparer's Printed Name

Project Manager, P.E.
Preparer's Title/Position

Preparer's Licensure:

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Section A: Project and Site Information

PROJECT INFORMATION	
Type of Project:	Commercial
Planning Area:	C2 - General Commercial
Community Name:	City of Lake Elsinore
Development Name:	Honda Center

PROJECT LOCATION

Latitude & Longitude (DMS): Lat: 33°41'16.73"N Long: 117°20'27.46"W

Project Watershed and Sub-Watershed: Santa Ana Watershed and San Jacinto River Sub-Watershed

APN(s): 377-080-057-3, 377-080-053-9, 377-080-052

Map Book and Page No.: MB 13/620

PROJECT CHARACTERISTICS	
Proposed or Potential Land Use(s)	Commercial Development, Retail
Proposed or Potential SIC Code(s)	5511
Area of Impervious Project Footprint (SF)	253,650 Sqft
Total Area of proposed Impervious Surfaces within the Project Limits (SF)/or Replacement	253,650 Sqft
Does the project consist of offsite road improvements?	☒ Y ☐ N
Does the project propose to construct unpaved roads?	☐ Y ☒ N
Is the project part of a larger common plan of development (phased project)?	☐ Y ☒ N
EXISTING SITE CHARACTERISTICS	
Total area of existing Impervious Surfaces within the project limits (SF)	3,101 Sqft
Is the project located within any MSHCP Criteria Cell?	☐ Y ☒ N
If so, identify the Cell number:	N/A
Are there any natural hydrologic features on the project site?	☒ Y ☐ N
Is a Geotechnical Report attached?	☒ Y ☐ N
If no Geotech. Report, list the NRCS soils type(s) present on the site (A, B, C and/or D)	B
What is the Water Quality Design Storm Depth for the project?	0.68 in

The Honda Center project is a 281,833-sqft Commercial Car Retailer Development located in the City of Lake Elsinore. The natural onsite drainage flows to the south on to Collier Avenue. The existing condition of the site has a relatively flat slope of 2%, with little to no vegetative cover, which is unevenly spread over the open space. Existing infrastructure includes 2 highway billboards and an outlet 54" storm drain on the east project boundary near the freeway, a concrete pad on the west, a retaining wall on the south west corner and a pump station outside the south boundary. Additionally, a parcel approximately 0.15 acres in size, sits in the southwest corner of the project. The parcel contains a wing wall and riprap pad, which establishes the entrance of an existing double 14'x4.5' RCB into the 3rd street channel, owned by the Riverside County Flood Control. Future plans for this parcel includes the construction of a 6'x10' RCB that will connect to the existing double 14'x4.5' RCB.

In the proposed condition, the project drainage pattern will ultimately follow the existing condition. Storm water will generally carry runoff to the west side of the project as overland flow and directed into 2 proposed bio-retention basins. The bio-retention basins will then discharge storm water through the onsite storm drain system and connect with the future storm drain on Collier Avenue, to the 3rd street channel and finally, into Lake Elsinore. Offsite Caltrans flows in the projects northerly boundary will be diverted to the east, through a proposed rectangular channel that will connect to the future box culvert storm drain that runs through the project on the east boundary and join the onsite flows to Lake Elsinore.

A.1 Maps and Site Plans

When completing your Project-Specific WQMP, include a map of the local vicinity and existing site. In addition, include all grading, drainage, landscape/plant palette and other pertinent construction plans in Appendix 2. At a **minimum**, your WQMP Site Plan should include the following:

- Drainage Management Areas
- Proposed Structural BMPs
- Drainage Path
- Drainage Infrastructure, Inlets, Overflows
- Source Control BMPs
- Buildings, Roof Lines, Downspouts
- Impervious Surfaces
- Standard Labeling

Use your discretion on whether or not you may need to create multiple sheets or can appropriately accommodate these features on one or two sheets. Keep in mind that the Co-Permittee plan reviewer must be able to easily analyze your project utilizing this template and its associated site plans and maps.

A.2 Identify Receiving Waters

Using Table A.1 below, list in order of upstream to downstream, the receiving waters that the project site is tributary to. Continue to fill each row with the Receiving Water's 303(d) listed impairments (if any), designated beneficial uses, and proximity, if any, to a RARE beneficial use. Include a map of the receiving waters in Appendix 1.

Table A.1 Identification of Receiving Waters

Receiving Waters	EPA Approved 303(d) List Impairments	Designated Beneficial Uses	Proximity to RARE Beneficial Use
Lake Elsinore	Nutrients, Organic Enrichment/Dissolved Oxygen, PCBs, Sediment Toxicity, Unknown Toxicity	Recreational, fish and wildlife habitat	Not Applicable

A.3 Additional Permits/Approvals required for the Project:

Table A.2 Other Applicable Permits

Agency	Permit Required	
State Department of Fish and Game, 1602 Streambed Alteration Agreement	☐ Y	☒ N
State Water Resources Control Board, Clean Water Act (CWA) Section 401 Water Quality Cert.	☐ Y	☒ N
US Army Corps of Engineers, CWA Section 404 Permit	☐ Y	☒ N
US Fish and Wildlife, Endangered Species Act Section 7 Biological Opinion	☐ Y	☒ N
Statewide Construction General Permit Coverage	☒ Y	☐ N
Statewide Industrial General Permit Coverage	☐ Y	☒ N
Western Riverside MSHCP Consistency Approval (e.g., JPR, DBESP)	☐ Y	☒ N
Other *(please list in the space below as required)* Caltrans Permit	☐ Y	☒ N
City Grading Permit	☒ Y	☐ N
City Building Permit	☒ Y	☐ N
Riverside County Flood Control and Water Conservation District	☒ Y	☐ N

If yes is answered to any of the questions above, the Co-Permittee may require proof of approval/coverage from those agencies as applicable including documentation of any associated requirements that may affect this Project-Specific WQMP.

Section B: Optimize Site Utilization (LID Principles)

Review of the information collected in Section 'A' will aid in identifying the principal constraints on site design and selection of LID BMPs as well as opportunities to reduce imperviousness and incorporate LID Principles into the site and landscape design. For example, **constraints** might include impermeable soils, high groundwater, groundwater pollution or contaminated soils, steep slopes, geotechnical instability, high-intensity land use, heavy pedestrian or vehicular traffic, utility locations or safety concerns. **Opportunities** might include existing natural areas, low areas, oddly configured or otherwise unbuildable parcels, easements and landscape amenities including open space and buffers (which can double as locations for bioretention BMPs), and differences in elevation (which can provide hydraulic head). Prepare a brief narrative for each of the site optimization strategies described below. This narrative will help you as you proceed with your LID design and explain your design decisions to others.

The 2010 Santa Ana MS4 Permit further requires that LID Retention BMPs (Infiltration Only or Harvest and Use) be used unless it can be shown that those BMPs are infeasible. Therefore, it is important that your narrative identify and justify if there are any constraints that would prevent the use of those categories of LID BMPs. Similarly, you should also note opportunities that exist which will be utilized during project design. Upon completion of identifying Constraints and Opportunities, include these on your WQMP Site plan in Appendix 1.

Site Optimization

The following questions are based upon Section 3.2 of the WQMP Guidance Document. Review of the WQMP Guidance Document will help you determine how best to optimize your site and subsequently identify opportunities and/or constraints, and document compliance.

Did you identify and preserve existing drainage patterns? If so, how? If not, why?

Yes. Drainage patterns will be maintained to match existing condition to minimize any downstream impacts.

Did you identify and protect existing vegetation? If so, how? If not, why?

No. Due to the nature of the project, existing vegitation will be removed. However, replacment landscape is proposed in the project.

Did you identify and preserve natural infiltration capacity? If so, how? If not, why?

Yes. The project site will preserve pervious areas to the maximum extent practical, therefore, maximizing the natural infiltration of the site.

Did you identify and minimize impervious area? If so, how? If not, why?

Impervious areas were minimized to the maximum extent feasible.

Did you identify and disperse runoff to adjacent pervious areas? If so, how? If not, why?

Yes. Impervious areas will direct runoff to pervious areas and/or LID BMP's to the maximum extent practicable.

Section C: Delineate Drainage Management Areas (DMAs)

Utilizing the procedure in Section 3.3 of the WQMP Guidance Document which discusses the methods of delineating and mapping your project site into individual DMAs, complete Table C.1 below to appropriately categorize the types of classification (e.g., Type A, Type B, etc.) per DMA for your project site. Upon completion of this table, this information will then be used to populate and tabulate the corresponding tables for their respective DMA classifications.

Table C.1 DMA Classifications

DMA Name or ID	Surface Type(s)[1]	Area (Sq. Ft.)	DMA Type
DMA A	Mixed Surface	*72,745*	*Type D*
DMA B	Mixed Surface	*209,088*	*Type D*

[1]*Reference Table 2-1 in the WQMP Guidance Document to populate this column*

Table C.2 Type 'A', Self-Treating Areas

DMA Name or ID	Area (Sq. Ft.)	Stabilization Type	Irrigation Type (if any)

Table C.3 Type 'B', Self-Retaining Areas

Self-Retaining Area				**Type 'C' DMAs that are draining to the Self-Retaining Area**		
DMA Name/ ID	Post-project surface type	Area (square feet) [A]	Storm Depth (inches) [B]	DMA Name / ID	[C] from Table C.4 = [C]	Required Retention Depth (inches) [D]

$$[D] = [B] + \frac{[B]\cdot[C]}{[A]}$$

Table C.4 Type 'C', Areas that Drain to Self-Retaining Areas

DMA					Receiving Self-Retaining DMA		
DMA Name/ ID	Area (square feet)	Post-project surface type	Runoff factor	Product			
	[A]		[B]	[C] = [A] x [B]	DMA name /ID	[D]	[C]/[D]

Table C.5 Type 'D', Areas Draining to BMPs

DMA Name or ID	BMP Name or ID
DMA A	*BMP A – Bioretention Basin with underdrain*
DMA B	*BMP B – Bioretention Basin with underdrain*

Note: More than one drainage management area can drain to a single LID BMP, however, one drainage management area may not drain to more than one BMP.

Section D: Implement LID BMPs

D.1 Infiltration Applicability

Is there an approved downstream 'Highest and Best Use' for stormwater runoff (see discussion in Chapter 2.4.4 of the WQMP Guidance Document for further details)? ☒ Y ☐ N

If yes has been checked, Infiltration BMPs shall not be used for the site. If no, continue working through this section to implement your LID BMPs. It is recommended that you contact your Co-Permittee to verify whether or not your project discharges to an approved downstream 'Highest and Best Use' feature.

Lake Elsinore

Geotechnical Report

A Geotechnical Report or Phase I Environmental Site Assessment may be required by the Copermittee to confirm present and past site characteristics that may affect the use of Infiltration BMPs. In addition, the Co-Permittee, at their discretion, may not require a geotechnical report for small projects as described in Chapter 2 of the WQMP Guidance Document. If a geotechnical report has been prepared, include it in Appendix 3. In addition, if a Phase I Environmental Site Assessment has been prepared, include it in Appendix 4.

Is this project classified as a small project consistent with the requirements of Chapter 2 of the WQMP Guidance Document? ☐ Y ☒ N

Infiltration Feasibility

Table D.1 below is meant to provide a simple means of assessing which DMAs on your site support Infiltration BMPs and is discussed in the WQMP Guidance Document in Chapter 2.4.5. Check the appropriate box for each question and then list affected DMAs as applicable. If additional space is needed, add a row below the corresponding answer.

Table D.1 Infiltration Feasibility

Does the project site…	YES	NO
…have any DMAs with a seasonal high groundwater mark shallower than 10 feet?		
If Yes, list affected DMAs:		
…have any DMAs located within 100 feet of a water supply well?		
If Yes, list affected DMAs:		
…have any areas identified by the geotechnical report as posing a public safety risk where infiltration of stormwater could have a negative impact?		
If Yes, list affected DMAs:		
…have measured in-situ infiltration rates of less than 1.6 inches / hour? 0.23 IN/HR		
If Yes, list affected DMAs: DMA A and DMA B		
…have significant cut and/or fill conditions that would preclude in-situ testing of infiltration rates at the final infiltration surface?		
If Yes, list affected DMAs:		
…geotechnical report identify other site-specific factors that would preclude effective and safe infiltration?		
Describe here:		

If you answered "Yes" to any of the questions above for any DMA, Infiltration BMPs should not be used for those DMAs and you should proceed to the assessment for Harvest and Use below.

D.2 Harvest and Use Assessment

Please check what applies*:*

☐ Reclaimed water will be used for the non-potable water demands for the project.

☐Downstream water rights may be impacted by Harvest and Use as approved by the Regional Board (verify with the Copermittee).

☐The Design Capture Volume will be addressed using Infiltration Only BMPs. In such a case, Harvest and Use BMPs are still encouraged, but it would not be required if the Design Capture Volume will be infiltrated or evapotranspired.

If any of the above boxes have been checked, Harvest and Use BMPs need not be assessed for the site. If neither of the above criteria applies, follow the steps below to assess the feasibility of irrigation use, toilet use and other non-potable uses (e.g., industrial use).

Irrigation Use Feasibility

Complete the following steps to determine the feasibility of harvesting stormwater runoff for Irrigation Use BMPs on your site:

Step 1: Identify the total area of irrigated landscape on the site, and the type of landscaping used.

Total Area of Irrigated Landscape: *0* Sqft

Type of Landscaping (Conservation Design or Active Turf): Active Turf

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for irrigation use. Depending on the configuration of buildings and other impervious areas on the site, you may consider the site as a whole, or parts of the site, to evaluate reasonable scenarios for capturing and storing runoff and directing the stored runoff to the potential use(s) identified in Step 1 above.

Total Area of Impervious Surfaces: 253,650

Step 3: Cross reference the Design Storm depth for the project site (see Exhibit A of the WQMP Guidance Document) with the left column of Table 2-3 in Chapter 2 to determine the minimum area of Effective Irrigated Area per Tributary Impervious Area (EIATIA).

Enter your EIATIA factor:

Step 4: Multiply the unit value obtained from Step 3 by the total of impervious areas from Step 2 to develop the minimum irrigated area that would be required.

Minimum required irrigated area:

Step 5: Determine if harvesting stormwater runoff for irrigation use is feasible for the project by comparing the total area of irrigated landscape (Step 1) to the minimum required irrigated area (Step 4).

Minimum required irrigated area (Step 4)	Available Irrigated Landscape (Step 1)

Toilet Use Feasibility

Complete the following steps to determine the feasibility of harvesting stormwater runoff for toilet flushing uses on your site:

Step 1: Identify the projected total number of daily toilet users during the wet season, and account for any periodic shut downs or other lapses in occupancy:

Projected Number of Daily Toilet Users:

Project Type:

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for toilet use. Depending on the configuration of buildings and other impervious areas on the site, you may consider the site as a whole, or parts of the site, to evaluate reasonable scenarios for capturing and storing runoff and directing the stored runoff to the potential use(s) identified in Step 1 above.

Total Area of Impervious Surfaces: 253,650

Step 3: Enter the Design Storm depth for the project site (see Exhibit A) into the left column of Table 2-1 in Chapter 2 to determine the minimum number or toilet users per tributary impervious acre (TUTIA).

Enter your TUTIA factor:

Step 4: Multiply the unit value obtained from Step 3 by the total of impervious areas from Step 2 to develop the minimum number of toilet users that would be required.

Minimum number of toilet users: 850

Step 5: Determine if harvesting stormwater runoff for toilet flushing use is feasible forthe project by comparing the Number of Daily Toilet Users (Step 1) to the minimum required number of toilet users (Step 4).

Minimum required Toilet Users (Step 4)	**Projected number of toilet users (Step 1)**

Other Non-Potable Use Feasibility

Are there other non-potable uses for stormwater runoff on the site (e.g. industrial use)? See Chapter 2 of the Guidance for further information. If yes, describe below. If no, write N/A.

Insert text here describing how each included Site Design BMP will be implemented.

Step 1: Identify the projected average daily non-potable demand, in gallons per day, during the wet season and accounting for any periodic shut downs or other lapses in occupancy or operation.

Average Daily Demand: Projected Average Daily Use (gpd)

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for the identified non-potable use. Depending on the configuration of buildings and other impervious areas on the site, you may consider the site as a whole, or parts of the site, to evaluate reasonable scenarios for capturing and storing runoff and directing the stored runoff to the potential use(s) identified in Step 1 above.

Total Area of Impervious Surfaces: 253,650

Step 3: Enter the Design Storm depth for the project site (see Exhibit A) into the left column of Table 2-3 in Chapter 2 to determine the minimum demand for non-potable uses per tributary impervious acre.

Enter the factor from Table 2-3:

Step 4: Multiply the unit value obtained from Step 3 by the total of impervious areas from Step 2 to develop the minimum number of gallons per day of non-potable use that would be required.

Minimum required use:

Step 5: Determine if harvesting stormwater runoff for other non-potable use is feasible for the project by comparing the Number of Daily Toilet Users (Step 1) to the minimum required number of toilet users (Step 4).

Minimum required non-potable use (Step 4)	**Projected average daily use (Step 1)**
	Projected Average Daily Use (gpd)

If Irrigation, Toilet and Other Use feasibility anticipated demands are less than the applicable minimum values, Harvest and Use BMPs are not required and you should proceed to utilize LID Bioretention and Biotreatment, unless a site-specific analysis has been completed that demonstrates technical infeasibility as noted in D.3 below.

D.3 Bioretention and Biotreatment Assessment

Other LID Bioretention and Biotreatment BMPs as described in Chapter 2.4.7 of the WQMP Guidance Document are feasible on nearly all development sites with sufficient advance planning.

Select one of the following:

☒ LID Bioretention/Biotreatment BMPs will be used for some or all DMAs of the project as noted below in Section D.4 (note the requirements of Section 3.4.2 in the WQMP Guidance Document).

☐ A site-specific analysis demonstrating the technical infeasibility of all LID BMPs has been performed and is included in Appendix 5. If you plan to submit an analysis demonstrating the technical infeasibility of LID BMPs, request a pre-submittal meeting with the Copermittee to discuss this option. Proceed to Section E to document your alternative compliance measures.

D.4 Feasibility Assessment Summaries

From the Infiltration, Harvest and Use, Bioretention and Biotreatment Sections above, complete Table D.2 below to summarize which LID BMPs are technically feasible, and which are not, based upon the established hierarchy.

Table D.2 LID Prioritization Summary Matrix

DMA Name/ID	LID BMP Hierarchy				No LID (Alternative Compliance)
	1. Infiltration	2. Harvest and use	3. Bioretention	4. Biotreatment	
DMA A	☐	☐	☒	☐	☐
DMA B	☐	☐	☒	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

For those DMAs where LID BMPs are not feasible, provide a brief narrative below summarizing why they are not feasible, include your technical infeasibility criteria in Appendix 5, and proceed to Section E below to document Alternative Compliance measures for those DMAs. Recall that each proposed DMA must pass through the LID BMP hierarchy before alternative compliance measures may be considered.

D.5 LID BMP Sizing

Each LID BMP must be designed to ensure that the Design Capture Volume will be addressed by the selected BMPs. First**,** calculate the Design Capture Volume for each LID BMP using the V_{BMP} worksheet in Appendix F of the LID BMP Design Handbook. Second**,** design the LID BMP to meet the required V_{BMP} using a method approved by the Copermittee. Utilize the worksheets found in the LID BMP Design Handbook or consult with your Copermittee to assist you in correctly sizing your LID BMPs. Complete Table D.3 below to document the Design Capture Volume and the Proposed Volume for each LID BMP. Provide the completed design procedure sheets for each LID BMP in Appendix 6. You may add additional rows to the table below as needed.

Table D.3 DCV Calculations for LID BMPs

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Impervious Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Enter BMP Name / Identifier Here*		
	[A]		[B]	[C]	[A] x [C]			
DMA A	*72,745*	*Mixed*	*1.00*	*0.89*	*64,743*			
DMA B	*209,088*	*Mixed*	*1.00*	*0.89*	*186,088*			
						Design Storm Depth (in)	*Design Capture Volume,* $\mathbf{V_{BMP}}$ *(cubic feet)*	*Proposed Volume on Plans (cubic feet)*
	281,833				250,831	0.68	14,214	14,631

[B], [C] is obtained as described in Section 2.3.1 of the WQMP Guidance Document

[E] is obtained from Exhibit A in the WQMP Guidance Document

[G] is obtained from a design procedure sheet, such as in LID BMP Design Handbook and placed in Appendix 6

Section E: Alternative Compliance (LID Waiver Program)

LID BMPs are expected to be feasible on virtually all projects. Where LID BMPs have been demonstrated to be infeasible as documented in Section D, other Treatment Control BMPs must be used (subject to LID waiver approval by the Copermittee). Check one of the following Boxes:

☒ LID Principles and LID BMPs have been incorporated into the site design to fully address all Drainage Management Areas. No alternative compliance measures are required for this project and thus this Section is not required to be completed.

- *Or* -

☐ The following Drainage Management Areas are unable to be addressed using LID BMPs. A site-specific analysis demonstrating technical infeasibility of LID BMPs has been approved by the Co-Permittee and included in Appendix 5. Additionally, no downstream regional and/or sub-regional LID BMPs exist or are available for use by the project. The following alternative compliance measures on the following pages are being implemented to ensure that any pollutant loads expected to be discharged by not incorporating LID BMPs, are fully mitigated.

N/A

E.1 Identify Pollutants of Concern

Utilizing Table A.1 from Section A above which noted your project's receiving waters and their associated EPA approved 303(d) listed impairments, cross reference this information with that of your selected Priority Development Project Category in Table E.1 below. If the identified General Pollutant Categories are the same as those listed for your receiving waters, then these will be your Pollutants of Concern and the appropriate box or boxes will be checked on the last row. The purpose of this is to document compliance and to help you appropriately plan for mitigating your Pollutants of Concern in lieu of implementing LID BMPs.

Table E.1 Potential Pollutants by Land Use Type

Priority Development Project Categories and/or Project Features (check those that apply)	General Pollutant Categories							
	Bacterial Indicators	Metals	Nutrients	Pesticides	Toxic Organic Compounds	Sediments	Trash & Debris	Oil & Grease
☐ Detached Residential Development	P	N	P	P	N	P	P	P
☐ Attached Residential Development	P	N	P	P	N	P	P	P(2)
☒ Commercial/Industrial Development	P(3)	P	P(1)	P(1)	P(5)	P(1)	P	P
☒ Automotive Repair Shops	N	P	N	N	P(4, 5)	N	P	P
☐ Restaurants (>5,000 ft^2)	P	N	N	N	N	N	P	P
☐ Hillside Development (>5,000 ft^2)	P	N	P	P	N	P	P	P
☒ Parking Lots (>5,000 ft^2)	P(6)	P	P(1)	P(1)	P(4)	P(1)	P	P
☐ Retail Gasoline Outlets	N	P	N	N	P	N	P	P
Project Priority Pollutant(s) of Concern	☐	☐	☒	☐	☐	☐	☐	☐

P = Potential

N = Not Potential

(1) A potential Pollutant if non-native landscaping exists or is proposed onsite; otherwise not expected

(2) A potential Pollutant if the project includes uncovered parking areas; otherwise not expected

(3) A potential Pollutant is land use involving animal waste

(4) Specifically petroleum hydrocarbons

(5) Specifically solvents

(6) Bacterial indicators are routinely detected in pavement runoff

E.2 Stormwater Credits

Projects that cannot implement LID BMPs but nevertheless implement smart growth principles are potentially eligible for Stormwater Credits. Utilize Table 3-8 within the WQMP Guidance Document to identify your Project Category and its associated Water Quality Credit. If not applicable, write N/A.

Table E.2 Water Quality Credits

Qualifying Project Categories	Credit Percentage[2]
N/A	N/A
Total Credit Percentage[1]	

[1]*Cannot Exceed 50%*
[2]*Obtain corresponding data from Table 3-8 in the WQMP Guidance Document*

E.3 Sizing Criteria

After you appropriately considered Stormwater Credits for your project, utilize Table E.3 below to appropriately size them to the DCV, or Design Flow Rate, as applicable. Please reference Chapter 3.5.2 of the WQMP Guidance Document for further information.

Table E.3 Treatment Control BMP Sizing

DMA Type/ID	**DMA Area (square feet)**	**Post-Project Surface Type**	**Effective Impervious Fraction, I_f**	**DMA Runoff Factor**	**DMA Area x Runoff Factor**		***Enter BMP Name / Identifier Here***		
	[A]		[B]	[C]	[A] x [C]				
						Design Storm Depth (in)	*Minimum Design Capture Volume or Design Flow Rate (cubic feet or cfs)*	*Total Storm Water Credit % Reduction*	*Proposed Volume or Flow on Plans (cubic feet or cfs)*
						0.68		[F] X (1-[H])	[I]

[B], [C] is obtained as described in Section 2.3.1 from the WQMP Guidance Document
[E] is obtained from Exhibit A in the WQMP Guidance Document
[G] is for Flow-Based Treatment Control BMPs [G] = 43,560, for Volume-Based Control Treatment BMPs, [G] = 12
[H] is from the Total Credit Percentage as Calculated from Table E.2 above
[I] as obtained from a design procedure sheet from the BMP manufacturer and should be included in Appendix 6

E.4 Treatment Control BMP Selection

Treatment Control BMPs typically provide proprietary treatment mechanisms to treat potential pollutants in runoff, but do not sustain significant biological processes. Treatment Control BMPs must have a removal efficiency of a medium or high effectiveness as quantified below:

- **High**: equal to or greater than 80% removal efficiency
- **Medium**: between 40% and 80% removal efficiency

Such removal efficiency documentation (e.g., studies, reports, etc.) as further discussed in Chapter 3.5.2 of the WQMP Guidance Document, must be included in Appendix 6. In addition, ensure that proposed Treatment Control BMPs are properly identified on the WQMP Site Plan in Appendix 1.

Table E.4 Treatment Control BMP Selection

Selected Treatment Control BMP Name or ID[1]	Priority Pollutant(s) of Concern to Mitigate[2]	Removal Efficiency Percentage[3]

[1] Treatment Control BMPs must not be constructed within Receiving Waters. In addition, a proposed Treatment Control BMP may be listed more than once if they possess more than one qualifying pollutant removal efficiency.

[2] Cross Reference Table E.1 above to populate this column.

[3] As documented in a Co-Permittee Approved Study and provided in Appendix 6.

Section F: Hydromodification

F.1 Hydrologic Conditions of Concern (HCOC) Analysis

Once you have determined that the LID design is adequate to address water quality requirements, you will need to assess if the proposed LID Design may still create a HCOC. Review Chapters 2 and 3 (including Figure 3-7) of the WQMP Guidance Document to determine if your project must mitigate for Hydromodification impacts. If your project meets one of the following criteria which will be indicated by the check boxes below, you do not need to address Hydromodification at this time. However, if the project does not qualify for Exemptions 1, 2 or 3, then additional measures must be added to the design to comply with HCOC criteria. This is discussed in further detail below in Section F.2.

HCOC EXEMPTION 1: The Priority Development Project disturbs less than one acre. The Copermittee has the discretion to require a Project-Specific WQMP to address HCOCs on projects less than one acre on a case by case basis. The disturbed area calculation should include all disturbances associated with larger common plans of development.

Does the project qualify for this HCOC Exemption? ☐ Y ☒ N

If Yes, HCOC criteria do not apply.

HCOC EXEMPTION 2: The volume and time of concentration[1] of storm water runoff for the post-development condition is not significantly different from the pre-development condition for a 2-year return frequency storm (a difference of 5% or less is considered insignificant) using one of the following methods to calculate:

- Riverside County Hydrology Manual
- Technical Release 55 (TR-55): Urban Hydrology for Small Watersheds (NRCS 1986), or derivatives thereof, such as the Santa Barbara Urban Hydrograph Method
- Other methods acceptable to the Co-Permittee

Does the project qualify for this HCOC Exemption? ☐ Y ☒ N

If Yes, report results in Table F.1 below and provide your substantiated hydrologic analysis in Appendix 7.

Table F.1 Hydrologic Conditions of Concern Summary

	2 year – 24 hour		
	Pre-condition	**Post-condition**	**% Difference**
Time of Concentration	0.00	0.00	
Volume (Cubic Feet)	0.00	0.00	

[1] Time of concentration is defined as the time after the beginning of the rainfall when all portions of the drainage basin are contributing to flow at the outlet.

HCOC EXEMPTION 3: All downstream conveyance channels to an adequate sump (for example, Prado Dam, Lake Elsinore, Canyon Lake, Santa Ana River, or other lake, reservoir or naturally erosion resistant feature) that will receive runoff from the project are engineered and regularly maintained to ensure design flow capacity; no sensitive stream habitat areas will be adversely affected; or are not identified on the Co-Permittees Hydromodification Sensitivity Maps.

3rd street channel -> Lake Elsinore Outlet Channel -> Lake Elsinore

(Refer to Appendix 7 for conclusion/verification on exemption 3)

Does the project qualify for this HCOC Exemption? ☒ Y ☐ N

If Yes, HCOC criteria do not apply and note below which adequate sump applies to this HCOC qualifier:

Lake Elsinore

F.2 HCOC Mitigation

If none of the above HCOC Exemption Criteria are applicable, HCOC criteria is considered mitigated if they meet one of the following conditions:

a. Additional LID BMPS are implemented onsite or offsite to mitigate potential erosion or habitat impacts as a result of HCOCs. This can be conducted by an evaluation of site-specific conditions utilizing accepted professional methodologies published by entities such as the California Stormwater Quality Association (CASQA), the Southern California Coastal Water Research Project (SCCRWP), or other Co-Permittee approved methodologies for site-specific HCOC analysis.

b. The project is developed consistent with an approved Watershed Action Plan that addresses HCOC in Receiving Waters.

c. Mimicking the pre-development hydrograph with the post-development hydrograph, for a 2-year return frequency storm. Generally, the hydrologic conditions of concern are not significant, if the post-development hydrograph is no more than 10% greater than pre-development hydrograph. In cases where excess volume cannot be infiltrated or captured and reused, discharge from the site must be limited to a flow rate no greater than 110% of the pre-development 2-year peak flow.

Be sure to include all pertinent documentation used in your analysis of the items a, b or c in Appendix 7.

Section G: Source Control BMPs

Source control BMPs include permanent, structural features that may be required in your project plans — such as roofs over and berms around trash and recycling areas — and Operational BMPs, such as regular sweeping and "housekeeping", that must be implemented by the site's occupant or user. The MEP standard typically requires both types of BMPs. In general, Operational BMPs cannot be substituted for a feasible and effective permanent BMP. Using the Pollutant Sources/Source Control Checklist in Appendix 8, review the following procedure to specify Source Control BMPs for your site:

1. ***Identify Pollutant Sources*:** Review Column 1 in the Pollutant Sources/Source Control Checklist. Check off the potential sources of Pollutants that apply to your site.

2. ***Note Locations on Project-Specific WQMP Exhibit*:** Note the corresponding requirements listed in Column 2 of the Pollutant Sources/Source Control Checklist. Show the location of each Pollutant source and each permanent Source Control BMP in your Project-Specific WQMP Exhibit located in Appendix 1.

3. ***Prepare a Table and Narrative*:** Check off the corresponding requirements listed in Column 3 in the Pollutant Sources/Source Control Checklist. In the left column of Table G.1 below, list each potential source of runoff Pollutants on your site (from those that you checked in the Pollutant Sources/Source Control Checklist). In the middle column, list the corresponding permanent, Structural Source Control BMPs (from Columns 2 and 3 of the Pollutant Sources/Source Control Checklist) used to prevent Pollutants from entering runoff. **Add additional narrative** in this column that explains any special features, materials or methods of construction that will be used to implement these permanent, Structural Source Control BMPs.

4. ***Identify Operational Source Control BMPs:*** To complete your table, refer once again to the Pollutant Sources/Source Control Checklist. List in the right column of your table the Operational BMPs that should be implemented as long as the anticipated activities continue at the site. Copermittee stormwater ordinances require that applicable Source Control BMPs be implemented; the same BMPs may also be required as a condition of a use permit or other revocable Discretionary Approval for use of the site.

Table G.1 Permanent and Operational Source Control Measures

Potential Sources of Runoff pollutants	Permanent Structural Source Control BMPs	Operational Source Control BMPs
On-site storm drain inlets	Marked "Only Rain Down the Storm Drain" on all inlet locations, fit inlets with connector pipe screen (CPS) in accordance with State Trash Amendment.	Maintain periodically, provide SWPPP, include maintenance requirements in site owner's agreement. Also, refer to Appendix I Maintenance Manual for additional maintenance information of filter insert.
Landscape/Outdoor Pesticide Use	Preserve existing vegetation, design landscaping to minimize irrigation and runoff, use soil saturation tolerant plants in	Maintain landscaping using minimum to no pesticides.

	retention basin area, use pest resistant plants	
Plazas, Sidewalks, and Parking Lots	A spill Control Kit will be located within the QA/QC Building and accessible by all employees. Where landscaped areas are used to retain or detain stormwater, specify plants that are tolerant of saturated soil conditions.	Sweep plazas, sidewalks, and parking lots regularly to prevent accumulation of sediment and litter. Owner to implement all non-stormwater management and materials, and waste management activities such as monitoring discharges, general clean-up, vehicle equipment cleaning, spill control; ensuring that no materials other than stormwater are discharged in quantities which will have an adverse effect on receiving waters on storm drain systems. Also refer to CASQA BMP SC-43 at www.cabmphandbooks.com
Outdoor storage of equipment or materials. (See rows J and K for source control measures for vehicle cleaning, repair, and maintenance.)	Show any outdoor storage areas, including how materials will be covered. Show how areas will be graded and bermed to prevent runon or run-off from area. Storage of non-hazardous liquids shall be covered by a roof and/or drain to the sanitary sewer system, and be contained by berms, dikes, liners, or vaults. Storage of hazardous materials and wastes must be in compliance with the local hazardous materials ordinance and a Hazardous Materials Management Plan for the site.	See the Fact Sheets SC-31, "Outdoor Liquid Container Storage" and SC-33, "Outdoor Storage of Raw Materials " in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com
Irrigation	Employ rain-triggered shutoff devices to prevent irrigation after precipitation. Design irrigation systems to each landscape area's specific water requirements. „ Include design featuring flow reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines.	See the Fact Sheets SD-12, "Efficient irrigation " in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com

	Implement landscape plans consistent with County or City water conservation resolutions, which may include provision of water sensors, programmable irrigation times (for short cycles), etc. Employ other comparable, equally effective methods to reduce irrigation water runoff.	
Vehicle and Equipment Cleaning	Contain wash areas in door, provide trash container in wash area, mark area as wash area, install sumps or drain lines to collect was water for treatment, use hoses with nozzles that automatically turn off when left unattended	See the Fact Sheets SC-21, "Vehicle and Equipment Cleaning" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com or in Appendix I of this report.
Vehicle and Equipment repair	Move repair activities indoors, store idle equipment covered, indicate storm drain location, post signs at sinks to remind employees not to pour waste down the drain, designate area for oil and other fluid replacement, collect leaking fluids in drip pan or containers	See the Fact Sheets SC-21, "Vehicle and Equipment repair" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com or in Appendix I of this report.
Outdoor Container Storage	Provide barriers such as posts or guard rails to prevent collision damage with vehicles, place tight fitting lids on containers, enclose the containers where they are stored, provide secondary containment such as pallets and comply with fire and hazardous waste code	See the Fact Sheets SC-31, "Outdoor Container Storage" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com or in Appendix I of this report.
Outdoor Equipment Maintenance	Perform outdoor activites during dry season, cover the work area with a permanent roof, employee training, have spill kit readily available and keep spill prevention control and countermeasure plan up to date and implement accordingly. Conduct routine prevention maintenance including checking process equipment for leaks.	See the Fact Sheets SC-32, "Outdoor Equipment Maintenance" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com or in Appendix I of this report.
Spill Prevention Control & clean-	Developed and implement a Spill	See the Fact Sheets SC-11, "Spill

up	Prevention Control and Response Plan and educate employees about spill prevention, spill response and cleanup on a routine basis	Prevention, Control & Cleanup" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com or in Appendix I of this report.
Housekeeping Practices	Promote efficient and safe housekeeping practices (storage, use, and cleanup) when handling potentially harmful materials such as fertilizers, pesticides, cleaning solutions, paint products, automotive products, and swimming pool chemicals.	See the Fact Sheets SC-60, "Housekeeping Practices" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com or in Appendix I of this report.

Section H: Construction Plan Checklist

Populate Table H.1 below to assist the plan checker in an expeditious review of your project. The first two columns will contain information that was prepared in previous steps, while the last column will be populated with the corresponding plan sheets. This table is to be completed with the submittal of your final Project-Specific WQMP.

Table H.1 Construction Plan Cross-reference

BMP No. or ID	BMP Identifier and Description	Corresponding Plan Sheet(s)
BMP A	*Bioretention*	Final Engineering Pending
BMP B	*Bioretention*	Final Engineering Pending

Note that the updated table — or Construction Plan WQMP Checklist — is **only a reference tool** to facilitate an easy comparison of the construction plans to your Project-Specific WQMP. Co-Permittee staff can advise you regarding the process required to propose changes to the approved Project-Specific WQMP.

Section I: Operation, Maintenance and Funding

The Copermittee will periodically verify that Stormwater BMPs on your site are maintained and continue to operate as designed. To make this possible, your Copermittee will require that you include in Appendix 9 of this Project-Specific WQMP:

1. A means to finance and implement facility maintenance in perpetuity, including replacement cost.
2. Acceptance of responsibility for maintenance from the time the BMPs are constructed until responsibility for operation and maintenance is legally transferred. A warranty covering a period following construction may also be required.
3. An outline of general maintenance requirements for the Stormwater BMPs you have selected.
4. Figures delineating and designating pervious and impervious areas, location, and type of Stormwater BMP, and tables of pervious and impervious areas served by each facility. Geo-locating the BMPs using a coordinate system of latitude and longitude is recommended to help facilitate a future statewide database system.
5. A separate list and location of self-retaining areas or areas addressed by LID Principles that do not require specialized O&M or inspections but will require typical landscape maintenance as noted in Chapter 5, pages 85-86, in the WQMP Guidance. Include a brief description of typical landscape maintenance for these areas.

Your local Co-Permittee will also require that you prepare and submit a detailed Stormwater BMP Operation and Maintenance Plan that sets forth a maintenance schedule for each of the Stormwater BMPs built on your site. An agreement assigning responsibility for maintenance and providing for inspections and certification may also be required.

Details of these requirements and instructions for preparing a Stormwater BMP Operation and Maintenance Plan are in Chapter 5 of the WQMP Guidance Document.

Maintenance Mechanism: Ongoing – before annual storm seasons and following rainfall events

Will the proposed BMPs be maintained by a Home Owners' Association (HOA) or Property Owners Association (POA)?

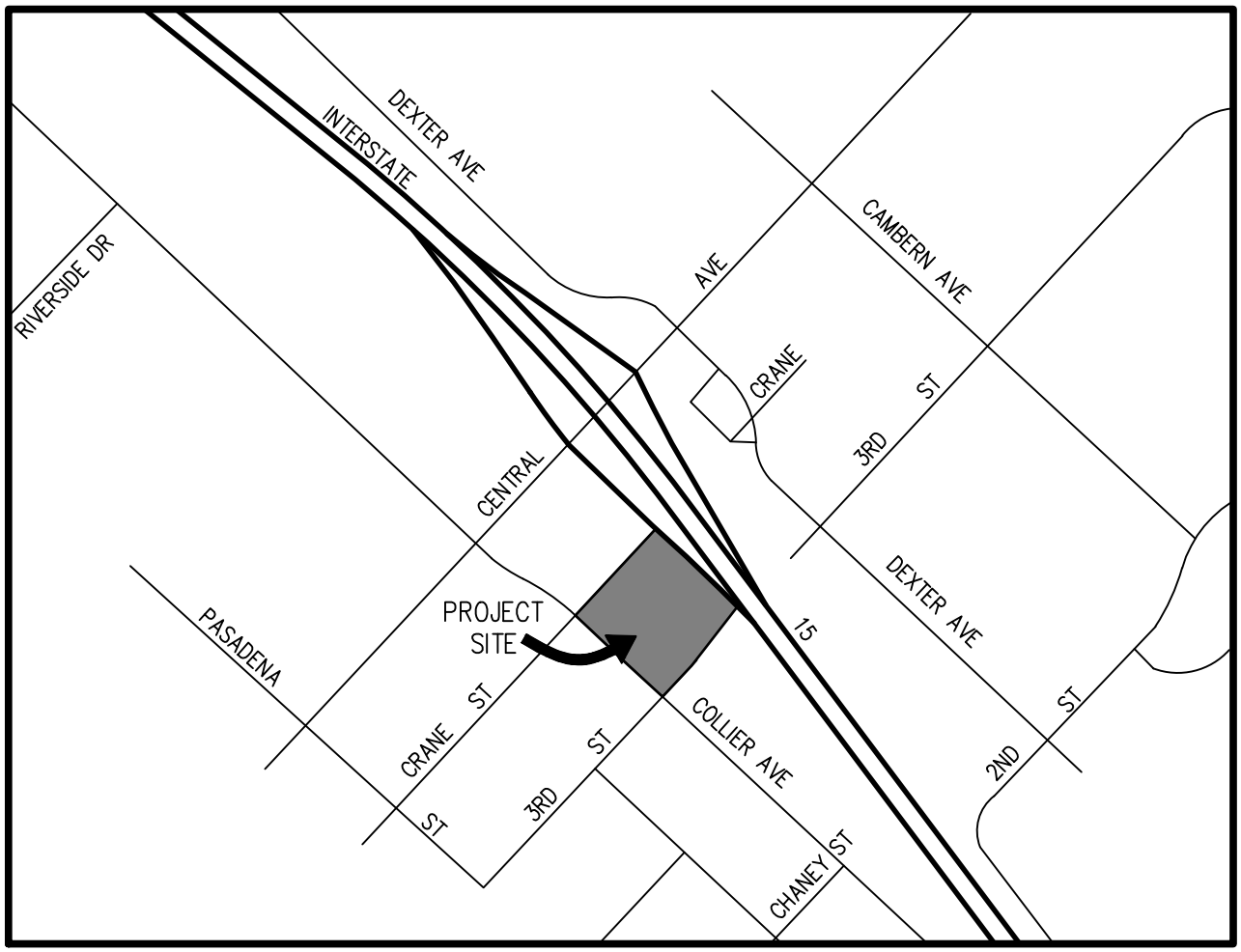
☒ Y ☐ N

Include your Operation and Maintenance Plan and Maintenance Mechanism in Appendix 9. Additionally, include all pertinent forms of educational materials for those personnel that will be maintaining the proposed BMPs within this Project-Specific WQMP in Appendix 10.

Appendix 1: Maps and Site Plans

Location Map, WQMP Site Plan and Receiving Waters Map

- *Vicinity Map*
- *WQMP/BMP's Site Plans*
- *Isohyetal Map for the 85th Percentile 24 Hour Storm Event*
- *Receiving Waters Map*



VICINITY MAP

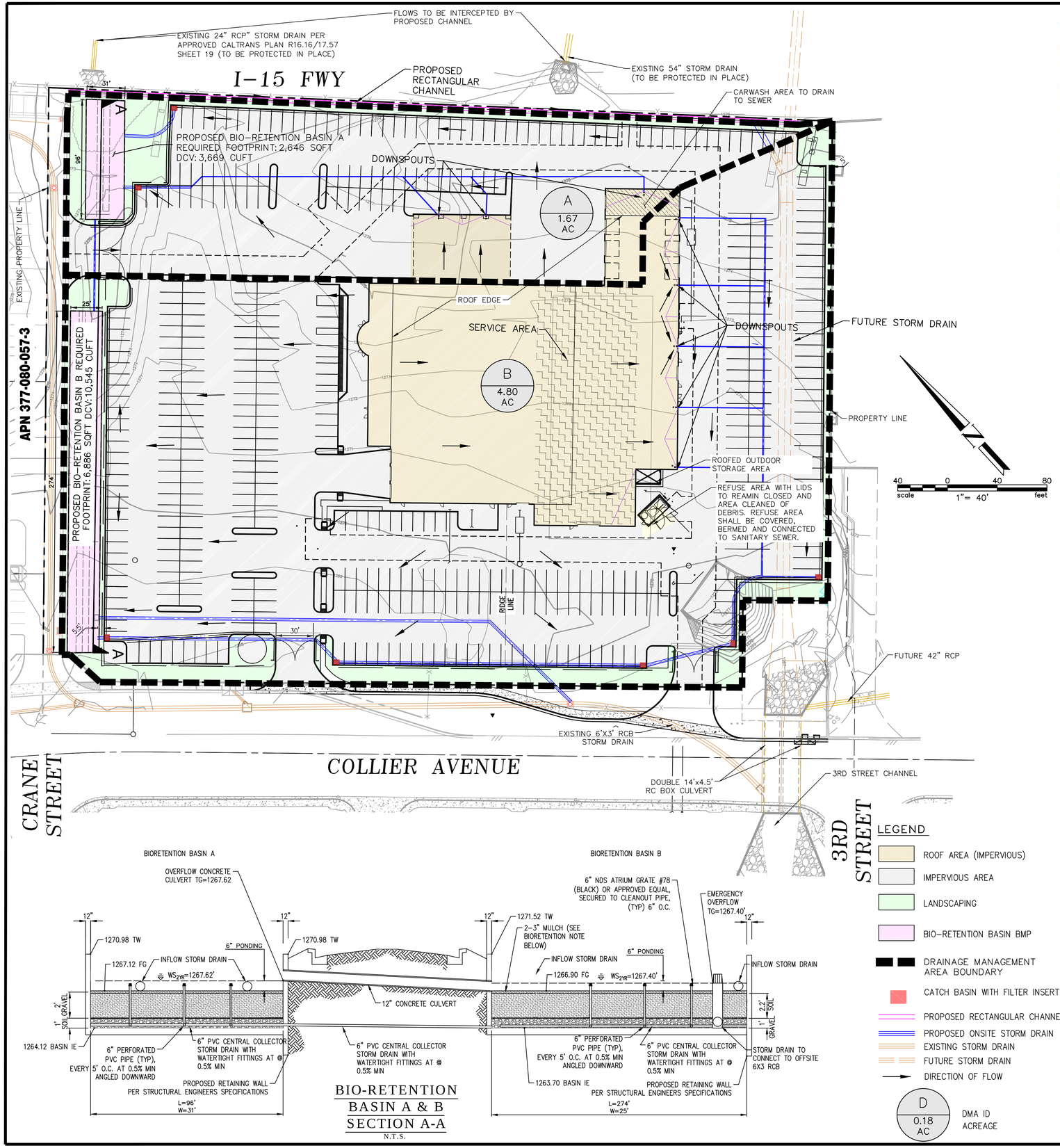
NOT TO SCALE

N

DAVID EVANS
AND ASSOCIATES INC.
41951 Remington Ave. Suite 220
Temecula, California 92590
Phone: 951.294.9300 Fax: 951.294.9301

VICINITY MAP

HONDA CENTER



LEGEND

- ROOF AREA (IMPERVIOUS)
- IMPERVIOUS AREA
- LANDSCAPING
- BIO-RETENTION BASIN BMP
- DRAINAGE MANAGEMENT AREA BOUNDARY
- CATCH BASIN WITH FILTER INSERT
- PROPOSED RECTANGULAR CHANNEL
- PROPOSED ONSITE STORM DRAIN
- EXISTING STORM DRAIN
- FUTURE STORM DRAIN
- DIRECTION OF FLOW
- D 0.18 AC — DMA ID, ACREAGE

Table D.3 DCV Calculations for LID BMPs

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Impervious Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	Enter BMP Name / Identifier Here		
	[A]		[B]	[C]	[A] x [C]			
DMA A	*72,745*	*Mixed*	*1.00*	*0.89*	*64,743*			
DMA B	*209,088*	*Mixed*	*1.00*	*0.89*	*186,088*			
						Design Storm Depth (in)	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
	281,833				250,831	0.68	14,214	14,631

[B], [C] is obtained as described in Section 2.3.1 of the WQMP Guidance Document
[E] is obtained from Exhibit A in the WQMP Guidance Document
[G] is obtained from a design procedure sheet, such as in LID BMP Design Handbook and placed in Appendix 6

BIORETENTION NOTES:

ENGINEERED SOIL MEDIA REQUIREMENTS
THE ENGINEERED SOIL MEDIA SHALL BE COMPRISED OF 85 PERCENT MINERAL COMPONENT AND 15 PERCENT ORGANIC COMPONENT, BY VOLUME, DRUM MIXED PRIOR TO PLACEMENT. THE MINERAL COMPONENT SHALL BE A CLASS A SANDY LOAM TOPSOIL THAT MEETS THE RANGE SPECIFIED IN TABLE 1 BELOW. THE ORGANIC COMPONENT SHALL BE NITROGEN STABILIZED COMPOST SUCH THAT NITROGEN DOES NOT LEACH FROM THE MEDIA.

TABLE 1: MINERAL COMPONENT RANGE REQUIREMENTS

PERCENT	COMPONENT
70-80	SAND
15-20	SILT
5-10	CLAY

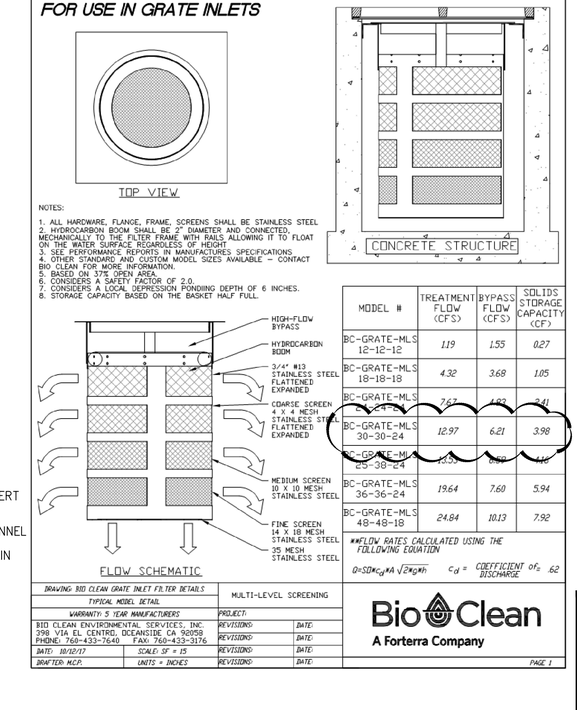
THE TRIP TICKET, OR CERTIFICATE OF COMPLIANCE, SHALL BE MADE AVAILABLE TO THE INSPECTOR TO PROVE THE ENGINEERED MIX MEETS THIS SPECIFICATION.

VEGETATION REQUIREMENT
BIORETENTION FACILITIES SHALL BE PLANTED WITH A COMBINATION OF SMALL TREES, DENSELY PLANTED SHRUBS, AND NATURAL GRASSES. GRASSES SHALL BE NATIVE OR ORNAMENTAL; PREFERABLY ONES THAT DO NOT NEED TO BE MOWED

MULCH REQUIREMENT
A 2 TO A-INCH LAYER OF STANDARD SHREDDED AGED HARDWOOD MULCH SHALL BE PLACED AS THE TOP LAYER INSIDE THE BIORETENTION FACILITY. THE 6-INCH PONDING DEPTH SHOWN IN FIGURE 1 ABOVE SHALL BE MEASURED FROM THE TOP SURFACE OF THE 2 TO A-INCH MULCH LAYER.

BIO CLEAN SCREENING FILTER

FOR USE IN GRATE INLETS



MODEL #	TREATMENT FLOW (CFS)	BYPASS FLOW (CFS)	SOLIDS STORAGE CAPACITY (CF)
BC-GRATE-MLS 12-12-12	1.19	1.55	0.27
BC-GRATE-MLS 18-18-18	4.32	3.68	1.05
BC-GRATE-MLS 24-24-18	7.67	4.83	2.41
BC-GRATE-MLS 30-30-24	12.97	6.21	3.98
BC-GRATE-MLS 25-38-24	13.35	6.89	4.10
BC-GRATE-MLS 36-36-24	19.64	7.60	5.94
BC-GRATE-MLS 48-48-18	24.84	10.13	7.92

**FLOW RATES CALCULATED USING THE FOLLOWING EQUATION

$Q = SD^2 c_d \pi A \sqrt{2gh}$ c_d = COEFFICIENT OF = .62

DRAWING: BIO CLEAN GRATE INLET FILTER DETAILS	MULTI-LEVEL SCREENING	
TYPICAL MODEL DETAIL		
WARRANTY: 5 YEAR MANUFACTURERS	PROJECT:	
BIO CLEAN ENVIRONMENTAL SERVICES, INC. 398 VIA EL CENTRO, OCEANSIDE CA 92058 PHONE: 760-433-7640 FAX: 760-433-3176	REVISIONS:	DATE:
DATE: 10/12/17 SCALE: SF = 15	REVISIONS:	DATE:
DRAFTED: M.C.P. UNITS = INCHES	REVISIONS:	DATE:

Bio Clean
A Forterra Company

PAGE 1

SOURCE CONTROL BMP

- ONSITE STORM DRAIN INLETS
- LANDSCAPE/OUTDOOR PESTICIDE USE
- REFUSE AREA
- VEHICLE AND EQUIPMENT CLEANING
- VEHICLE/EQUIPMENT REPAIR AND MAINTENANCE

SOURCE CONTROL BMP

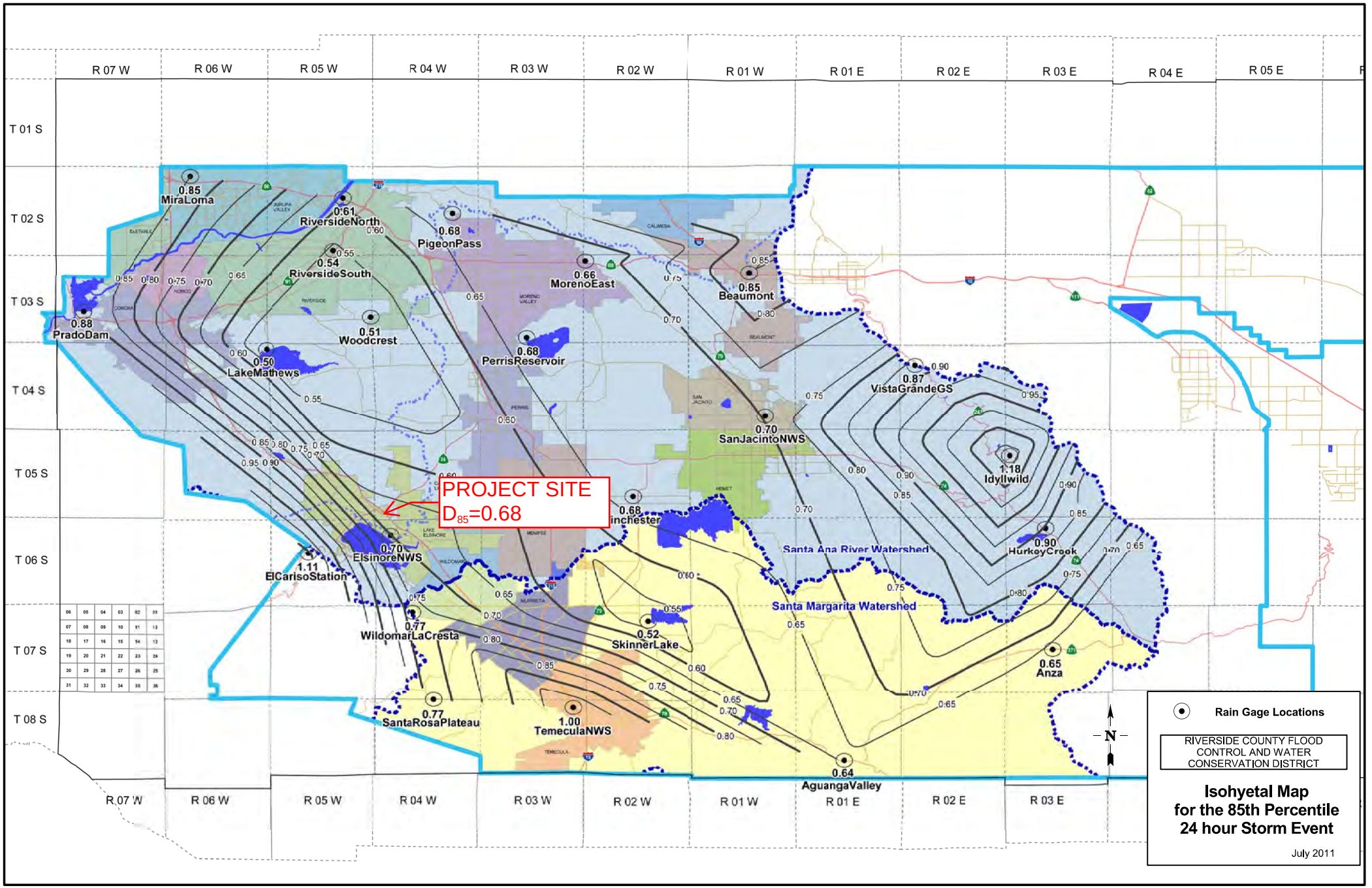
- PHRASE "NO DUMPING - ONLY RAIN IN THE DRAIN" SHALL BE STENCLED ON ALL CATCH BASINS
- PRESERVE EXISTING VEGETATION, DESIGN LANDSCAPING TO MINIMIZEIRRIGATION AND RUNOFF, USE SOIL SATURATION TOLERANT PLANTS IN RETENTION BASIN AREA, USE PEST-RESISTANT PLANTS
- A SPILL CONTROL KIT WILL BE LOCATED WITHIN THE OA/OC BUILDING AND ACCESSIBLE BY ALL EMPLOYEES. WHERE LANDSCAPED AREAS ARE USED TO RETAIN OR DETAIN STORMWATER, SPECIFY PLANTS THAT ARE TOLERANT OF SATURATED SOIL CONDITIONS.
- SHOW ANY OUTDOOR STORAGE AREAS, INCLUDNG HOW MATERIALS BE WILL COVERED. SHOW HOW AREAS WILL BE GRADED AND BERMED TO PREVENT RUNON OR RUN-OFF FROM AREA
- STORAGE OF NON-HAZARDOUS LIQUIDS SHALL BE COVERED BY A ROOF AND/OR DRAIN TO THE SANITARY SEWER SYSTEM,AND BE CONTAINED BY BERMS, DIKES, LINERS OR VAULTS.
- STORAGE OF HAZARDOUS MATERIALS AND WASTES MUST BE IN CONPLIANCE WITH THE LOCAL HAZARDOUS MATER ALS ORDINANCE AND A HAZARDOUS MATERIALS MANAGEMENT PLAN FOR THE SITE.
- EMPLOY RAIN-TRIGGERED SHUTOFF DEVICES TO PREVENT IRRIGATION AFTER PRECIPITATION. DESGN IRRIGATION SYSTEMS TO EACH LANDSCAPE AREAS SPECIFIC WATER REQUIREMENTS. INCLUDE DESIGN FEATURING FLOW REDUCERS OR SHUTOFF VALVES TRIGGERED BY A PRESSURE DROP TO CONTROL WATER LOSS IN THE EVENT OF BROKEN SPRINKLER HEADS OR LINES.
- IMPLEMENT LANDSCAPE PLANS CONSISTENT WITH COUNTY OR CITY WATER CONSERVATION RESOLUTIONS, WHICH MAY INCLUDE PROVISON OF WATER SENSORS, PROGRAMMABLE IRRIGATION TIMES (FOR SHORT CYCLES), ETC. EMPLOY OTHER COMPARABLE, EQUALLY EFFECTIVE METHODS TO REDUCE IRRIGATION WATER RUNOFF.

DAVID EVANS AND ASSOCIATES INC.
41951 Remington Avenue, Suite 220
Temecula ,Ca 91764
Phone: 951.294.9300 Fax: 951.294.9301

HONDA CENTER
PA 2017-74
PWQMP-2017-00017

WQMP SITE PLAN

Drawing Name: C:\Users\mbeck\appdata\local\temp\AcPublish_42764\WQMP Exhibit – Honda Center.dwg
Last Opened: Apr 20, 2018 – 8:57pm by mbeck


R 07 W
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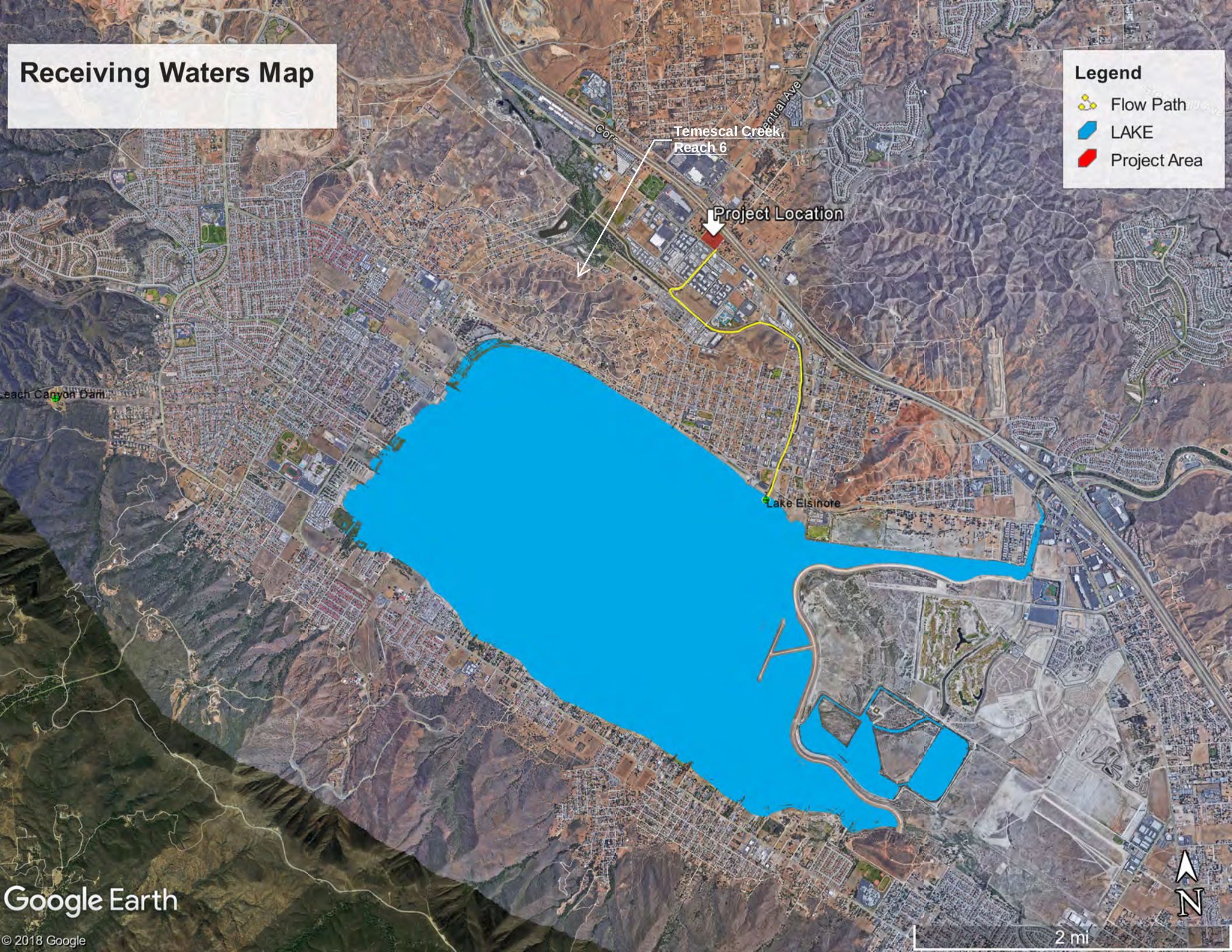
0.85 MiraLoma
0.61 RiversideNorth
0.68 PigeonPass
0.54 RiversideSouth
0.66 MorenoEast
0.85 Beaumont
0.88 PradoDam
0.51 Woodcrest
0.68 PerrisReservoir
0.50 LakeMathews
0.87 VistaGrandeGS
0.70 SanJacintoNWS
1.18 Idyllwild
PROJECT SITE
D85=0.68
0.68 inchester
0.70 ElsinoreNWS
1.11 ElCarisoStation
Santa Ana River Watershed
0.90 HurkeyCreek
Santa Margarita Watershed
0.77 WildomarLaCresta
0.52 SkinnerLake
0.65 Anza
0.77 SantaRosaPlateau
1.00 TemeculaNWS
0.64 AguangaValley
N
Rain Gage Locations
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
Isohyetal Map for the 85th Percentile 24 hour Storm Event
July 2011


Receiving Waters Map
Legend
Flow Path
LAKE
Project Area
Temescal Creek, Reach 6
Project Location
Lake Elsinore
Central Ave
Google Earth
© 2018 Google
2 mi
N

Appendix 2: Construction Plans

Grading and Drainage Plans

- *Honda Center Tentative Map*
  (Drainage, Landscape and Grading plan to be included in the Final WQMP)

TENTATIVE PARCEL MAP NO. XXXXX

CITY OF LAKE ELSINORE, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

APPLICANT:

SRZ YUMA, LLC
3158 AUTO CENTER CIRCLE, SUITE E
STOCKTON, CA 95212
ATTN: BOB ZAMORA
(209) 481-5191

ARCHITECT:

JOHN MAHONEY ARCHITECT
850 W. ELLIOT ROAD 3108
TEMPE, AZ 85284
(480) 345-8457
(480) 345-1759 FAX

CIVIL ENGINEER:

DAVID EVANS AND ASSOCIATES
41951 REMINGTON AVENUE, SUITE 220
TEMECULA, CA 92590
ATTN: DINO SAN BUENAVENTURA
(951) 294-9325
(951) 294-9301 FAX

BENCHMARK:

RIVERSIDE COUNTY BM #M-31 SET 3 ½" ALUMINUM DISK STAMPED RIV. CO. SURVEYOR M-31 RESET APRIL 1996, FLUSH AT THE SOUTH WEST CORNER OF BRIDGE ON TOP OF SIDEWALK NEAR FACE OF CURB LOCATED AT THE CROSSING OF PERRIS BLVD. AND RIV. CO. FLOOD CONTROL CHANNEL (PERRIS LATERAL "A"). 43 FT. WEST OF THE CENTERLINE OF PERRIS BLVD. AND 4.5 FT. EAST CONCRETE BRIDGE BARRIER. (EDGE OF BRIDGE). ELEVATION 1474.674' (NGVD29)

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF LAKE ELSINORE, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL A:

LOTS 12 AND 13 OF WALL'S FIRST ADDITION TO ELSINORE, AS SHOWN BY MAP ON FILE IN BOOK 13. PAGE 620 OF MAPS. SAN DIEGO COUNTY RECORDS;

EXCEPTING THEREFROM THE NORTHWESTERLY 62 FEET OF SAID LOT 13 AS CONVEYED TO PATRICK GALLAGHER AND ROSE A. GALLAGHER, HUSBAND AND WIFE, BY DEED RECORDED AUGUST 14. 1929 IN BOOK 821. PAGE 432 OF DEEDS;

ALSO EXCEPTING THEREFROM THAT PORTION THEREOF CONVEYED TO THE STATE OF CALIFORNIA FOR HIGHWAY PURPOSES, BY DEED RECORDED JANUARY 17. 1956 IN BOOK 1848. PAGE 122 OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THAT PORTION THEREOF CONVEYED TO THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT BY DEED RECORDED JANUARY 26. 1994. AS INSTRUMENT NUMBER 034739 OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THAT PORTION TTJEREOF CONVEYED TO THE ELSINORE, POMONA & LOS ANGELES RAILWAY COMPANY BY DEED RECORDED MARCH 13. 1896, IN BOOK 32 PAGE 369 OF DEEDS.

ALSO EXCEPTING THEREFROM THAT PORTION THEREOF CONVEYED TO THE STATE OF CALIFORNIA BY DEED RECORDED DECEMBER 20. 1978 AS INSTRUMENT NO. 267285 OF OFFICIAL RECORDS.

PARCEL B:

THAT PORTION OF LOT 13, IN BLOCK 5 OF NORTH ELSINORE, AS SHOWN UPON A CERTAIN MAP ENTITLED "MAP OF NORTH ELSINORE TOWN AND COLONY LANDS" ON FILE IN THE OFFICE OF THE COUNTY RECORDER OF THE COUNTY OF SAN DIEGO IN BOOK 10. PAGE 459 OF MAPS. MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF LOT 13;
THENCE 62 FEET SOUTHEASTERLY ALONG THE SOUTHERLY LINE OF LOT 13 TO A POINT;
THENCE NORTHEASTERLY AND PARALLEL WITH THE WESTERLY LINE OF LOT 13, 660 FEET TO A POINT;
THENCE NORTHEASTERLY 62 FEET TO THE WESTERLY LINE OF LOT 13;
THENCE SOUTHWESTERLY ALONG SAID WESTERLY LINE 660 FEET TO THE POINT OF BEGINNING;

EXCEPTING THEREFROM THAT PORTION THEREOF CONVEYED TO THE ELSINORE POMONA & LOS ANGELES RAILWAY COMPANY BY DEED RECORDED MARCH 13. 1896 IN BOOK 32. PAGE 369 OF DEEDS.

ALSO EXCEPTING THEREFROM THAT PORTION THEREOF CONVEYED TO THE STATE OF CALIFORNIA, BY ORDER OF CONDEMNATION RECORDED RECORDS SEPTEMBER 12, 1980 AS INSTRUMENT NO. 166604 OF OFFICIAL RECORDS..

APN NUMBERS:

377-080-053
377-080-057
377-080-079

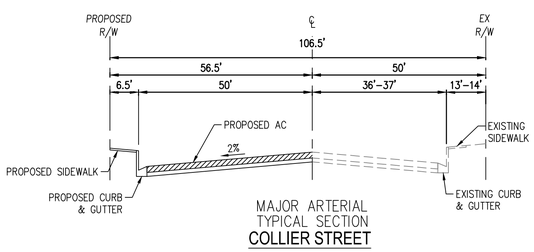
LAND USE INFORMATION

1.	EXISTING ZONING:	C2 (GENERAL COMMERCIAL)
2.	PROPOSED ZONING:	C2 (GENERAL COMMERCIAL)
3.	GENERAL PLAN DESIGNATION:	
4.	SPECIFIC PLAN DESIGNATION:	
5.	EXISTING LAND USE:	VACANT LOT
6.	PROPOSED LAND USE:	COMMERCIAL (AUTO DEALER)
7.	ADJACENT LAND USE:	COMMERCIAL/ PUMP STATION

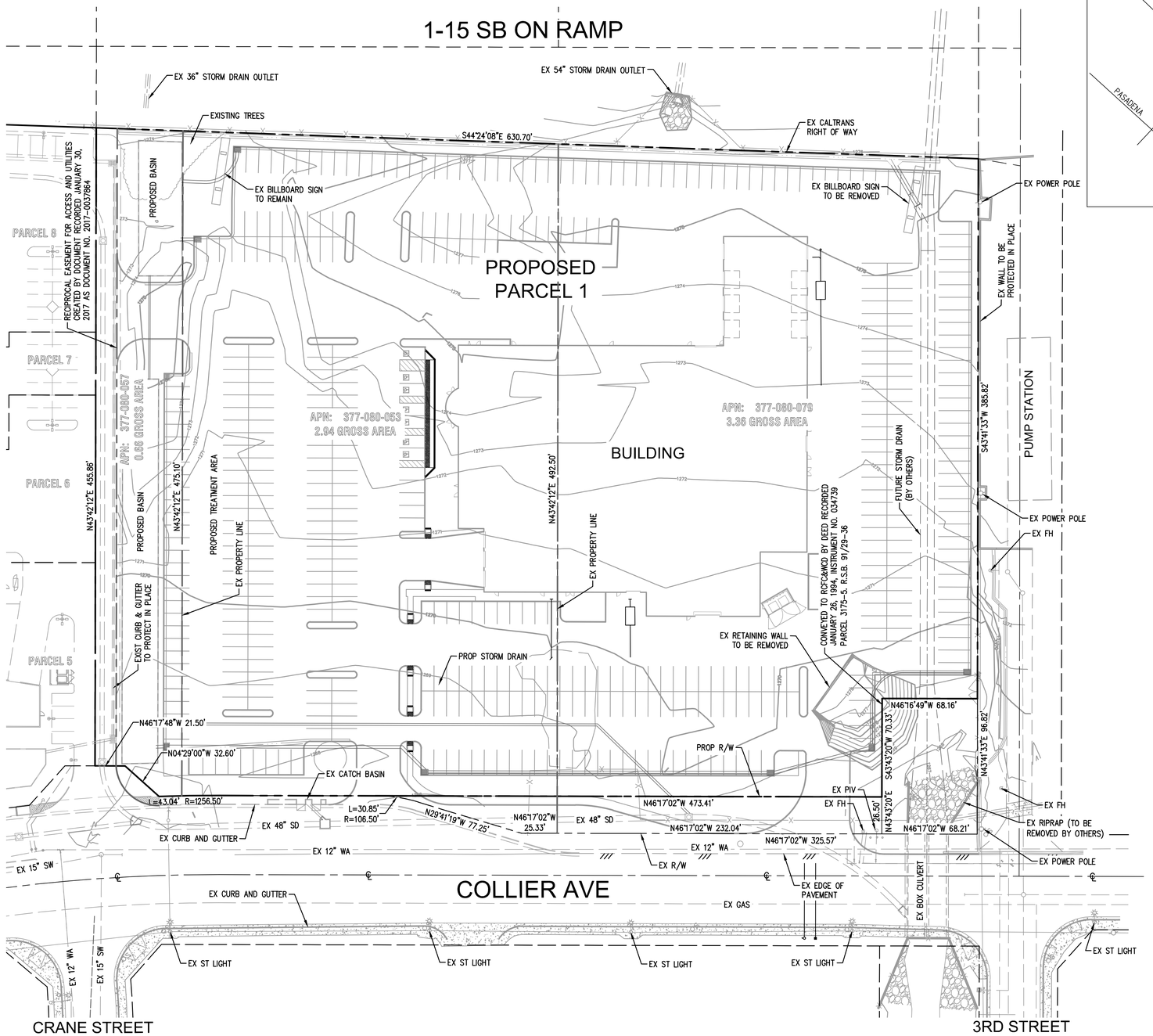
EARTHWORK QUANTITIES

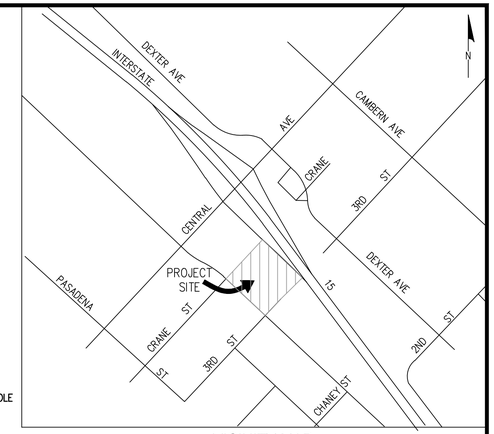
8.	TOTAL AREA:	
	GROSS AREA:	6.96 A.C.
	NET AREA:	6.63 A.C.
9.	EARTHWORK	
	CUT:	3,800 CY
	FILL:	24,000 CY
	IMPORT:	20,200 CY

10. ALL SLOPES SHALL BE 2:1 UNLESS OTHERWISE INDICATED
11. STREETS WILL BE CONSTRUCTED PER CITY STANDARDS
12. ALL PROPOSED ACCESS ROADS/ STREETS ARE PRIVATE



MAJOR ARTERIAL
TYPICAL SECTION
COLLIER STREET
NOT TO SCALE





VICINITY MAP
NOT TO SCALE

UTILITY PURVEYORS

DOMESTIC WATER:

ELSINORE VALLEY MUNICIPAL WATER DISTRICT
31315 CHANEY ST
LAKE ELSINORE, CA 92531
(951) 674-3146

SEWAGE DISPOSAL SERVICE:

ELSINORE VALLEY MUNICIPAL WATER DISTRICT
31315 CHANEY ST
LAKE ELSINORE, CA 92531
(951) 674-3146

ELECTRICAL SERVICE:

SOUTHERN CALIFORNIA EDISON
(800) 655-4555

NATURAL GAS SERVICES:

SOUTHERN CALIFORNIA GAS COMPANY
(800) 427-2200

TELEPHONE SERVICES:

VERIZON
(800) 483-5000

FIRE PROTECTION SERVICES:

LAKE ELSINORE FIRE DEPARTMENT
(951) 674-3124

LEGEND

PROPERTY BOUNDARY	
PROPOSED 2:1 UNLESS OTHERWISE NOTED	
FIRE HYDRANT	FH
WATER	WA
GRADE BREAK	GB
TOP OF CURB	TC
FINISH SURFACE	FS
LOT NUMBER	1
DIRECTION OF FLOW	
PROPOSED FIRE HYDRANT	
FDC/ PIV	

40 0 40 80
scale 1"= 40' feet

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TWO WORKING DAYS BEFORE YOU DIG
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NO.	DESCRIPTION	DATE	BY
	REVISONS		

REGISTERED PROFESSIONAL ENGINEER AARON W. COOK No. 80362 CIVIL STATE OF CALIFORNIA

DAVID EVANS AND ASSOCIATES INC.
41951 Remington Avenue Suite 220
Temecula California 92590-2553
Phone: 951.294.9300

PREPARED UNDER THE SUPERVISION OF:

AARON W. COOK R.C.E. 80362 DATE:

SRZ YUMA, LLC
LAKE ELSINORE HONDA

DRAWN BY:	TENTATIVE PARCEL MAP NO. XXXXX	SCALE: AS SHOWN
DESIGNED BY:		DATE: 11-17-2017
CHECKED BY: DSBU	APPROVED BY: CITY ENGINEER DATE	SHT NO.: 1 OF 1

Drawing Name: P:\01JOBS\SRZ\00001\04GRADING\SHEETS\Tentative Map\01_DRGSRZ*0001_tpm1.dwg
Last Opened: Feb 28, 2018 - 7:42am By: aaw

Appendix 3: Soils Information

Geotechnical Study and Other Infiltration Testing Data

- *Salem Engineering Group, Inc. Geotechnical Investigation*

GEOTECHNICAL • ENVIRONMENTAL • GEOLOGY • MATERIALS TESTING & INSPECTION • FORENSIC • LABORATORY

SALEM
engineering group, inc.

GEOTECHNICAL ENGINEERING INVESTIGATION

PROPOSED HONDA AUTO DEALERSHIP
COLLIER AVENUE AND 3RD STREET
LAKE ELSINORE, CALIFORNIA

SALEM PROJECT NO. 3-217-0354
APRIL 28, 2017

PREPARED FOR:

MR. CECIL DILLON
DILLON & MURPHY ENGINEERING
P.O. BOX 2180
LODI, CA 95241

PREPARED BY:

SALEM ENGINEERING GROUP, INC.
11650 MISSION PARK DR., #108
RANCHO CUCAMONGA, CA 91730
P: (909) 980-6455
F: (909) 980-6435
www.salem.net

SALEM
engineering group, inc.

11650 Mission Park Dr., #108
Rancho Cucamonga, CA 91730
Phone (909) 980-6455
Fax (909) 980-6435

April 28, 2017 Project No. 3-217-0354

Mr. Cecil Dillon
Dillon & Murphy Engineering
P.O. Box 2180
Lodi, CA 95241

SUBJECT: GEOTECHNICAL ENGINEERING INVESTIGATION
PROPOSED HONDA AUTO DEALERSHIP
COLLIER AVENUE AND 3RD STREET
LAKE ELSINORE, CALIFORNIA

Dear Mr. Dillon:

At your request and authorization, SALEM Engineering Group, Inc. (SALEM) has prepared this Geotechnical Engineering Investigation report for the Proposed Honda Auto Dealership to be located at the subject site.

The accompanying report presents our findings, conclusions, and recommendations regarding the geotechnical aspects of designing and constructing the project as presently proposed. In our opinion, the proposed project is feasible from a geotechnical viewpoint provided our recommendations are incorporated into the design and construction of the project.

We appreciate the opportunity to assist you with this project. Should you have questions regarding this report or need additional information, please contact the undersigned at (909) 980-6455.

Respectfully Submitted,

SALEM ENGINEERING GROUP, INC.

Clarence Jiang, GE
Senior Geotechnical Engineer
RGE 2477

REGISTERED PROFESSIONAL ENGINEER
CLARENCE T. JIANG
No. 2477
Exp. 6/30/17
GEOTECHNICAL
STATE OF CALIFORNIA

R. Sammy Salem, MS, PE, GE
Principal Engineer
RCE 52762 / RGE 2549

REGISTERED PROFESSIONAL ENGINEER
R. SAMMY SALEM
GE 2549
Exp. Dec. 31, 2018
GEOTECHNICAL
STATE OF CALIFORNIA

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- Figures A-1 through A-9, Logs of Exploratory Soil Borings B-1 through B-9
- Percolation Test Results, P-1 through P-3

APPENDIX B – LABORATORY TESTING
- Consolidation Test Results
- Direct Shear Test Results
- Gradation Curves
- Expansion Index Test Results
- Corrosivity Test Results
- Maximum Density and Optimum Moisture Proctor Test Results

APPENDIX C – EARTHWORK AND PAVEMENT SPECIFICATIONS

SALEM
engineering group, inc.

11650 Mission Park Drive, Suite 108
Rancho Cucamonga, CA 91730
Phone (909) 980-6455
Fax (909) 980-6435

GEOTECHNICAL ENGINEERING INVESTIGATION
PROPOSED HONDA AUTO DEALERSHIP
COLLIER AVENUE AND 3RD STREET
LAKE ELSINORE, CALIFORNIA

1. PURPOSE AND SCOPE

This report presents the results of our Geotechnical Engineering Investigation for the Proposed Honda Auto Dealership to be located at the north corner of the intersection of Collier Avenue and 3rd Street in Lake Elsinore, California (see Figure 1, Vicinity Map).

The purpose of our geotechnical engineering investigation was to observe and sample the subsurface conditions encountered at the site, and provide conclusions and recommendations relative to the geotechnical aspects of constructing the project as presently proposed.

The scope of this investigation included a field exploration, laboratory testing, engineering analysis and the preparation of this report. Our field exploration was performed on April 12, 2017 and included the drilling of nine (9) small-diameter soil borings to a maximum depth of 50 feet at the site. Additionally, three (3) percolation tests were performed on April 13, 2017 at depths of approximately 6 to 8 feet below existing grade for determination of the percolation rates. The locations of the soil borings and the percolation tests are depicted on Figure 2, Site Plan. A detailed discussion of our field investigation and exploratory boring logs are presented in Appendix A.

Laboratory tests were performed on selected soil samples obtained during the investigation to evaluate pertinent physical properties for engineering analyses. Appendix B presents the laboratory test results in tabular and graphic format.

The recommendations presented herein are based on analysis of the data obtained during the investigation and our experience with similar soil and geologic conditions.

If project details vary significantly from those described herein, SALEM should be contacted to determine the necessity for review and possible revision of this report. Earthwork and Pavement Specifications are presented in Appendix C. If text of the report conflict with the specifications in Appendix C, the recommendations in the text of the report have precedence.

2. PROJECT DESCRIPTION

We understand that the proposed development of the site will include construction of a new Honda Auto dealership on an approximately 6 acres of vacant land. On-site parking and landscaping are planned to be associated with the development.

Concrete and asphaltic concrete pavement for parking area, customers travel lanes, and truck lane are to be designed for standard duty and heavy-duty traffic loading based on an Equivalent Single Axle Load (ESAL) of 18 kips, a maximum load of 60,000 ESAL and a design life of 20 years. The pavement design recommendations provided herein are based on the State of California Department (CALTRANS) design manual.

A site grading plan was not available at the time of preparation of this report. Based on the current site conditions, slight to moderate cuts and fills may be required during the earthwork construction to provide level building pads and positive site drainage. In the event that changes occur in the nature or design of the project, the conclusions and recommendations contained in this report will not be considered valid unless the changes are reviewed and the conclusions of our report are modified. The site configuration and locations of proposed improvements are shown on the Site Plan, Figure 2.

3. SITE LOCATION AND DESCRIPTION

The subject site is located on the north corner of the intersection of Collier Avenue and 3rd Street in Lake Elsinore, California (see Vicinity Map, Figure 1). The site is rectangular in shape and encompasses approximately 6 acres. The site is bounded by Interstate I-15 on-ramp to the northeast, a pump station and 3rd Street to the southeast, Collier Avenue to the southwest, and a vacant lot to the northwest.

The site is currently a vacant undeveloped land covered mainly with seasonal grasses and trees on the northwest boundary. Asphalt paved areas were located on the southern portion of the site. Two billboard signs were observed on the northern boundary of the site. A retaining wall was located on the southern corner of the site. Stockpiles of soil were observed around the retaining wall area. The site is gently sloping to the southwest with elevations ranging between 1,278 feet to 1,269 feet above mean sea level based on Google Earth imagery.

4. FIELD EXPLORATION

Our field exploration consisted of site surface reconnaissance and subsurface exploration. The exploratory test borings (B-1 through B-9) were drilled on April 12, 2017 in the area shown on the Site Plan, Figure 2. The test borings were advanced with an 8-inch diameter hollow stem auger rotated by a truck-mounted Mobile B-61 drill rig. The test borings were extended to a maximum depth of 50 feet below existing grade.

The materials encountered in the test borings were visually classified in the field, and logs were recorded by a field engineer and stratification lines were approximated on the basis of observations made at the time of drilling. Visual classification of the materials encountered in the test borings were generally made in accordance with the Unified Soil Classification System (ASTM D2487).

A soil classification chart and key to sampling is presented on the Unified Soil Classification Chart, in Appendix "A." The logs of the test borings are presented in Appendix "A." The Boring Logs include the soil type, color, moisture content, dry density, and the applicable Unified Soil Classification System symbol. The location of the test borings were determined by measuring from features shown on the Site Plan, provided to us. Hence, accuracy can be implied only to the degree that this method warrants. The

actual boundaries between different soil types may be gradual and soil conditions may vary. For a more detailed description of the materials encountered, the Boring Logs in Appendix "A" should be consulted.

Soil samples were obtained from the test borings at the depths shown on the logs of borings. The MCS samples were recovered and capped at both ends to preserve the samples at their natural moisture content; SPT samples were recovered and placed in a sealed bag to preserve their natural moisture content. The borings were backfilled with soil cuttings after completion of the drilling.

5. LABORATORY TESTING

Laboratory tests were performed on selected soil samples to evaluate their physical characteristics and engineering properties. The laboratory-testing program was formulated with emphasis on the evaluation of natural moisture, density, shear strength, consolidation potential, expansion index, maximum density and optimum moisture determination, and gradation of the materials encountered.

In addition, chemical tests were performed to evaluate the corrosivity of the soils to buried concrete and metal. Details of the laboratory test program and the results of laboratory test are summarized in Appendix "B." This information, along with the field observations, was used to prepare the final boring logs in Appendix "A."

6. GEOLOGIC SETTING

The subject site is located within the Peninsular Range Geomorphic Province, an area characterized by active northeast trending strike slip faults, including the San Jacinto to the northwest, and the Elsinore to the southwest. The project site is situated between the Santa Rosa Mountains and the San Jacinto Mountains to the east; and Santa Ana Mountains to the west and south. The near-surface deposits in the vicinity of the subject site are comprised of recent alluvium consisting of unconsolidated sands, silt, and clays derived from erosion of local mountain ranges. Deposits encountered on the subject site during exploratory drilling are discussed in detail in this report.

7. GEOLOGIC HAZARDS

7.1 Faulting and Seismicity

The Peninsular Range has historically been a province of relatively high seismic activity. The nearest faults to the project site are associated with the Elsinore Fault system located approximately 1.4 miles from the site. There are no known active fault traces in the project vicinity. Based on mapping and historical seismicity, the seismicity of the Peninsular Range has been generally considered high by the scientific community.

The project area is not within an Alquist-Priolo Earthquake Fault (Special Studies) Zone and will not require a special site investigation by an Engineering Geologist. Soils on site are classified as Site Class D in accordance with Chapter 16 of the California Building Code. The proposed structures are determined to be in Seismic Design Category E.

To determine the distance of known active faults within 100 miles of the site, we used the United States Geological Survey (USGS) web-based application *2008 National Seismic Hazard Maps - Fault*

Parameters. Site latitude is 33.6890° North; site longitude is 117.3366° West. The ten closest active faults are summarized below in Table 7.1.

TABLE 7.1
REGIONAL FAULT SUMMARY

Fault Name	Distance to Site (miles)	Maximum Earthquake Magnitude, M_w
Elsinore; W+GI	1.4	7.3
Elsinore; W+GI+T+J+CM	1.7	7.9
Elsinore; T+J+CM	2.8	7.6
Chino, alt 2	16.2	6.8
Elsinore; W	17.5	7.0
Chino, alt 1	18.8	6.7
San Jacinto; A+CC+B+SM	19.1	7.6
San Jacinto; SBV+SJV+A+CC+B+SM	20.4	7.9
San Joaquin Hills	20.5	7.1
San Jacinto; SBV+SJV	20.5	7.4

The faults tabulated above and numerous other faults in the region are sources of potential ground motion. However, earthquakes that might occur on other faults throughout California are also potential generators of significant ground motion and could subject the site to intense ground shaking.

7.2 Surface Fault Rupture

The site is not within a currently established State of California Earthquake Fault Zone for surface fault rupture hazards. No active faults with the potential for surface fault rupture are known to pass directly beneath the site. Therefore, the potential for surface rupture due to faulting occurring beneath the site during the design life of the proposed development is considered low.

7.3 Ground Shaking

We used the USGS web-based application *US Seismic Design Maps* to estimate the peak ground acceleration adjusted for site class effects (PGA_M). Because of the proximity to the subject site and the maximum probable events for these faults, it appears that a maximum probable event along the fault zones could produce a peak horizontal acceleration of approximately 0.888g (2% probability of being exceeded in 50 years). While listing PGA is useful for comparison of potential effects of fault activity in a region, other considerations are important in seismic design, including frequency and duration of motion and soil conditions underlying the site.

7.4 Liquefaction

Soil liquefaction is a state of soil particles suspension caused by a complete loss of strength when the effective stress drops to zero. Liquefaction normally occurs under saturated conditions in soils such as sand in which the strength is purely frictional. Primary factors that trigger liquefaction are: moderate to strong ground shaking (seismic source), relatively clean, loose granular soils (primarily poorly graded sands and silty sands), and saturated soil conditions (shallow groundwater). Due to the increasing

overburden pressure with depth, liquefaction of granular soils is generally limited to the upper 50 feet of a soil profile. However, liquefaction has occurred in soils other than clean sand.

The soils encountered within the depth of 50 feet on the project site consisted predominately of silty sand with varying amounts of clay and gravel, silty sand/sandy silt with varying amounts of clay, sandy silt with varying amounts of clay, clayey silt, and silty sand/sand. The historically highest groundwater is estimated to be at a depth of 10 feet below ground surface according to County of Riverside Geologic Hazards Map (2004) and regional groundwater well data. Low to very low cohesion strength is associated with the sandy soil. A seismic hazard, which could cause damage to the proposed development during seismic shaking, is the post-liquefaction settlement of the liquefied sands.

The potential for soil liquefaction during a seismic event was evaluated using LiqIT computer program (version 4.7.5) developed by GeoLogismiki of Greece. For the analysis, a maximum earthquake magnitude of 7.9 M_w and a peak horizontal ground surface acceleration of 0.89g (with a 2 percent probability of exceedance in 50 years) and a groundwater depth of 10 feet were considered appropriate for the liquefaction analysis. In addition, at each depth within the upper 20 feet, the average blow count between the 5 building test borings was used for the analysis. The liquefaction analysis indicated that the site soils had a moderate potential for liquefaction under seismic conditions and the total liquefaction-induced settlement was calculated to be 2.03 inches. For relatively uniform soil conditions, the differential liquefaction-induced settlement is estimated to be 50 percent of the total liquefaction-induced. Therefore, the differential liquefaction-induced settlement is estimated to be approximately 1 inch over a horizontal distance of 20 feet. The proposed site preparation methods recommended on our geotechnical report should address these geotechnical issues. The liquefaction settlement analysis is included in Appendix A.

7.5 Lateral Spreading

Lateral spreading is a phenomenon in which soils move laterally during seismic shaking and is often associated with liquefaction. The amount of movement depends on the soil strength, duration and intensity of seismic shaking, topography, and free face geometry. Due to the relatively flat site topography and low liquefaction potential, we judge the likelihood of lateral spreading to be low.

7.6 Landslides

There are no known landslides at the site, nor is the site in the path of any known or potential landslides. We do not consider the potential for a landslide to be a hazard to this project.

7.7 Tsunamis and Seiches

The site is not located within a coastal area. Therefore, tsunamis (seismic sea waves) are not considered a significant hazard at the site. Seiches are large waves generated in enclosed bodies of water in response to ground shaking. No major water-retaining structures are located immediately up gradient from the project site. Flooding from a seismically-induced seiche is considered unlikely.

8. SOIL AND GROUNDWATER CONDITIONS

8.1 Subsurface Conditions

The subsurface conditions encountered appear typical of those found in the geologic region of the site. In general, the soils within the depth of exploration consisted of alluvium deposits of loose to very dense silty sand with varying amounts of clay and gravel, loose silty sand/sandy silt with varying amounts of clay, soft to very stiff sandy silt with varying amounts of clay, very stiff clayey silt, and medium dense silty sand/sand.

No significant fill was encountered in our borings. Fill soils may be present onsite between our test boring locations. Verification of the extent of fill should be determined during site grading. Field and laboratory tests suggest that the deeper native soils are moderately strong and slightly compressible. These soils extended to the termination depth of our borings.

The soils were classified in the field during the drilling and sampling operations. The stratification lines were approximated by the field engineer on the basis of observations made at the time of drilling. The actual boundaries between different soil types may be gradual and soil conditions may vary. For a more detailed description of the materials encountered, the Boring Logs in Appendix "A" should be consulted.

The Boring Logs include the soil type, color, moisture content, dry density, and the applicable Unified Soil Classification System symbol. The locations of the test borings were determined by measuring from feature shown on the Site Plan, provided to us. Hence, accuracy can be implied only to the degree that this method warrants.

8.2 Groundwater

The test boring locations were checked for the presence of groundwater during and after the drilling operations. Free groundwater was encountered during this investigation at a depths approximately between 16 to 18 feet below existing grades. The historically highest groundwater is estimated to be at a depth of 10 feet below ground surface according to the County of Riverside Geologic Hazards Map (2004) and regional groundwater well data.

It should be recognized that water table elevations may fluctuate with time, being dependent upon seasonal precipitation, irrigation, land use, localized pumping, and climatic conditions as well as other factors. Therefore, water level observations at the time of the field investigation may vary from those encountered during the construction phase of the project. The evaluation of such factors is beyond the scope of this report.

8.3 Soil Corrosion Screening

Excessive sulfate in either the soil or native water may result in an adverse reaction between the cement in concrete and the soil. The 2011 Edition of ACI 318 has established criteria for evaluation of sulfate and chloride levels and how they relate to cement reactivity with soil and/or water.

A soil sample was obtained from the project site and was tested for the evaluation of the potential for concrete deterioration or steel corrosion due to attack by soil-borne soluble salts and soluble chloride. The water-soluble sulfate concentration in the saturation extract from the soil samples was detected to be 280 mg/kg. ACI 318 Tables 4.2.1 and 4.3.1 outline exposure categories, classes, and concrete requirements by exposure class. ACI 318 requirements for site concrete based upon the three different soil samples soluble sulfate are summarized in Table 8.3 below.

TABLE 8.3
WATER SOLUBLE SULFATE EXPOSURE REQUIREMENTS

Water-Soluble Sulfate (SO_4) in Soil, % by Weight	Exposure Severity	Exposure Class	Maximum w/cm Ratio	Minimum Concrete Compressive Strength	Cementitious Materials Type
0.0280	Not Applicable	S0	N/A	2,500 psi	No Restriction

The water-soluble chloride concentrations detected in saturation extract from the soil sample was 109 mg/kg. This level of chloride concentration is not considered to be severely corrosive. It is recommended that a qualified corrosion engineer be consulted regarding protection of buried steel or ductile iron piping and conduit or, at a minimum, applicable manufacturer's recommendations for corrosion protection of buried metal pipe be closely followed.

8.4 Percolation Testing

Three (3) percolation tests (P-1 through P-3) were performed within assumed infiltration areas and were conducted in accordance with the Riverside County Design Handbook for Low Impact Development Best Management Practices. The approximate locations of the percolation tests are shown on the attached Site Plan, Figure 2.

Three 8-inch diameter boreholes were advanced to the depths shown on the percolation test worksheets. The holes were pre-saturated a minimum of 18 hours and maximum of 24 hours before percolation testing commenced. Percolation rates were measured by filling the test holes with clean water and measuring the water drops at a certain time interval. The percolation rate data are presented in tabular format at the end of this Report. The difference in the percolation rates are reflected by the varied type of soil materials at the bottom of the test holes. The test results are shown on the table below.

PERCOLATION TEST RESULTS

Test No.	Depth (feet)	Measured Percolation Rate (min/inch)	Infiltration Rate* (inch/hour)	Soil Type
P-1	8	42	0.23	Silty SAND (SM)
P-2	6	42	0.34	Silty SAND (SM)
P-3	7	36	0.30	Silty SAND (SM)

*** Tested infiltration Rate = (ΔH 60 r) / (Δt(r + 2H_{avg}))**

The soil infiltration or percolation rates are based on tests conducted with clear water. The infiltration/percolation rates may vary with time as a result of soil clogging from water impurities. The infiltration/percolation rates will deteriorate over time due to the soil conditions and an appropriate factor of safety (FS) may be applied. The owner or civil engineer may elect to use a lower FS for the design; however, more frequent maintenance will be expected. The soils may also become less permeable to impermeable if the soil is compacted. Thus, periodic maintenance consisting of clearing the bottom of the drainage system of clogged soils should be expected.

The infiltration/percolation rate may become slower if the surrounding soil is wet or saturated due to prolonged rainfalls. Additional percolation tests may be conducted at bottom of the drainage system during construction to verify the infiltration/percolation rate. Groundwater, if closer to the bottom of the drainage system, will also reduce the infiltration/percolation rate.

The scope of our services did not include a groundwater study and was limited to the performance of percolation testing and soil profile description, and the submitted data only. Our services did not include those associated with septic system design. Neither did services include an Environmental Site Assessment for the presence or absence of hazardous and/or toxic materials in the soil, groundwater, or atmosphere; or the presence of wetlands.

Any statements, or absence of statements, in this report or on any boring logs regarding odors, unusual or suspicious items, or conditions observed, are strictly for descriptive purposes and are not intended to convey engineering judgment regarding potential hazardous and/or toxic assessment. The geotechnical engineering information presented herein is based upon professional interpretation utilizing standard engineering practices. The work conducted through the course of this investigation, including the preparation of this report, has been performed in accordance with the generally accepted standards of geotechnical engineering practice, which existed in the geographic area at the time the report was written. No other warranty, express or implied, is made.

Please be advised that when performing percolation testing services in relatively small diameter borings, that the testing may not fully model the actual full scale long term performance of a given site. This is particularly true where percolation test data is to be used in the design of large infiltration system such as may be proposed for the site.

The measured percolation rate includes dispersion of the water at the sidewalls of the boring as well as into the underlying soils. Subsurface conditions, including percolation rates, can change over time as fine-grained soils migrate. It is not warranted that such information and interpretation cannot be superseded by future geotechnical engineering developments. We emphasize that this report is valid for the project outlined above and should not be used for any other sites.

9. CONCLUSIONS AND RECOMMENDATIONS

9.1 General

9.1.1 Based upon the data collected during this investigation, and from a geotechnical engineering standpoint, it is our opinion that the site is suitable for the proposed construction of improvements at the site as planned, provided the recommendations contained in this report are incorporated into the project design and construction. Conclusions and recommendations

provided in this report are based on our review of available literature, analysis of data obtained from our field exploration and laboratory testing program, and our understanding of the proposed development at this time.

9.1.2 The primary geotechnical constraints identified in our investigation is the presence of potentially compressible and potentially liquefiable material at the site. Recommendations to mitigate the effects of these soils are provided in this report.

9.1.3 Fill materials may be present on site between boring locations. Undocumented fill materials are not suitable to support any future structures and should be excavated and replaced with Engineered Fill. Prior to fill placement, SALEM should inspect the bottom of the excavation to verify the bottom condition.

9.1.4 The site is currently compromised of an undeveloped land that is covered by native grasses and trees on the northern boundary. Surface vegetation consisting of grasses and other similar vegetation should be removed by stripping to a sufficient depth to remove organic-rich topsoil. The upper 4 to 6 inches of the soils containing, vegetation, roots and other objectionable organic matter encountered at the time of grading should be stripped and removed from the surface. Deeper stripping may be required in localized areas. The stripped vegetation, will not be suitable for use as Engineered Fill or within 5 feet of building pads or within pavement areas. However, stripped topsoil may be stockpiled and reused in landscape or non-structural areas or exported from the site.

9.1.5 Tree root systems in proposed improvement areas should be removed to a minimum depth of 3 feet and to such an extent which would permit removal of all roots greater than ½ inch in diameter. Tree roots removed in parking areas may be limited to the upper 1½ feet of the ground surface. Backfill of tree root excavations is not permitted until all exposed surfaces have been inspected and the Soils Engineer is present for the proper control of backfill placement and compaction. Burning in areas which are to receive fill materials shall not be permitted.

9.1.6 Asphalt paved areas were located on the southern portion of the site. Two billboard signs were observed on the northern boundary of the site. A retaining wall was located on the southern corner of the site. Stockpiles of soil were observed around the retaining wall area. Site demolition activities shall include removal of all surface obstructions not intended to be incorporated into final site design. In addition, underground buried structures and/or utility lines encountered during demolition and construction should be properly removed and the resulting excavations backfilled with Engineered Fill. It is suspected that possible demolition activities of the existing structures may disturb the upper soils. After demolition activities, it is recommended that disturbed soils be removed and/or recompacted.

9.1.7 In order to reduce differential settlement due to cut/fill transition zones, additional cut is required for cut/fill transition zones greater than 5 feet. All structures that are in cut/fill transition zones greater than 5 feet should be cut one-half the thickness of the fill placed on the "fill" portion to a maximum depth of 5 feet

9.1.8 Loose sandy soils were encountered within the soil borings at the project site. A seismic hazard, which could cause damage to the proposed development during seismic shaking, is the post-liquefaction settlement of liquefied sands. Liquefaction potential at the site was evaluated using the "LiqIT" computer program. Based on our evaluation, the potential for liquefaction at the site is moderate. Mitigation measures are recommended to minimize structural damage due to the liquefaction. The potential for structural damage at the site can be minimized by using geogrid (see Section 9.6), a structural slab system (see Section 9.7), stone columns, or supporting the building on a deep foundation system.

9.1.9 Geogrid is a commonly and economically method to reduce structural damage due to liquefaction. This method has been accepted by cities and counties throughout California, and implemented into design and construction of many retail buildings. However, this method may not be accepted by some local jurisdictions. We have no control for the acceptance of this method for this project. To use the geogrid method, it's recommended the proposed buildings be designed and the structural drawings be prepared after this report is approved by the City of Lake Elsinore.

9.1.10 Recommendations for the geogrid system (option 1) are provided herein. As an alternative to the use of geogrid, the proposed structure may be supported by a structural slab system. A structural slab system will help reduce structural damage caused by liquefaction. Recommendations for a structural slab system (option 2) are provided in the Foundation's section of this report.

9.1.11 In lieu of the geogrid reinforcement method or the structural slab system, the buildings may be supported on deep foundations or by utilizing stone columns. Recommendations for a deep foundation system or the stone column method may be provided to the client by Salem Engineering Group, Inc. upon request.

9.1.12 SALEM shall review the project grading and foundation plans prior to final design submittal to assess whether our recommendations have been properly implemented and evaluate if additional analysis and/or recommendations are required. If SALEM is not provided plans and specifications for review, we cannot assume any responsibility for the future performance of the project.

9.1.13 SALEM shall be present at the site during site demolition and preparation to observe site clearing/demolition, preparation of exposed surfaces after clearing, and placement, treatment and compaction of fill material.

9.1.14 SALEM's observations should be supplemented with periodic compaction tests to establish substantial conformance with these recommendations. Moisture content of footings and slab subgrade should be tested immediately prior to concrete placement. SALEM should observe foundation excavations prior to placement of reinforcing steel or concrete to assess whether the actual bearing conditions are compatible with the conditions anticipated during the preparation of this report.

9.2 Seismic Design Criteria

9.2.1 For seismic design of the structures, and in accordance with the seismic provisions of the 2016 CBC, our recommended parameters are shown below. These parameters are based on Probabilistic Ground Motion of 2% Probability of Exceedance in 50 years. The Site Class was determined based on the results of our field exploration.

TABLE 9.2.1
2016 CBC SEISMIC DESIGN PARAMETERS

Seismic Item	Symbol	Value	2016 CBC Reference
Site Coordinates (Datum = NAD 83)		33.6890 Lat -117.3366 Lon	
Site Class	--	D	ASCE 7 Table 20.3
Soil Profile Name	--	Stiff Soil	ASCE 7 Table 20.3
Risk Category	--	II	CBC Table 1604.5
Site Coefficient for PGA	F_{PGA}	1.000	ASCE 7 Table 11.8-1
Peak Ground Acceleration (adjusted for Site Class effects)	PGA_M	0.888	ASCE 7 Equation 11.8-1
Seismic Design Category	SDC	E	ASCE 7 Table 11.6-1 & 2
Mapped Spectral Acceleration (Short period - 0.2 sec)	S_S	2.273 g	CBC Figure 1613.3.1(1-6)
Mapped Spectral Acceleration (1.0 sec. period)	S_1	0.906 g	CBC Figure 1613.3.1(1-6)
Site Class Modified Site Coefficient	F_a	1.000	CBC Table 1613.3.3(1)
Site Class Modified Site Coefficient	F_v	1.500	CBC Table 1613.3.3(2)
MCE Spectral Response Acceleration (Short period - 0.2 sec) $S_{MS} = F_a S_S$	S_{MS}	2.273 g	CBC Equation 16-37
MCE Spectral Response Acceleration (1.0 sec. period) $S_{M1} = F_v S_1$	S_{M1}	1.359 g	CBC Equation 16-38
Design Spectral Response Acceleration $S_{DS}=⅔S_{MS}$ (short period - 0.2 sec)	S_{DS}	1.516 g	CBC Equation 16-39
Design Spectral Response Acceleration $S_{D1}=⅔S_{M1}$ (1.0 sec. period)	S_{D1}	0.906 g	CBC Equation 16-40

9.2.2 Conformance to the criteria in the above table for seismic design does not constitute any kind of guarantee or assurance that significant structural damage or ground failure will not occur if a large earthquake occurs. The primary goal of seismic design is to protect life, not to avoid all damage, since such design may be economically prohibitive.

9.3 Soil and Excavation Characteristics

9.3.1 Based on the soil conditions encountered in our soil borings, the onsite soils can be excavated with moderate effort using conventional heavy-duty excavation equipment.

9.3.2 It is the responsibility of the contractor to ensure that all excavations and trenches are properly shored and maintained in accordance with applicable Occupational Safety and Health Administration (OSHA) rules and regulations to maintain safety and maintain the stability of adjacent existing improvements.

9.3.3 The upper soils are moisture-sensitive and moderately collapsible under saturated conditions. These soils, in their present condition, possess moderate risk to construction in terms of possible post-construction movement of the foundations and floor systems if no mitigation measures are employed. Accordingly, measures are considered necessary to reduce anticipated expansion and collapse potential. As recommended in Section 9.5, the upper soils should be overexcavated and recompacted. Mitigation measures will not eliminate post-construction soil movement, but will reduce the soil movement. Success of the mitigation measures will depend on the thoroughness of the contractor in dealing with the soil conditions.

9.3.4 The near surface soils identified as part of our investigation are, generally, moist due to the absorption characteristics of the soil. Earthwork operations may encounter very moist unstable soils which may require removal to a stable bottom. Exposed native soils exposed as part of site grading operations shall not be allowed to dry out and should be kept continuously moist prior to placement of subsequent fill.

9.4 Materials for Fill

9.4.1 Excavated soils generated from cut operations at the site are suitable for use as general Engineered Fill in structural areas, provided they do not contain deleterious matter, organic material, or rock material larger than 3 inches in maximum dimension.

9.4.2 Import soil shall be well-graded, slightly cohesive silty fine sand or sandy silt, with relatively impervious characteristics when compacted. A clean sand or very sandy soil is not acceptable for this purpose. This material should be approved by the Engineer prior to use and should typically possess the soil characteristics summarized below in Table 9.4.2.

TABLE 9.4.2
IMPORT FILL REQUIREMENTS

Minimum Percent Passing No. 200 Sieve	20
Maximum Percent Passing No. 200 Sieve	50
Minimum Percent Passing No. 4 Sieve	80
Maximum Particle Size	3"
Maximum Plasticity Index	12
Maximum CBC Expansion Index	20

9.4.3 The preferred materials specified for Engineered Fill are suitable for most applications with the exception of exposure to erosion. Project site winterization and protection of exposed soils during the construction phase should be the sole responsibility of the Contractor, since they have complete control of the project site.

9.4.4 Environmental characteristics and corrosion potential of import soil materials should also be considered.

9.4.5 Proposed import materials should be sampled, tested, and approved by SALEM prior to its transportation to the site.

9.5 Grading

9.5.1 A representative of our firm should be present during all site clearing and grading operations to test and observe earthwork construction. This testing and observation is an integral part of our service as acceptance of earthwork construction is dependent upon compaction of the material and the stability of the material. The Geotechnical Engineer may reject any material that does not meet compaction and stability requirements. Further recommendations of this report are predicated upon the assumption that earthwork construction will conform to recommendations set forth in this section as well as other portions of this report.

9.5.2 A preconstruction conference should be held at the site prior to the beginning of grading operations with the owner, contractor, civil engineer and geotechnical engineer in attendance.

9.5.3 Site preparation should begin with removal of existing surface/subsurface structures, underground utilities (as required), any existing uncertified fill, and debris. Excavations or depressions resulting from site clearing operations, or other existing excavations or depressions, should be restored with Engineered Fill in accordance with the recommendations of this report.

9.5.4 The site is currently compromised of an undeveloped land that is covered by native grasses and trees on the northern boundary. Surface vegetation consisting of grasses and other similar vegetation should be removed by stripping to a sufficient depth to remove organic-rich topsoil. The upper 4 to 6 inches of the soils containing, vegetation, roots and other objectionable organic matter encountered at the time of grading should be stripped and removed from the surface. Deeper stripping may be required in localized areas. The stripped vegetation, will not be suitable for use as Engineered Fill or within 5 feet of building pads or within pavement areas. However, stripped topsoil may be stockpiled and reused in landscape or non-structural areas or exported from the site.

9.5.5 Tree root systems in proposed improvement areas should be removed to a minimum depth of 3 feet and to such an extent which would permit removal of all roots greater than ½ inch in diameter. Tree roots removed in parking areas may be limited to the upper 1½ feet of the ground surface. Backfill of tree root excavations is not permitted until all exposed surfaces have been inspected and the Soils Engineer is present for the proper control of backfill placement and compaction. Burning in areas which are to receive fill materials shall not be permitted.

9.5.6 In order to reduce differential settlement due to cut/fill transition zones, additional cut is required for cut/fill transition zones greater than 5 feet. All structures that are in cut/fill transition zones greater than 5 feet should be cut one-half the thickness of the fill placed on the "fill" portion to a maximum depth of 5 feet.

9.5.7 Any fill materials encountered during grading should be removed and replaced with engineered fill. The actual depth of the overexcavation and recompaction should be determined by our field representative during construction.

9.5.8 Within pavement areas, it is recommended that overexcavation and recompaction be performed to a minimum depth of **18 inches below existing grade or proposed grade**, whichever is deeper. Deeper overexcavation may be required in some local areas to removal all the unsuitable materials.

9.5.9 Prior to placement of fill soils, the upper 10 to 12 inches of native subgrade soils should be scarified, moisture-conditioned to no less than the optimum moisture content and recompacted to a minimum of 95 percent (90 percent for cohesive soils) of the maximum dry density based on ASTM D1557 Test Method.

9.5.10 All Engineered Fill (including scarified ground surfaces and backfill) should be placed in thin lifts to allow for adequate bonding and compaction (typically 6 to 8 inches in loose thickness).

9.5.11 All Engineered Fill soils should be moisture conditioned to near optimum moisture content and compacted to at least 95% (90 % for cohesive soils) relative compaction.

9.5.12 Final pavement subgrade should be finished to a smooth, unyielding surface. We further recommend proof-rolling the subgrade with a loaded water truck (or similar equipment with high contact pressure) to verify the stability of the subgrade prior to placing aggregate base.

9.5.13 An integral part of satisfactory fill placement is the stability of the placed lift of soil. If placed materials exhibit excessive instability as determined by a SALEM field representative, the lift will be considered unacceptable and shall be remedied prior to placement of additional fill material. Additional lifts should not be placed if the previous lift did not meet the required dry density or if soil conditions are not stable.

9.5.14 The most effective site preparation alternatives will depend on site conditions prior to grading. We should evaluate site conditions and provide supplemental recommendations immediately prior to grading, if necessary.

9.5.15 We do not anticipate groundwater or seepage to adversely affect construction if conducted during the drier moths of the year (typically summer and fall). However, groundwater and soil moisture conditions could be significantly different during the wet season (typically winter and spring) as surface soil becomes wet; perched groundwater conditions may develop. Grading during this time period will likely encounter wet materials resulting in possible excavation and fill placement difficulties. Project site winterization consisting of placement of aggregate base and protecting exposed soils during construction should be performed. If the construction

schedule requires grading operations during the wet season, we can provide additional recommendations as conditions warrant.

9.5.16 The wet soils may become non conducive to site grading as the upper soils yield under the weight of the construction equipment. Therefore, mitigation measures should be performed for stabilization. Typical remedial measures include: discing and aerating the soil during dry weather; mixing the soil with dryer materials; removing and replacing the soil with an approved fill material or placement of crushed rocks or aggregate base material; or mixing the soil with an approved lime or cement product.

The most common remedial measure of stabilizing the bottom of the excavation due to wet soil condition is to reduce the moisture of the soil to near the optimum moisture content by having the subgrade soils scarified and aerated or mixed with drier soils prior to compacting. However, the drying process may require an extended period of time and delay the construction operation. To expedite the stabilizing process, crushed rock may be utilized for stabilization provided this method is approved by the owner for the cost purpose. If the use of crushed rock is considered, it is recommended that the upper soft and wet soils be replaced by 6 to 24 inches of ¾-inch to 1-inch crushed rocks. The thickness of the rock layer depends on the severity of the soil instability. The recommended 6 to 24 inches of crushed rock material will provide a stable platform.

It is further recommended that lighter compaction equipment be utilized for compacting the crushed rock. A layer of geofabric is recommended to be placed on top of the compacted crushed rock to minimize migration of soil particles into the voids of the crushed rock, resulting in soil movement. Although it is not required, the use of geogrid (e.g. Tensar BX 1100 or TX 140) below the crushed rock will enhance stability and reduce the required thickness of crushed rock necessary for stabilization.

Our firm should be consulted prior to implementing remedial measures to provide appropriate recommendations.

9.6 Option 1 - Shallow Foundations with Geogrid

9.6.1 The site is suitable for use of conventional shallow foundations consisting of continuous strip footings in combination with isolated spread footings bearing on geogrid reinforced Engineered Fill.

9.6.2 Subsurface soils within the site are prone to liquefaction under high ground shaking acceleration during an earthquake. Our preliminary calculations indicated that the building areas, and at least **5** feet beyond, should be over-excavated to a depth of **4 feet below existing grade or 4 feet below proposed footings**, whichever is greater, and the resulting excavation should be backfilled with a layered system of Engineered Fill and geogrid reinforcing fabric.

Any undocumented and uncompacted fills encountered during grading should be removed and replaced with engineered fill. The depth of the over-excavation should be measured from existing ground or rough pad grade, whichever is greater. A preliminary design procedure is provided below. Final design will be provided by the geogrid manufacturer along with our

office. Global seismic induced settlement of the site is still anticipated when liquefaction occurs.

Prior to placing the geogrid, the bottom of the subgrade should be scarified to a depth of 10 to 12 inches, moisture conditioned to near optimum moisture, and recompacted to a minimum of 95 percent (90 percent for cohesive soils) relative compaction based on ASTM D 1557 (Latest Edition).

The first layer of geogrid reinforcement will be placed directly on the prepared subgrade at a depth of 4 feet below existing grade or 4 feet below proposed footings, whichever is deeper. The geogrid material should be overlapped a minimum of 3 feet in all directions. The interlock between the geogrid and Engineered Fill will provide load transfer. No vehicles may traverse the geogrid prior to placement of the Engineered Fill cover.

The next layer of geogrid should be placed on top of the compacted Engineered Fill. This and subsequent layers need only be overlapped a minimum of 1 foot on all sides. The fill soils excavated from the area beneath the structure may be moisture conditioned and recompacted between geogrid layers as reinforced fill. The reinforced fill should be moisture conditioned to near optimum moisture content and recompacted to a minimum of 95 percent (90 percent for cohesive soils) of the maximum dry density based on ASTM D 1557 Test Method.

A total of two (2) geogrid layers, including the layer at the base of the excavation should be installed at vertical increments of 1 foot. The geogrid layers should extend to a minimum of 5 feet beyond the exterior footing perimeter of the structure. The geogrid reinforcement fabric should consist of Tensar® TX7 Geogrid. Any additional unstable soils within building areas should be excavated and backfilled with Engineered Fill.

It is recommended that the entire site be excavated at once, and soils be stockpiled on adjacent or nearby properties. The geogrid and excavated soil may then be placed and recompacted as recommended herein.

Alternatively, the contractor may elect to excavate the site in two stages, where excavated soil can be stockpiled over one-half of the site while the other half is mitigated. However, if the contractor elects the option of two stages over the preferred option of using one stage, a minimum of 5 feet of geogrid from the first half should overlap the second half. Furthermore, the overlapping geogrid should be protected from damages, which may be caused by operating equipment. It is further recommended that flexible utility connections be used for the project.

9.6.3 It is recommended that continuous bearing wall footings to be utilized for the building have a minimum width of 15 inches, and a minimum embedment depth of 18 inches below lowest adjacent pad grade. Isolated column footings should have a minimum width of 24 inches, and a minimum embedment depth of 18 inches below lowest adjacent pad grade.

9.6.4 Footing concrete should be placed into neat excavation. The footing bottoms shall be maintained free of loose and disturbed soil.

9.6.5 Footings proportioned as recommended above may be designed for the maximum allowable soil bearing pressures shown in the table below.

Loading Condition	Allowable Bearing
Dead Load Only	2,000 psf
Dead-Plus-Live Load	2,500 psf
Total Load, Including Wind or Seismic Loads	3,325 psf

9.6.6 For design purposes, total static settlement not exceeding 1 inch may be assumed for shallow foundations. Differential static settlement should not exceed ½ inch over 20 feet, producing an angular distortion of 0.002. Most of the settlement is expected to occur during construction as the loads are applied. However, additional post-construction settlement may occur if the foundation soils are flooded or saturated. The footing excavations should not be allowed to dry out any time prior to pouring concrete. The total settlement due to severe seismic loads is expected to be on the order of 2.03 inches. With the geogrid reinforcement, the seismic induced differential settlement is expected to be reduced to approximately ½ inch over 20 feet.

9.6.7 Resistance to lateral footing displacement can be computed using an allowable coefficient of friction factor of 0.36 acting between the base of foundations and the supporting native subgrade.

9.6.8 Lateral resistance for footings can alternatively be developed using an equivalent fluid passive pressure of 350 pounds per cubic foot acting against the appropriate vertical native footing faces. The frictional and passive resistance of the soil may be combined without reduction in determining the total lateral resistance. An increase of one-third is permitted when using the alternate load combination in Section 1605.3.2 of the 2015 IBC/2016 CBC that includes wind or earthquake loads.

9.6.9 Minimum reinforcement for continuous footings should consist of four No. 4 steel reinforcing bars; two placed near the top of the footing and two near the bottom. Reinforcement for spread footings should be designed by the project structural engineer.

9.6.10 Underground utilities running parallel to footings should not be constructed in the zone of influence of footings. The zone of influence may be taken to be the area beneath the footing and within a 1:1 plane extending out and down from the bottom edge of the footing.

9.6.11 The foundation subgrade should be sprinkled as necessary to maintain a moist condition without significant shrinkage cracks as would be expected in any concrete placement. Prior to placing rebar reinforcement, foundation excavations should be evaluated by a representative of SALEM for appropriate support characteristics and moisture content. Moisture conditioning may be required for the materials exposed at footing bottom, particularly if foundation excavations are left open for an extended period.

9.7 Option 2 – Structural Slabs

9.7.1 As an alternative to the geogrid method, the building may be supported on a reinforced structural slab foundation system (e.g. mat foundation, modified mat foundation, post-tensioned slab or stiffened footings with rigid grade beams) to resist damage due to seismic-induced differential settlement.

9.7.2 The foundation can be designed utilizing allowable bearing pressure of 1,500 pounds per square foot for dead-plus-live loads. This value may be increased by 1/3 for short duration loads such as wind or seismic. The thickness and reinforcement of the structural slab should be determined by the Structural Engineer.

9.7.3 The structural slab should have a minimum depth of 12 inches below the lowest adjacent exterior grade. The structural slab should be supported by at least 3 feet of Engineered Fill. Any undocumented and uncompacted fills encountered during grading should be removed and replaced with engineered fill.

9.7.4 The total settlement due to foundation loads (static) is not expected to exceed 1 inch. Differential settlement due to static loads should be less than ½ inch over 20 feet. Most of the settlement is expected to occur during construction as the loads are applied. However, additional post-construction settlement may occur if the foundation soils are flooded or saturated.

9.7.5 The seismic-induced total and differential settlements are expected to be on the order of 2.03 inches and 1 inch over 20 feet, respectively. It is further recommended that flexible utility connectors be used for this project.

9.7.6 Resistance to lateral footing displacement can be computed using an allowable friction factor of 0.36 acting between the base of foundations and the supporting subgrade. Lateral resistance for footings can alternatively be developed using an equivalent fluid passive pressure of 350 pounds per cubic foot acting against the appropriate vertical slab faces. The frictional and passive resistance of the soil may be combined without reduction in determining the total lateral resistance.

9.8 Concrete Slabs-on-Grade

9.8.1 Slab thickness and reinforcement should be determined by the structural engineer based on the anticipated loading. We recommend that non-structural slabs-on-grade be at least 4 inches thick and underlain by six (6) inches of compacted granular aggregate subbase material compacted to at least 95% relative compaction.

9.8.2 Granular aggregate subbase material shall conform to ASTM D-2940, Latest Edition (Table 1, bases) with at least 95 percent passing a 1½-inch sieve and not more than 8% passing a No. 200 sieve or its approved equivalents to prevent capillary moisture rise.

9.8.3 We recommend reinforcing slabs, at a minimum, with No. 3 reinforcing bars placed 18 inches on center, each way.

9.8.4 Slabs subject to structural loading may be designed utilizing a modulus of subgrade reaction K of 160 pounds per square inch per inch. The K value was approximated based on inter-relationship of soil classification and bearing values (Portland Cement Association, Rocky Mountain Northwest).

9.8.5 The spacing of crack control joints should be designed by the project structural engineer. In order to regulate cracking of the slabs, we recommend that full depth construction joints or control joints be provided at a maximum spacing of 15 feet in each direction for 5-inch thick slabs and 12 feet for 4-inch thick slabs.

9.8.6 Crack control joints should extend a minimum depth of one-fourth the slab thickness and should be constructed using saw-cuts or other methods as soon as practical after concrete placement. The exterior floors should be poured separately in order to act independently of the walls and foundation system.

9.8.7 It is recommended that the utility trenches within the structures be compacted, as specified in our report, to minimize the transmission of moisture through the utility trench backfill. Special attention to the immediate drainage and irrigation around the structures is recommended.

9.8.8 Moisture within the structures may be derived from water vapors, which were transformed from the moisture within the soils. This moisture vapor penetration can affect floor coverings and produce mold and mildew in the structures. To minimize moisture vapor intrusion, it is recommended that a vapor retarder be installed in accordance with manufacturer's recommendations and/or ASTM guidelines, whichever is more stringent. In addition, ventilation of the structures is recommended to reduce the accumulation of interior moisture.

9.8.9 In areas where it is desired to reduce floor dampness where moisture-sensitive coverings are anticipated, construction should have a suitable waterproof vapor retarder (a minimum of 15 mils thick polyethylene vapor retarder sheeting, Raven Industries "VaporBlock 15, Stego Industries 15 mil "StegoWrap" or W.R. Meadows Sealtight 15 mil "Perminator") incorporated into the floor slab design. The water vapor retarder should be decay resistant material complying with ASTM E96 not exceeding 0.04 perms, ASTM E154 and ASTM E1745 Class A. The vapor barrier should be placed between the concrete slab and the compacted granular aggregate subbase material. The water vapor retarder (vapor barrier) should be installed in accordance with ASTM Specification E 1643-94.

9.8.10 The concrete maybe placed directly on vapor retarder. The vapor retarder should be inspected prior to concrete placement. Cut or punctured retarder should be repaired using vapor retarder material lapped 6 inches beyond damaged areas and taped.

9.8.11 The recommendations of this report are intended to reduce the potential for cracking of slabs due to soil movement. However, even with the incorporation of the recommendations presented herein, foundations, stucco walls, and slabs-on-grade may exhibit some cracking due to soil movement. This is common for project areas that contain expansive soils since designing to eliminate potential soil movement is cost prohibitive. The occurrence of concrete shrinkage cracks is independent of the supporting soil characteristics. Their occurrence may be reduced and/or controlled by limiting the slump of the concrete, proper concrete placement and curing,

and by the placement of crack control joints at periodic intervals, in particular, where re-entrant slab corners occur.

9.8.12 Proper finishing and curing should be performed in accordance with the latest guidelines provided by the American Concrete Institute, Portland Cement Association, and ASTM.

9.9 Lateral Earth Pressures and Frictional Resistance

9.9.1 Active, at-rest and passive unit lateral earth pressures against footings and walls are summarized in the table below:

Lateral Pressure Drained and Level Backfill Conditions	**Equivalent Fluid Pressure, pcf**
Active Pressure	42
At-Rest Pressure	62
Passive Pressure	350
Related Parameters	
Allowable Coefficient of Friction	0.36
In-Place Soil Density (lbs/ft^3)	120

9.9.2 Active pressure applies to walls, which are free to rotate. At-rest pressure applies to walls, which are restrained against rotation. The preceding lateral earth pressures assume sufficient drainage behind retaining walls to prevent the build-up of hydrostatic pressure.

9.9.3 The top one-foot of adjacent subgrade should be deleted from the passive pressure computation.

9.9.4 A safety factor consistent with the design conditions should be included in their usage.

9.9.5 For stability against lateral sliding, which is resisted solely by the passive pressure, we recommend a minimum safety factor of 1.5.

9.9.6 For stability against lateral sliding, which is resisted by the combined passive and frictional resistance, a minimum safety factor of 2.0 is recommended.

9.9.7 For lateral stability against seismic loading conditions, we recommend a minimum safety factor of 1.1.

For dynamic seismic lateral loading the following equation shall be used:

Dynamic Seismic Lateral Loading Equation
Dynamic Seismic Lateral Load = $\frac{3}{8}\gamma K_h H^2$
Where: γ = In-Place Soil Density
K_h = Horizontal Acceleration = $\frac{2}{3}PGA_M$
H = Wall Height

9.10 Retaining Walls

9.10.1 Retaining and/or below grade walls should be drained with either perforated pipe encased in free-draining gravel or a prefabricated drainage system. The gravel zone should have a minimum width of 12 inches wide and should extend upward to within 12 inches of the top of the wall. The upper 12 inches of backfill should consist of native soils, concrete, asphaltic-concrete or other suitable backfill to minimize surface drainage into the wall drain system. The gravel should conform to Class II permeable materials graded in accordance with the current CalTrans Standard Specifications.

9.10.2 Prefabricated drainage systems, such as Miradrain®, Enkadrain®, or an equivalent substitute, are acceptable alternatives in lieu of gravel provided they are installed in accordance with the manufacturer's recommendations. If a prefabricated drainage system is proposed, our firm should review the system for final acceptance prior to installation.

9.10.3 Drainage pipes should be placed with perforations down and should discharge in a non-erosive manner away from foundations and other improvements. The top of the perforated pipe should be placed at or below the bottom of the adjacent floor slab or pavements. The pipe should be placed in the center line of the drainage blanket and should have a minimum diameter of 4 inches. Slots should be no wider than 1/8-inch in diameter, while perforations should be no more than ¼-inch in diameter.

9.10.4 If retaining walls are less than 5 feet in height, the perforated pipe may be omitted in lieu of weep holes on 4 feet maximum spacing. The weep holes should consist of 2-inch minimum diameter holes (concrete walls) or unmortared head joints (masonry walls) and placed no higher than 18 inches above the lowest adjacent grade. Two 8-inch square overlapping patches of geotextile fabric (conforming to the CalTrans Standard Specifications for "edge drains") should be affixed to the rear wall opening of each weep hole to retard soil piping.

9.10.5 During grading and backfilling operations adjacent to any walls, heavy equipment should not be allowed to operate within a lateral distance of 5 feet from the wall, or within a lateral distance equal to the wall height, whichever is greater, to avoid developing excessive lateral pressures. Within this zone, only hand operated equipment ("whackers," vibratory plates, or pneumatic compactors) should be used to compact the backfill soils.

9.11 Temporary Excavations

9.11.1 We anticipate that the majority of the sandy site soils will be classified as Cal-OSHA "Type C" soil when encountered in excavations during site development and construction. Excavation sloping, benching, the use of trench shields, and the placement of trench spoils should conform to the latest applicable Cal-OSHA standards. The contractor should have a Cal-OSHA-approved "competent person" onsite during excavation to evaluate trench conditions and make appropriate recommendations where necessary.

9.11.2 It is the contractor's responsibility to provide sufficient and safe excavation support as well as protecting nearby utilities, structures, and other improvements which may be damaged by earth movements. All onsite excavations must be conducted in such a manner that potential surcharges from existing structures, construction equipment, and vehicle loads are resisted. The surcharge area may be defined by a 1:1 projection down and away from the bottom of an existing foundation or vehicle load.

9.11.3 Temporary excavations and slope faces should be protected from rainfall and erosion. Surface runoff should be directed away from excavations and slopes.

9.11.4 Open, unbraced excavations in undisturbed soils should be made according to the slopes presented in the following table:

RECOMMENDED EXCAVATION SLOPES

Depth of Excavation (ft)	Slope (Horizontal : Vertical)
0-5	1:1
5-10	2:1

9.11.5 If, due to space limitation, excavations near property lines or existing structures are performed in a vertical position, slot cuts, braced shorings or shields may be used for supporting vertical excavations. Therefore, in order to comply with the local and state safety regulations, a properly designed and installed shoring system would be required to accomplish planned excavations and installation. A Specialty Shoring Contractor should be responsible for the design and installation of such a shoring system during construction.

9.11.6 Braced shorings should be designed for a maximum pressure distribution of 30H, (where H is the depth of the excavation in feet). The foregoing does not include excess hydrostatic pressure or surcharge loading. Fifty percent of any surcharge load, such as construction equipment weight, should be added to the lateral load given herein. Equipment traffic should concurrently be limited to an area at least 3 feet from the shoring face or edge of the slope.

9.11.7 The excavation and shoring recommendations provided herein are based on soil characteristics derived from the borings within the area. Variations in soil conditions will likely be encountered during the excavations. SALEM Engineering Group, Inc. should be afforded the opportunity to provide field review to evaluate the actual conditions and account for field

condition variations not otherwise anticipated in the preparation of this recommendation. Slope height, slope inclination, or excavation depth should in no case exceed those specified in local, state, or federal safety regulation, (e.g. OSHA) standards for excavations, 29 CFR part 1926, or Assessor's regulations.

9.12 Underground Utilities

9.12.1 Underground utility trenches should be backfilled with properly compacted material. The material excavated from the trenches should be adequate for use as backfill provided it does not contain deleterious matter, vegetation or rock larger than 3 inches in maximum dimension. Trench backfill should be placed in loose lifts not exceeding 8 inches and compacted to at least 95% (90 % for cohesive soils) relative compaction at or above optimum moisture content.

9.12.2 Bedding and pipe zone backfill typically extends from the bottom of the trench excavations to approximately 6 to 12 inches above the crown of the pipe. Pipe bedding and backfill material should conform to the requirements of the governing utility agency.

9.12.3 It is suggested that underground utilities crossing beneath new or existing structures be plugged at entry and exit locations to the buildings or structures to prevent water migration. Trench plugs can consist of on-site clay soils, if available, or sand cement slurry. The trench plugs should extend 2 feet beyond each side of individual perimeter foundations.

9.12.4 The contractor is responsible for removing all water-sensitive soils from the trench regardless of the backfill location and compaction requirements. The contractor should use appropriate equipment and methods to avoid damage to the utilities and/or structures during fill placement and compaction.

9.13 Surface Drainage

9.13.1 Proper surface drainage is critical to the future performance of the project. Uncontrolled infiltration of irrigation excess and storm runoff into the soils can adversely affect the performance of the planned improvements. Saturation of a soil can cause it to lose internal shear strength and increase its compressibility, resulting in a change to important engineering properties. Proper drainage should be maintained at all times.

9.13.2 Site drainage should be collected and transferred away from improvements in non-erosive drainage devices. Drainage should not be allowed to pond anywhere on the site, and especially not against any foundations or retaining walls. Drainage should not be allowed to flow uncontrolled over any descending slope. The proposed structures should be provided with roof gutters.

9.13.3 Discharge from downspouts, roof drains and scuppers are not permitted onto unprotected soils within five feet of the buildings perimeters. Planters which are located adjacent to foundations should be sealed or properly drained to prevent moisture intrusion into the materials providing foundation support. Landscape irrigation within 5 feet of the buildings perimeter footings should be kept to a minimum to just support vegetative life.

9.13.4 The ground immediately adjacent to the foundation shall be sloped away from buildings at a slope of not less than 5 percent for a minimum distance of 10 feet. Impervious surfaces within 10 feet of building's foundations shall be sloped a minimum of 2 percent away from buildings and drainage gradients maintained to carry all surface water to collection facilities and off site. These grades should be maintained for the life of the project.

9.14 Pavement Design

9.14.1 Based on site soil conditions, an R-value of 30 was used for the preliminary flexible asphaltic concrete pavement design. The R-value may be verified during grading of the pavement areas.

9.14.2 The pavement design recommendations provided herein are based on the State of California Department of Transportation (CALTRANS) design manual. The asphaltic concrete (flexible pavement) is based on a 20-year pavement life utilizing 1200 passenger vehicles, 10 single unit trucks, and 2 multi-unit trucks. The following table shows the recommended pavement sections for various traffic indices.

TABLE 9.14.2
ASPHALT CONCRETE PAVEMENT THICKNESSES

Traffic Index	Asphaltic Concrete	Class II Aggregate Base*	Compacted Subgrade**
5.0 (Parking and Vehicle Drive Areas)	3.0"	5.0"	12.0"
6.0 (Heavy Truck Areas)	3.0"	8.5"	12.0"

95% compaction based on ASTM D1557 Test Method
****95% (90% for cohesive soils) compaction based on ASTM D1557 Test Method***

9.14.3 The following recommendations are for light-duty and heavy-duty Portland Cement Concrete pavement sections.

TABLE 9.14.3
PORTLAND CEMENT CONCRETE PAVEMENT THICKNESSES

Traffic Index	Portland Cement Concrete*	Class II Aggregate Base**	Compacted Subgrade***
5.0 (Light Duty)	5.0"	4.0"	12.0"
6.0 (Heavy Duty)	6.5"	6.0"	12.0"

*** Minimum Compressive Strength of 4,500 psi***
****95% compaction based on ASTM D1557 Test Method***
*****95% (90% for cohesive soils) compaction based on ASTM D1557 Test Method***

10. PLAN REVIEW, CONSTRUCTION OBSERVATION AND TESTING

10.1 Plan and Specification Review

10.1.1 SALEM should review the project plans and specifications prior to final design submittal to assess whether our recommendations have been properly implemented and evaluate if additional analysis and/or recommendations are required.

10.2 Construction Observation and Testing Services

10.2.1 The recommendations provided in this report are based on the assumption that we will continue as Geotechnical Engineer of Record throughout the construction phase. It is important to maintain continuity of geotechnical interpretation and confirm that field conditions encountered are similar to those anticipated during design. If we are not retained for these services, we cannot assume any responsibility for others interpretation of our recommendations, and therefore the future performance of the project.

10.2.2 SALEM should be present at the site during site preparation to observe site clearing, preparation of exposed surfaces after clearing, and placement, treatment and compaction of fill material.

10.2.3 SALEM's observations should be supplemented with periodic compaction tests to establish substantial conformance with these recommendations. Moisture content of footings and slab subgrade should be tested immediately prior to concrete placement. SALEM should observe foundation excavations prior to placement of reinforcing steel or concrete to assess whether the actual bearing conditions are compatible with the conditions anticipated during the preparation of this report.

11. LIMITATIONS AND CHANGED CONDITIONS

The analyses and recommendations submitted in this report are based upon the data obtained from the test borings drilled at the approximate locations shown on the Site Plan, Figure 1. The report does not reflect variations which may occur between borings. The nature and extent of such variations may not become evident until construction is initiated.

If variations then appear, a re-evaluation of the recommendations of this report will be necessary after performing on-site observations during the excavation period and noting the characteristics of such variations. The findings and recommendations presented in this report are valid as of the present and for the proposed construction. If site conditions change due to natural processes or human intervention on the property or adjacent to the site, or changes occur in the nature or design of the project, or if there is a substantial time lapse between the submission of this report and the start of the work at the site, the conclusions and recommendations contained in our report will not be considered valid unless the changes are reviewed by SALEM and the conclusions of our report are modified or verified in writing.

The validity of the recommendations contained in this report is also dependent upon an adequate testing and observations program during the construction phase. Our firm assumes no responsibility for

construction compliance with the design concepts or recommendations unless we have been retained to perform the on-site testing and review during construction. SALEM has prepared this report for the exclusive use of the owner and project design consultants.

SALEM does not practice in the field of corrosion engineering. It is recommended that a qualified corrosion engineer be consulted regarding protection of buried steel or ductile iron piping and conduit or, at a minimum, that manufacturer's recommendations for corrosion protection be closely followed. Further, a corrosion engineer may be needed to incorporate the necessary precautions to avoid premature corrosion of concrete slabs and foundations in direct contact with native soil.

The importation of soil and or aggregate materials to the site should be screened to determine the potential for corrosion to concrete and buried metal piping. The report has been prepared in accordance with generally accepted geotechnical engineering practices in the area. No other warranties, either express or implied, are made as to the professional advice provided under the terms of our agreement and included in this report.

If you have any questions, or if we may be of further assistance, please do not hesitate to contact our office at (909) 980-6455.

Respectfully Submitted,

SALEM ENGINEERING GROUP, INC.

Ibrahim Ibrahim, MS, PE
Geotechnical Staff Engineer
RCE 86724

REGISTERED PROFESSIONAL ENGINEER
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R. SAMMY SALEM
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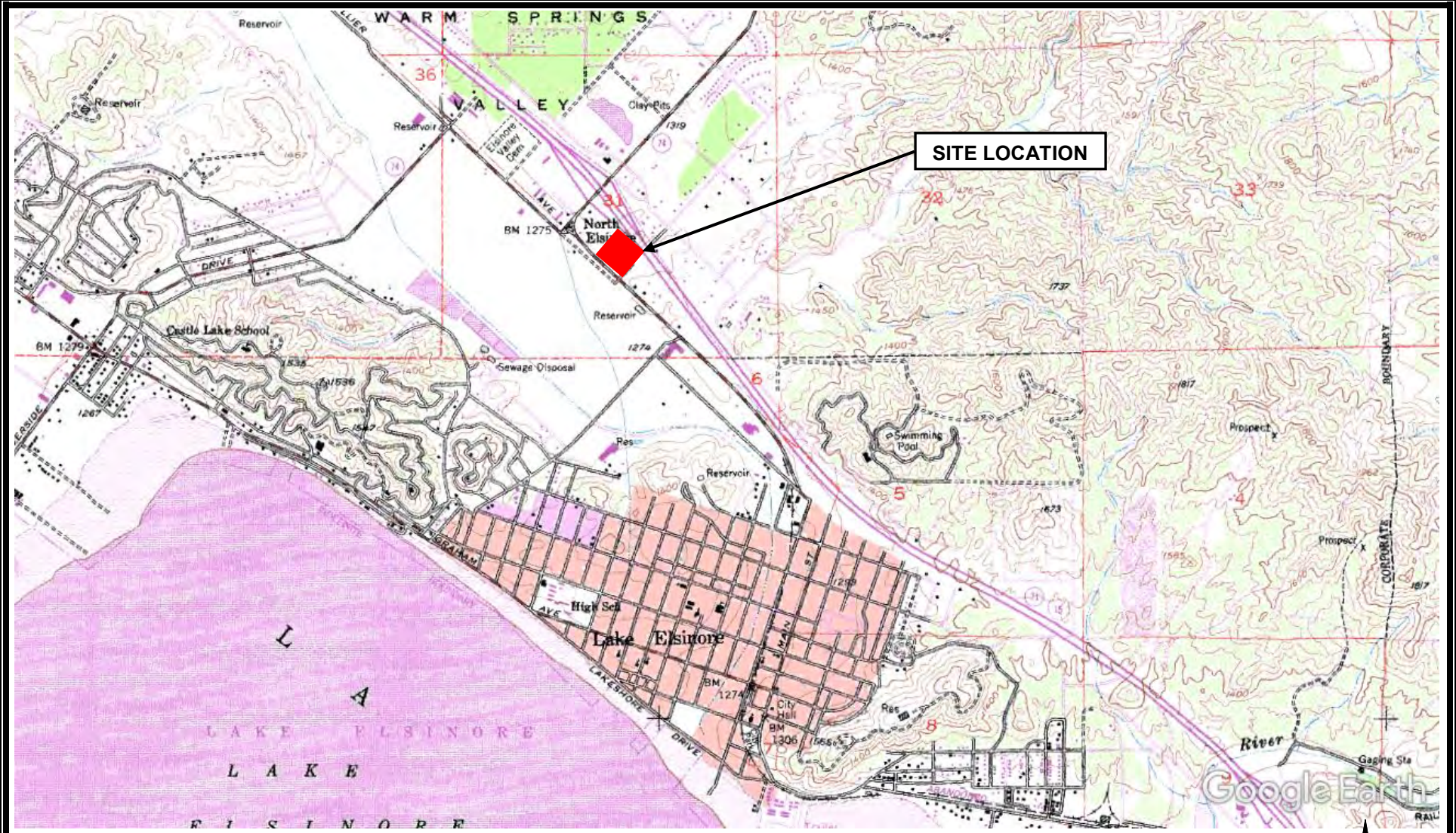
STATE OF CALIFORNIA



Source Image: U.S. Geological Survey Lake Elsinore, California 33117-F3-TF-024, 1953 (Photorevised 1988)

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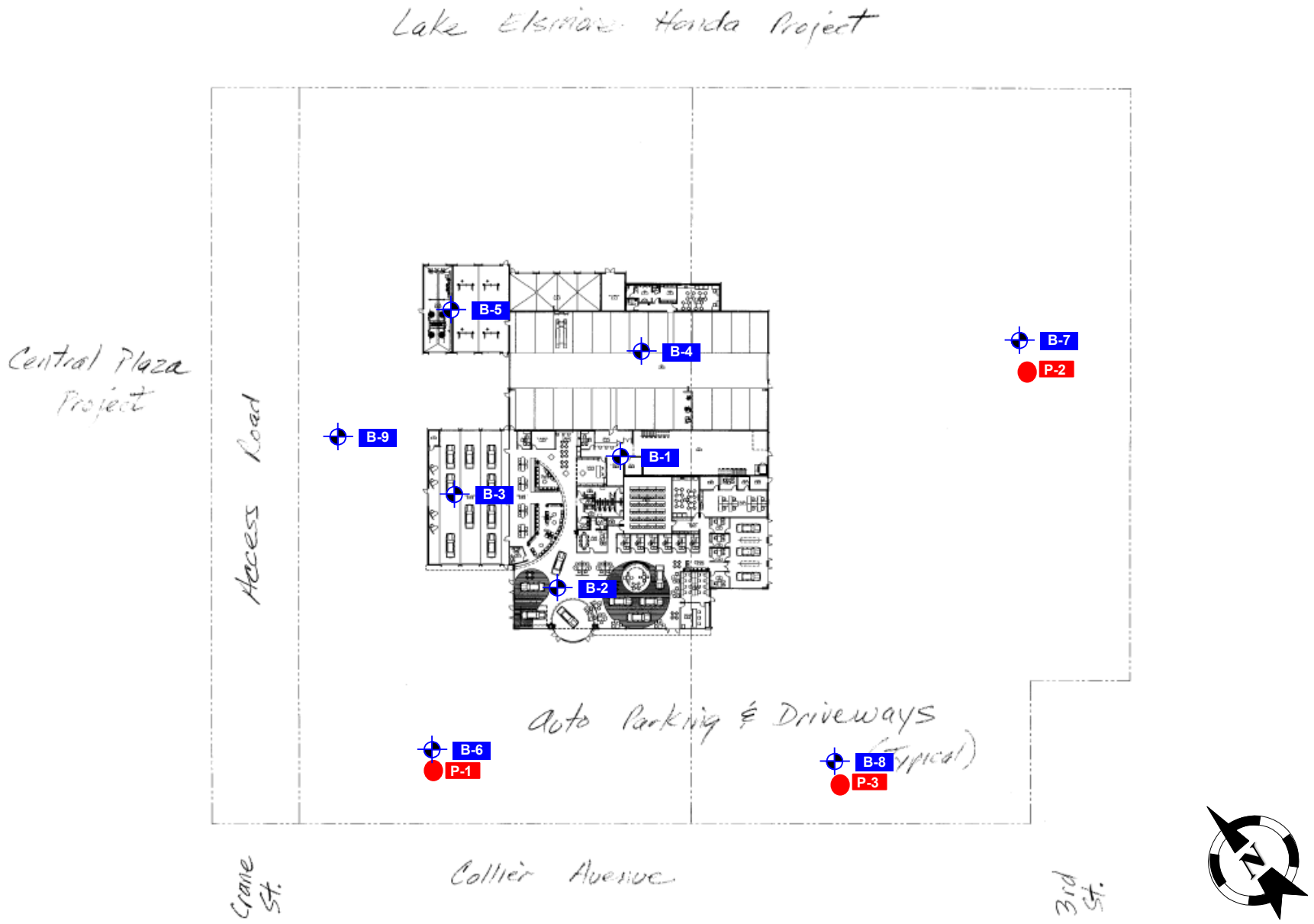
VICINITY MAP

GEOTECHNICAL ENGINEERING INVESTIGATION
Proposed Honda Auto Dealership
Collier Avenue & 3rd Street
Lake Elsinore, California

SCALE:	DATE:
NOT TO SCALE	04/2017
DRAWN BY:	APPROVED BY:
MA	CJ
PROJECT NO.	FIGURE NO.
3-217-0354	1

SALEM engineering group, inc.



SITE PLAN

GEOTECHNICAL ENGINEERING INVESTIGATION
Proposed Honda Auto Dealership
Collier Avenue & 3rd Street
Lake Elsinore, California

SCALE: NOT TO SCALE	DATE: 04/2017
DRAWN BY: MA	APPROVED BY: CJ
PROJECT NO. 3-217-0354	FIGURE NO. 2

LEGEND:
B-1 Soil Boring Locations
P-1 Percolation Test Locations
All Locations Approximate

SALEM engineering group, inc.

Salem Engineering Group, Inc.
11650 Mission Park Dr., #108
Rancho Cucamonga, CA 91730
(909) 980-6455

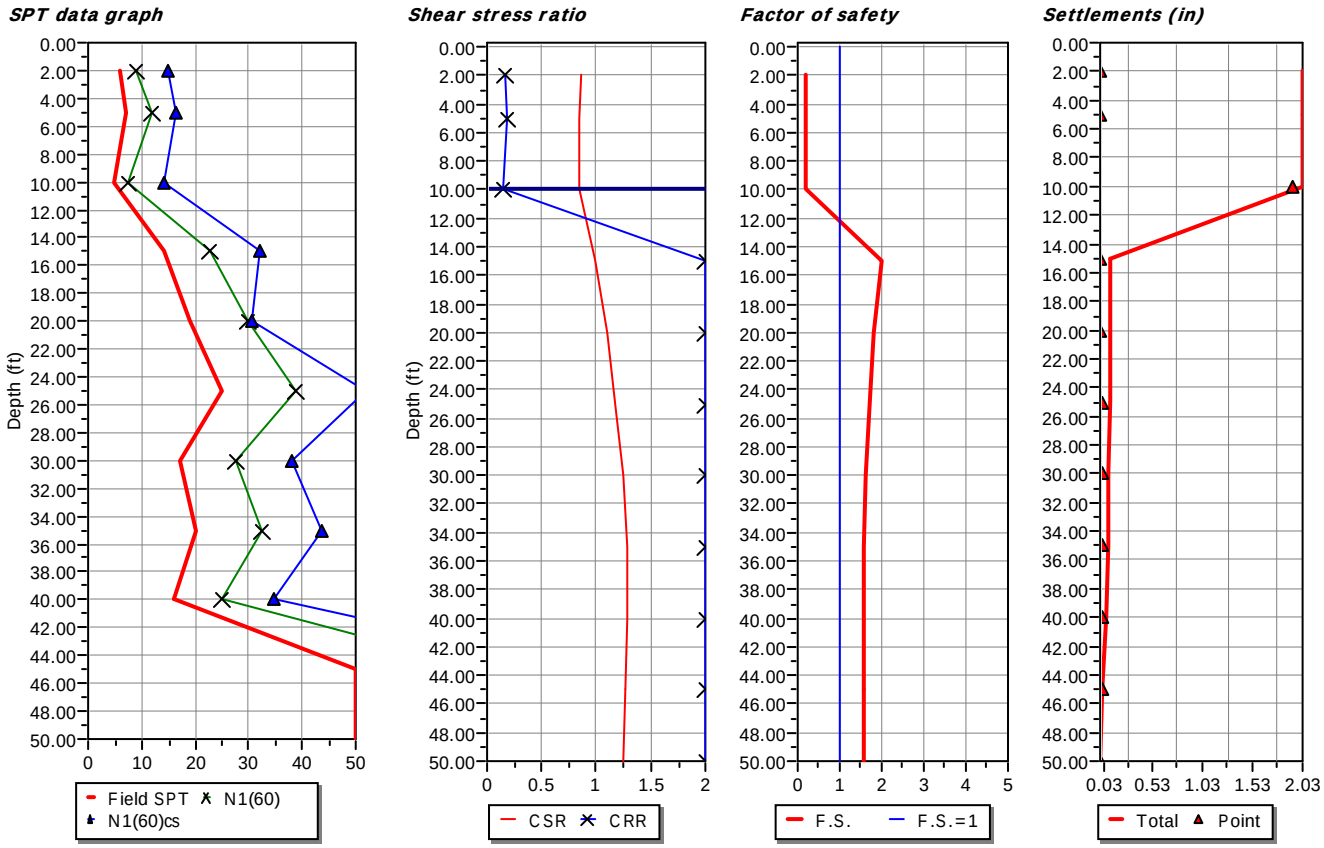
LIQUEFACTION ANALYSIS REPORT

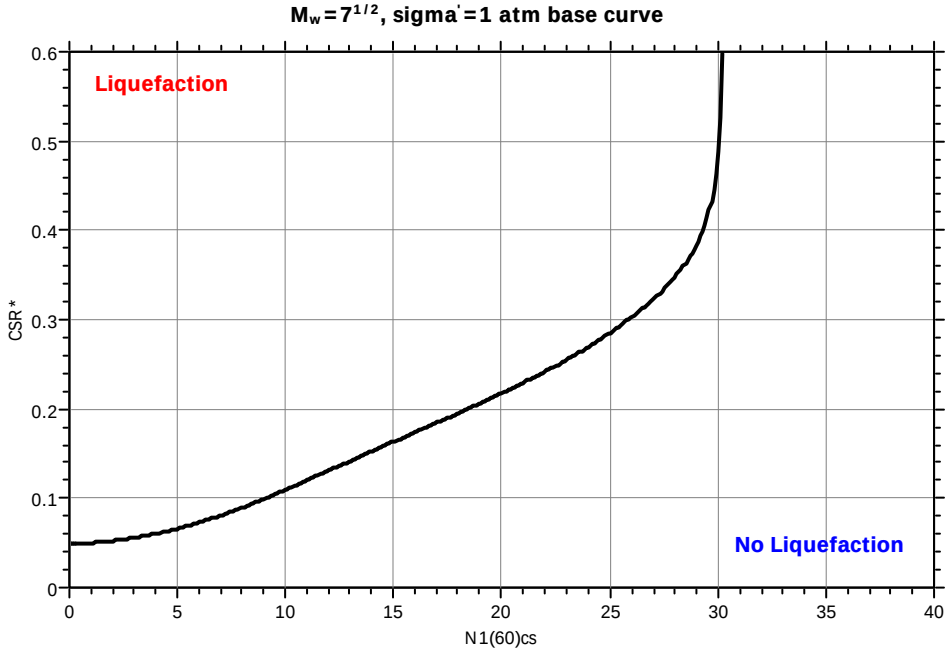
Project title : Proposed Honda Auto Dealership

Project subtitle : 3-217-0354

Input parameters and analysis data

In-situ data type:	Standard Penetration Test	Depth to water table:	10.00 ft
Analysis type:	Deterministic	Earthquake magnitude M_w:	7.90
Analysis method:	NCEER 1998	Peak ground accelaration:	0.89 g
Fines correction method:	Idriss & Seed	User defined F.S.:	1.30





:: Field input data ::

Point ID	Depth (ft)	Field N_{SPT} (blows/feet)	Unit weight (pcf)	Fines content (%)
1	2.00	6.00	120.00	29.00
2	5.00	7.00	120.00	20.00
3	10.00	5.00	120.00	54.00
4	15.00	14.00	120.00	40.00
5	20.00	19.00	120.00	8.00
6	25.00	25.00	120.00	66.00
7	30.00	17.00	120.00	71.00
8	35.00	20.00	120.00	57.00
9	40.00	16.00	120.00	75.00
10	45.00	50.00	120.00	36.00
11	50.00	50.00	120.00	36.00

Depth : Depth from free surface, at which SPT was performed (ft)
Field SPT : SPT blows measured at field (blows/feet)
Unit weight : Bulk unit weight of soil at test depth (pcf)
Fines content : Percentage of fines in soil (%)

:: Cyclic Stress Ratio calculation (CSR fully adjusted and normalized) ::

Point ID	Depth (ft)	Sigma (tsf)	u (tsf)	Sigma' (tsf)	r_d	CSR	MSF	$CSR_{eq,M=7.5}$	K_{sigma}	CSR^*
1	2.00	0.12	0.00	0.12	1.00	0.58	0.88	0.66	1.00	0.66
2	5.00	0.30	0.00	0.30	0.99	0.57	0.88	0.65	1.00	0.65
3	10.00	0.60	0.00	0.60	0.98	0.57	0.88	0.65	1.00	0.65
4	15.00	0.90	0.16	0.74	0.97	0.68	0.88	0.77	1.00	0.77
5	20.00	1.20	0.31	0.89	0.95	0.75	0.88	0.85	1.00	0.85
6	25.00	1.50	0.47	1.03	0.94	0.79	0.88	0.91	1.00	0.91
7	30.00	1.80	0.62	1.18	0.93	0.82	0.88	0.94	0.98	0.96
8	35.00	2.10	0.78	1.32	0.89	0.82	0.88	0.94	0.95	0.98
9	40.00	2.40	0.94	1.46	0.85	0.81	0.88	0.92	0.93	0.99
10	45.00	2.70	1.09	1.61	0.81	0.79	0.88	0.90	0.92	0.98
11	50.00	3.00	1.25	1.75	0.77	0.76	0.88	0.87	0.90	0.96

Depth : Depth from free surface, at which SPT was performed (ft)
Sigma : Total overburden pressure at test point, during earthquake (tsf)
u : Water pressure at test point, during earthquake (tsf)
Sigma' : Effective overburden pressure, during earthquake (tsf)
r_d : Nonlinear shear mass factor
CSR : Cyclic Stress Ratio
MSF : Magnitude Scaling Factor
$CSR_{eq,M=7.5}$ CSR adjusted for M=7.5
K_{sigma} Effective overburden stress factor
CSR^* CSR fully adjusted

:: Cyclic Resistance Ratio calculation $CRR_{7.5}$ ::

Point ID	Field SPT	C_n	C_e	C_b	C_r	C_s	$N_{1(60)}$	DeltaN	$N_{1(60)cs}$	$CRR_{7.5}$
1	6.00	1.70	0.86	1.15	0.75	1.20	9.09	5.97	15.06	0.16
2	7.00	1.70	0.90	1.15	0.80	1.20	11.86	4.56	16.41	0.18
3	5.00	1.32	0.97	1.15	0.85	1.20	7.52	6.50	14.02	0.15
4	14.00	1.18	1.04	1.15	0.95	1.20	22.64	9.53	32.17	2.00
5	19.00	1.08	1.11	1.15	0.95	1.20	30.00	0.68	30.67	2.00
6	25.00	1.01	1.18	1.15	0.95	1.20	38.90	12.78	51.68	2.00
7	17.00	0.94	1.25	1.15	1.00	1.20	27.62	10.52	38.14	2.00
8	20.00	0.89	1.32	1.15	1.00	1.20	32.37	11.47	43.84	2.00
9	16.00	0.84	1.33	1.15	1.00	1.20	24.87	9.97	34.84	2.00
10	50.00	0.81	1.33	1.15	1.00	1.20	74.16	19.83	93.99	2.00
11	50.00	0.77	1.33	1.15	1.00	1.20	71.04	19.21	90.25	2.00

:: Cyclic Resistance Ratio calculation $CRR_{7.5}$ ::

Point ID	Field SPT	C_n	C_e	C_b	C_r	C_s	$N_{1(60)}$	DeltaN	$N_{1(60)cs}$	$CRR_{7.5}$

C_n : Overburden corretion factor
C_e : Energy correction factor
C_b : Borehole diameter correction factor
C_r : Rod length correction factor
C_s : Liner correction factor
$N_{1(60)}$: Corrected N_{SPT}
DeltaN : Addition to corrected N_{SPT} value due to the presence of fines
$N_{1(60)cs}$: Corected $N_{1(60)}$ value for fines
$CRR_{7.5)}$: Cyclic resistance ratio for M=7.5

:: Settlements calculation for saturated sands ::

Point ID	$N_{1(60)}$	N_1	FS_L	e_v (%)	Settle. (in)
1	15.06	12.55	0.19	3.05	0.00
2	16.41	13.68	0.21	2.86	0.00
3	14.02	11.69	0.18	3.20	1.92
4	32.17	26.81	1.99	0.00	0.00
5	30.67	25.56	1.81	0.02	0.01
6	51.68	43.07	1.70	0.02	0.01
7	38.14	31.78	1.60	0.03	0.02
8	43.84	36.53	1.57	0.03	0.02
9	34.84	29.04	1.56	0.04	0.02
10	93.99	78.32	1.57	0.03	0.02
11	90.25	75.21	1.59	0.03	0.01

Total settlement : 2.03

$N_{1,(60)}$: Stress normalized and corrected SPT blow count
N_1: Japanese equivalent corrected value
FS_L: Calculated factor of safety
e_v: Post-liquefaction volumentric strain (%)
Settle.: Calculated settlement (in)

:: Liquefaction potential according to Iwasaki ::

Point ID	F	w_z	I_L
1	0.81	9.70	4.78
2	0.79	9.24	6.67
3	0.82	8.48	10.56
4	0.00	7.71	0.00
5	0.00	6.95	0.00
6	0.00	6.19	0.00
7	0.00	5.43	0.00
8	0.00	4.67	0.00
9	0.00	3.90	0.00
10	0.00	3.14	0.00
11	0.00	2.38	0.00

Overall potential I_L : 22.01

I_L = 0.00 - No liquefaction
I_L between 0.00 and 5 - Liquefaction not probable
I_L between 5 and 15 - Liquefaction probable
I_L > 15 - Liquefaction certain

APPENDIX

A

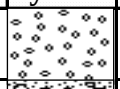
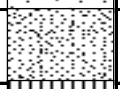
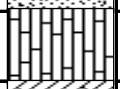
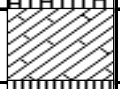
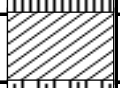
APPENDIX A
FIELD EXPLORATION

Fieldwork for our investigation (drilling) was conducted on April 12, 2017 and included a site visit, subsurface exploration, and soil sampling. Percolation testing was performed on April 13, 2017. The locations of the exploratory borings and percolation tests and are shown on the Site Plan, Figure 2. Boring logs for our exploration are presented in figures following the text in this appendix. Borings were located in the field using existing reference points. Therefore, actual boring locations may deviate slightly.

In general, our borings were performed using a truck-mounted Mobile B-61 drill rig equipped with an 8-inch solid flight auger. Sampling in the borings was accomplished using a hydraulic 140-pound hammer with a 30-inch drop. Samples were obtained with a 3-inch outside-diameter (OD), split spoon (California Modified) sampler, and a 2-inch OD, Standard Penetration Test (SPT) sampler. The number of blows required to drive the sampler the last 12 inches (or fraction thereof) of the 18-inch sampling interval were recorded on the boring logs. The blow counts shown on the boring logs should not be interpreted as standard SPT "N" values; corrections have not been applied. Upon completion, the borings were backfilled with drill cuttings.

Subsurface conditions encountered in the exploratory borings were visually examined, classified and logged in general accordance with the American Society for Testing and Materials (ASTM) Practice for Description and Identification of Soils (Visual-Manual Procedure D2488). This system uses the Unified Soil Classification System (USCS) for soil designations. The logs depict soil and geologic conditions encountered and depths at which samples were obtained. The logs also include our interpretation of the conditions between sampling intervals. Therefore, the logs contain both observed and interpreted data. We determined the lines designating the interface between soil materials on the logs using visual observations, drill rig penetration rates, excavation characteristics and other factors. The transition between materials may be abrupt or gradual. Where applicable, the field logs were revised based on subsequent laboratory testing.

Unified Soil Classification System

Major Divisions			Letter	Symbol	Description
Coarse-grained Soils More than ½ retained on the No. 200 Sieve	**Gravels** More than ½ coarse fraction retained on the No. 4 sieve	Clean Gravels	GW		Well-graded gravels and gravel-sand mixtures, little or no fines.
			GP		Poorly-graded gravels and gravel-sand mixtures, little or no fines.
		Gravels With Fines	GM		Silty gravels, gravel-sand-silt mixtures.
			GC		Clayey gravels, gravel-sand-clay mixtures.
	Sands More than ½ passing through the No. 4 sieve	Clean Sands	SW		Well-graded sands and gravelly sands, little or no fines.
			SP		Poorly-graded sands and gravelly sands, little or no fines.
		Sands With Fines	SM		Silty sands, sand-silt mixtures
			SC		Clayey sands, sandy-clay mixtures.
Fine-grained Soils More than ½ passing through the No. 200 Sieve	**Silts and Clays** Liquid Limit less than 50%		ML		Inorganic silts, very fine sands, rock flour, silty or clayey fine sands.
			CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL		Organic clays of medium to high plasticity.
	Silts and Clays Liquid Limit greater than 50%		MH		Inorganic silts, micaceous or diatomaceous fines sands or silts, elastic silts.
			CH		Inorganic clays of high plasticity, fat clays.
			OH		Organic clays of medium to high plasticity.
Highly Organic Soils			PT		Peat, muck, and other highly organic soils.

Consistency Classification

Granular Soils			***Cohesive Soils***		
Description - Blows Per Foot (Corrected)			Description - Blows Per Foot (Corrected)		
	MCS	SPT		MCS	SPT
Very loose	<5	<4	Very soft	<3	<2
Loose	5 – 15	4 – 10	Soft	3 – 5	2 – 4
Medium dense	16 – 40	11 – 30	Firm	6 – 10	5 – 8
Dense	41 – 65	31 – 50	Stiff	11 – 20	9 – 15
Very dense	>65	>50	Very Stiff	21 – 40	16 – 30
			Hard	>40	>30

MCS = Modified California Sampler

SPT = Standard Penetration Test Sampler

Boring No. B-1

Project: Proposed Honda Auto Dealership
Client: Dillon & Murphy Engineering
Location: Collier Avenue and 3rd Street, Lake Elsinore, California
Grnd. Surf. Elev. (Ft. MSL) N/A

Project No: 3-217-0354
Figure No.: A-1
Logged By: SK
Initial: 17 feet
At Completion: 17 feet
Depth to Water>

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture Content (%)	Sampler Type	Penetration	Blow Count
0		Ground Surface					
		Silty SAND (SM) Loose; moist; brown; fine-medium grained; with trace clay; with trace gravel.	106.5	8.6	MCS		11
5		Grades as above; slightly moist; fine-coarse grained; no clay.	115.9	4.9	MCS		14
		Silty SAND/Sandy SILT (SM/ML) Loose; very moist; brown; fine-medium grained; with trace clay.	-	13.3	SPT		6
10							
		Silty SAND (SM) Loose; wet; brown; fine-medium grained; with trace clay.	-	18.8	SPT		4
15							
		Silty SAND/SAND (SM/SP) Medium dense; saturated; mottled brown; medium-coarse grained.	-	16.4	SPT		16
20							
		Clayey SILT (ML) Very stiff; saturated; light brown; fine grained.	-	16.3	SPT		25
25							

Penetration Test: 20 40 60 80

Water Level

Drill Method: Hollow Stem Auger
Drill Rig: Mobile B-61
Driller: GP Drilling
Sheet: 1 of 2

Drill Date: 4/12/2017
Borehole Size: 8 inches
Hammer Type: Automatic Trip
Weight & Drop: 140 lbs./30 in.

SALEM

Boring No. B-1

Project: Proposed Honda Auto Dealership
Client: Dillon & Murphy Engineering
Location: Collier Avenue and 3rd Street, Lake Elsinore, California
Grnd. Surf. Elev. (Ft. MSL) N/A

Project No: 3-217-0354
Figure No.: A-1
Logged By: SK
Initial: 17 feet
At Completion: 17 feet

Depth to Water>

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture Content (%)	Sampler Type	Penetration	Blow Count	Penetration Test (20 40 60 80)	Water Level
30		Grades as above.	-	17.6	SPT		17		
35		**Sandy SILT (ML)** Very stiff; saturated; brown; fine grained; with clay.	-	17.2	SPT		20		
40		Grades as above.	-	16.3	SPT		16		
45		**Silty SAND (SM)** Very dense; saturated; brown; fine grained.	-	16.1	SPT		50		
50		Grades as above.							
		End of Borehole							

Drill Method: Hollow Stem Auger
Drill Rig: Mobile B-61
Driller: GP Drilling
Sheet: 2 of 2

Drill Date: 4/12/2017
Borehole Size: 8 inches
Hammer Type: Automatic Trip
Weight & Drop: 140 lbs./30 in.

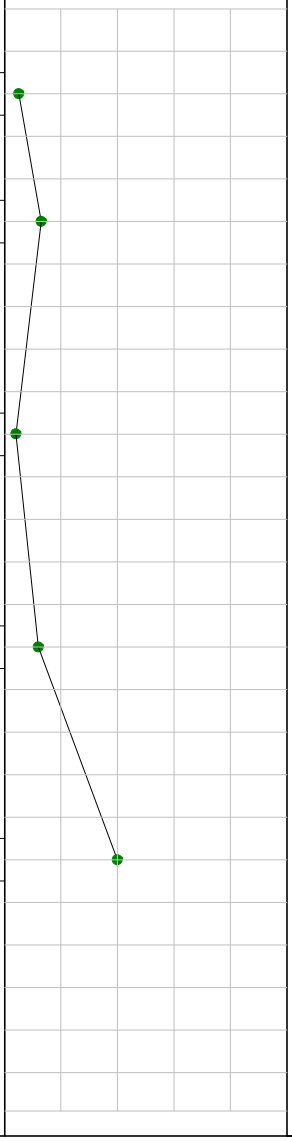
SALEM

Boring No. B-2

Project: Proposed Honda Auto Dealership
Client: Dillon & Murphy Engineering
Location: Collier Avenue and 3rd Street, Lake Elsinore, California
Grnd. Surf. Elev. (Ft. MSL) N/A

Project No: 3-217-0354
Figure No.: A-2
Logged By: SK
Initial: None
Depth to Water>
At Completion: None

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture Content (%)	Sampler Type	Penetration	Blow Count
0		Ground Surface					
		Silty SAND (SM) Loose; moist; brown; fine-medium grained; with trace clay; with gravel.	111.5	7.9	MCS		5
5		Grades as above; slightly moist; no clay; with trace gravel.	112.9	5.4	MCS		13
		Sandy SILT (ML) Soft; moist; brown; fine grained; with trace clay.					
10			-	14.0	SPT		4
15		Grades as above; stiff.	-	14.7	SPT		12
		Silty SAND (SM) Dense; very moist; brown; fine-medium grained; with trace clay; with gravel.					
20			-	14.8	SPT		40
		End of Borehole					
25							



Water Level

Drill Method: Hollow Stem Auger
Drill Rig: Mobile B-61
Driller: GP Drilling
Sheet: 1 of 1

Drill Date: 4/12/2017
Borehole Size: 8 inches
Hammer Type: Automatic Trip
Weight & Drop: 140 lbs./30 in.

SALEM

Boring No. B-3

Project: Proposed Honda Auto Dealership
Client: Dillon & Murphy Engineering
Location: Collier Avenue and 3rd Street, Lake Elsinore, California
Grnd. Surf. Elev. (Ft. MSL) N/A

Project No: 3-217-0354
Figure No.: A-3
Logged By: SK
Initial: 16 feet
At Completion: 16 feet
Depth to Water>

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture Content (%)	Sampler Type	Penetration	Blow Count
0		Ground Surface					
		Silty SAND (SM) Loose; moist; brown; fine-medium grained; with trace clay.	110.8	11.0	MCS		6
5		Grades as above.	118.0	10.9	MCS		8
		Sandy SILT (ML) Soft; moist; brown; fine grained; with trace clay.					
10			-	13.4	SPT		4
15		Grades as above; firm; very moist.	-	19.2	SPT		7
		Silty SAND (SM) Medium dense; saturated; brown; fine-medium grained; with trace clay; with trace gravel.	-	14.7	SPT		18
20		End of Borehole					
25							

Penetration Test: 20 40 60 80

Water Level

Drill Method: Hollow Stem Auger
Drill Rig: Mobile B-61
Driller: GP Drilling
Sheet: 1 of 1

Drill Date: 4/12/2017
Borehole Size: 8 inches
Hammer Type: Automatic Trip
Weight & Drop: 140 lbs./30 in.

SALEM

Boring No. B-4

Project: Proposed Honda Auto Dealership
Client: Dillon & Murphy Engineering
Location: Collier Avenue and 3rd Street, Lake Elsinore, California
Grnd. Surf. Elev. (Ft. MSL) N/A
Depth to Water>

Project No: 3-217-0354
Figure No.: A-4
Logged By: SK
Initial: None
At Completion: None

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture Content (%)	Sampler Type	Penetration	Blow Count
0		Ground Surface					
		Silty SAND (SM) Loose; wet; brown; fine-medium grained; with trace clay; with trace gravel.	Dist	19.9	MCS		12
5		Grades as above; moist.	112.1	9.9	MCS		7
		Sandy SILT (ML) Soft; moist; brown; fine grained; with trace clay.					
10			-	15.7	SPT		4
		Silty SAND (SM) Dense; slightly moist; brown; fine-medium grained; with gravel.					
15			-	5.7	SPT		38
		Grades as above.					
20		End of Borehole					
25							

Penetration Test: 20 40 60 80

Water Level

Drill Method: Hollow Stem Auger
Drill Rig: Mobile B-61
Driller: GP Drilling
Sheet: 1 of 1

Drill Date: 4/12/2017
Borehole Size: 8 inches
Hammer Type: Automatic Trip
Weight & Drop: 140 lbs./30 in.

SALEM

Boring No. B-5

Project: Proposed Honda Auto Dealership
Client: Dillon & Murphy Engineering
Location: Collier Avenue and 3rd Street, Lake Elsinore, California
Grnd. Surf. Elev. (Ft. MSL) N/A

Project No: 3-217-0354
Figure No.: A-5
Logged By: SK
Initial: 18 feet
At Completion: 18 feet
Depth to Water>

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture Content (%)	Sampler Type	Penetration	Blow Count
0		Ground Surface					
		Silty SAND (SM) Loose; moist; brown; fine-medium grained; with trace clay; with trace gravel.	115.4	8.3	MCS		12
5		Grades as above; no clay.	106.6	7.3	MCS		11
		Sandy SILT (ML) Firm; moist; brown; fine grained; with trace clay.					
10			-	13.4	SPT		5
15		Grades as above; stiff; with trace gravel.	-	11.9	SPT		11
20		Grades as above; soft; saturated; no gravel.	-	24.1	SPT		2
		End of Borehole					
25							

Penetration Test: 20 40 60 80

Water Level

Drill Method: Hollow Stem Auger
Drill Rig: Mobile B-61
Driller: GP Drilling
Sheet: 1 of 1

Drill Date: 4/12/2017
Borehole Size: 8 inches
Hammer Type: Automatic Trip
Weight & Drop: 140 lbs./30 in.

SALEM

Boring No. B-6

Project: Proposed Honda Auto Dealership
Client: Dillon & Murphy Engineering
Location: Collier Avenue and 3rd Street, Lake Elsinore, California
Grnd. Surf. Elev. (Ft. MSL) N/A

Depth to Water>

Project No: 3-217-0354
Figure No.: A-6
Logged By: SK
Initial: None
At Completion: None

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture Content (%)	Sampler Type	Penetration	Blow Count	Penetration Test (20 40 60 80)	Water Level
0		Ground Surface							
		Silty SAND (SM) Medium dense; slightly moist; light brown; fine-medium grained; with trace clay.	112.2	5.9	MCS		18		
5		Grades as above; moist.	117.5	6.5	MCS		17		
		Grades as above.							
10		End of Borehole							
15									
20									
25									

Drill Method: Hollow Stem Auger
Drill Rig: Mobile B-61
Driller: GP Drilling
Sheet: 1 of 1

Drill Date: 4/12/2017
Borehole Size: 8 inches
Hammer Type: Automatic Trip
Weight & Drop: 140 lbs./30 in.

SALEM

Boring No. B-7

Project: Proposed Honda Auto Dealership
Client: Dillon & Murphy Engineering
Location: Collier Avenue and 3rd Street, Lake Elsinore, California
Grnd. Surf. Elev. (Ft. MSL) N/A

Project No: 3-217-0354
Figure No.: A-7
Logged By: SK
Initial: None
Depth to Water>
At Completion: None

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture Content (%)	Sampler Type	Penetration	Blow Count	Penetration Test (20 40 60 80)	Water Level
0		Ground Surface							
		Silty SAND (SM) Medium dense; slightly moist; light brown; fine-medium grained; with trace clay.	114.4	5.1	MCS		21		
5		Grades as above; moist.	120.7	7.3	MCS		21		
		Grades as above.							
10		End of Borehole							
15									
20									
25									

Drill Method: Hollow Stem Auger
Drill Rig: Mobile B-61
Driller: GP Drilling
Sheet: 1 of 1

Drill Date: 4/12/2017
Borehole Size: 8 inches
Hammer Type: Automatic Trip
Weight & Drop: 140 lbs./30 in.

SALEM

Boring No. B-8

Project: Proposed Honda Auto Dealership
Client: Dillon & Murphy Engineering
Location: Collier Avenue and 3rd Street, Lake Elsinore, California
Grnd. Surf. Elev. (Ft. MSL) N/A

Project No: 3-217-0354
Figure No.: A-8
Logged By: SK
Initial: None
At Completion: None
Depth to Water>

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture Content (%)	Sampler Type	Penetration	Blow Count	Penetration Test (20 40 60 80)	Water Level
0		Ground Surface							
		Silty SAND (SM) Loose; slightly moist; brown; fine-medium grained; with trace clay; with gravel.	114.6	5.8	MCS		9		
5		Grades as above; moist.	112.3	8.6	MCS		6		
		Grades as above.							
10		End of Borehole							
15									
20									
25									

Drill Method: Hollow Stem Auger
Drill Rig: Mobile B-61
Driller: GP Drilling
Sheet: 1 of 1

Drill Date: 4/12/2017
Borehole Size: 8 inches
Hammer Type: Automatic Trip
Weight & Drop: 140 lbs./30 in.

SALEM

Boring No. B-9

Project: Proposed Honda Auto Dealership
Client: Dillon & Murphy Engineering
Location: Collier Avenue and 3rd Street, Lake Elsinore, California
Grnd. Surf. Elev. (Ft. MSL) N/A

Project No: 3-217-0354
Figure No.: A-9
Logged By: SK
Initial: None
Depth to Water>
At Completion: None

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture Content (%)	Sampler Type	Penetration	Blow Count	Penetration Test (20 40 60 80)	Water Level
0		Ground Surface							
		Sandy SILT (ML) Firm; moist; brown; fine grained; with trace clay.	108.9	16.5	MCS		6		
5		Grades as above.	107.7	17.6	MCS		7		
10		Grades as above.	-	15.1	SPT		5		
		End of Borehole							
15									
20									
25									

Drill Method: Hollow Stem Auger
Drill Rig: Mobile B-61
Driller: GP Drilling
Sheet: 1 of 1

Drill Date: 4/12/2017
Borehole Size: 8 inches
Hammer Type: Automatic Trip
Weight & Drop: 140 lbs./30 in.

SALEM

Percolation Test Worksheet

Project: **Proposed Honda Auto Dealership**
Collier Avenue and 3rd Street
Lake Elsinore, CA

Job No.: **3-217-0354**
Date Drilled: **4/12/2017**
Soil Classification: **Silty SAND (SM) with trace clay**

Hole Radius: 4 in.
Pipe Dia.: 3 in.
Total Depth of Hole: 96 in.

Test Hole No.: **P-1**
Tested by: **MA**
Drilled Hole Depth: **8** ft.

Presoaking Date: **4/12/2017**
Test Date: **4/13/2017**

Time Start	Time Finish	Depth of Test Hole (ft)#	Refill-Yes or No	Elapsed Time (hrs:min)	Initial Water Level# (ft)	Final Water Level# (ft)	Δ Water Level (in.)	Δ Min.	Meas. Perc Rate (min/in)	Initial Height of Water (in)	Final Height of Water (in)	Average Height of Water (in)	Tested Infiltration Rate, It (in/hr)
9:10	9:40	8.0	Y	0:30	6.20	6.37	2.04	30	14.71	21.6	19.6	20.6	0.36
9:40	10:10	8.0	N	0:30	6.37	6.51	1.68	30	17.86	19.6	17.9	18.7	0.32
10:10	10:40	8.0	N	0:30	6.51	6.63	1.44	30	20.83	17.9	16.4	17.2	0.30
10:40	11:10	8.0	N	0:30	6.63	6.73	1.20	30	25.00	16.4	15.2	15.8	0.27
11:10	11:40	8.0	N	0:30	6.73	6.82	1.08	30	27.78	15.2	14.2	14.7	0.26
11:40	12:10	8.0	N	0:30	6.82	6.90	0.96	30	31.25	14.2	13.2	13.7	0.24
12:10	12:40	8.0	N	0:30	6.90	6.97	0.84	30	35.71	13.2	12.4	12.8	0.23
12:40	13:10	8.0	N	0:30	6.97	7.04	0.84	30	35.71	12.4	11.5	11.9	0.24
13:10	13:40	8.0	N	0:30	7.04	7.11	0.84	30	35.71	11.5	10.7	11.1	0.26
13:40	14:10	8.0	N	0:30	7.11	7.17	0.72	30	41.67	10.7	10.0	10.3	0.23
14:10	14:40	8.0	N	0:30	7.17	7.23	0.72	30	41.67	10.0	9.2	9.6	0.25
14:40	15:10	8.0	N	0:30	7.23	7.29	0.72	30	41.67	9.2	8.5	8.9	0.26
Recommended for Design:										**Infiltration Rate**			**0.23**

SALEM engineering group, inc.

Percolation Test Worksheet

Project: **Proposed Honda Auto Dealership**
Collier Avenue and 3rd Street
Lake Elsinore, CA

Job No.: **3-217-0354**
Date Drilled: **4/12/2017**
Soil Classification: **Silty SAND (SM) with trace clay**

Hole Radius: 4 in.
Pipe Dia.: 3 in.
Total Depth of Hole: 72 in.

Test Hole No.: **P-2**
Tested by: **MA**
Drilled Hole Depth: **6** ft.

Presoaking Date: **4/12/2017**
Test Date: **4/13/2017**

Time Start	Time Finish	Depth of Test Hole (ft)#	Refill-Yes or No	Elapsed Time (hrs:min)	Initial Water Level# (ft)	Final Water Level# (ft)	Δ Water Level (in.)	Δ Min.	Meas. Perc Rate (min/in)	Initial Height of Water (in)	Final Height of Water (in)	Average Height of Water (in)	Tested Infiltration Rate, It (in/hr)
9:13	9:43	6.0	Y	0:30	4.30	4.50	2.40	30	12.50	20.4	18.0	19.2	0.45
9:43	10:13	6.0	N	0:30	4.50	4.66	1.92	30	15.63	18.0	16.1	17.0	0.40
10:13	10:43	6.0	N	0:30	4.66	4.80	1.68	30	17.86	16.1	14.4	15.2	0.39
10:43	11:13	6.0	N	0:30	4.80	4.92	1.44	30	20.83	14.4	13.0	13.7	0.37
11:13	11:43	6.0	N	0:30	4.92	5.03	1.32	30	22.73	13.0	11.6	12.3	0.37
11:43	12:13	6.0	N	0:30	5.03	5.13	1.20	30	25.00	11.6	10.4	11.0	0.37
12:13	12:43	6.0	N	0:30	5.13	5.22	1.08	30	27.78	10.4	9.4	9.9	0.36
12:43	13:13	6.0	N	0:30	5.22	5.30	0.96	30	31.25	9.4	8.4	8.9	0.35
13:13	13:43	6.0	N	0:30	5.30	5.37	0.84	30	35.71	8.4	7.6	8.0	0.34
13:43	14:13	6.0	N	0:30	5.37	5.44	0.84	30	35.71	7.6	6.7	7.1	0.37
14:13	14:43	6.0	N	0:30	5.44	5.50	0.72	30	41.67	6.7	6.0	6.4	0.34
14:43	15:13	6.0	N	0:30	5.50	5.56	0.72	30	41.67	6.0	5.3	5.6	0.38
Recommended for Design:										**Infiltration Rate**			**0.34**

SALEM engineering group, inc.

Percolation Test Worksheet

Project: **Proposed Honda Auto Dealership**
Collier Avenue and 3rd Street
Lake Elsinore, CA

Job No.: **3-217-0354**
Date Drilled: **4/12/2017**
Soil Classification: **Silty SAND (SM) with trace clay**

Hole Radius: 4 in.
Pipe Dia.: 3 in.
Total Depth of Hole: 84 in.

Test Hole No.: **P-3**
Tested by: **MA**
Drilled Hole Depth: **7** ft.

Presoaking Date: **4/12/2017**
Test Date: **4/13/2017**

Time Start	Time Finish	Depth of Test Hole (ft)#	Refill-Yes or No	Elapsed Time (hrs:min)	Initial Water Level# (ft)	Final Water Level# (ft)	Δ Water Level (in.)	Δ Min.	Meas. Perc Rate (min/in)	Initial Height of Water (in)	Final Height of Water (in)	Average Height of Water (in)	Tested Infiltration Rate, It (in/hr)
9:15	9:45	7.0	Y	0:30	5.00	5.20	2.40	30	12.50	24.0	21.6	22.8	0.39
9:45	10:15	7.0	N	0:30	5.20	5.36	1.92	30	15.63	21.6	19.7	20.6	0.34
10:15	10:45	7.0	N	0:30	5.36	5.50	1.68	30	17.86	19.7	18.0	18.8	0.32
10:45	11:15	7.0	N	0:30	5.50	5.63	1.56	30	19.23	18.0	16.4	17.2	0.32
11:15	11:45	7.0	N	0:30	5.63	5.75	1.44	30	20.83	16.4	15.0	15.7	0.33
11:45	12:15	7.0	N	0:30	5.75	5.86	1.32	30	22.73	15.0	13.7	14.3	0.32
12:15	12:45	7.0	N	0:30	5.86	5.96	1.20	30	25.00	13.7	12.5	13.1	0.32
12:45	13:15	7.0	N	0:30	5.96	6.05	1.08	30	27.78	12.5	11.4	11.9	0.31
13:15	13:45	7.0	N	0:30	6.05	6.13	0.96	30	31.25	11.4	10.4	10.9	0.30
13:45	14:15	7.0	N	0:30	6.13	6.21	0.96	30	31.25	10.4	9.5	10.0	0.32
14:15	14:45	7.0	N	0:30	6.21	6.28	0.84	30	35.71	9.5	8.6	9.1	0.30
14:45	15:15	7.0	N	0:30	6.28	6.35	0.84	30	35.71	8.6	7.8	8.2	0.33
Recommended for Design:										**Infiltration Rate**			**0.30**

SALEM engineering group, inc.

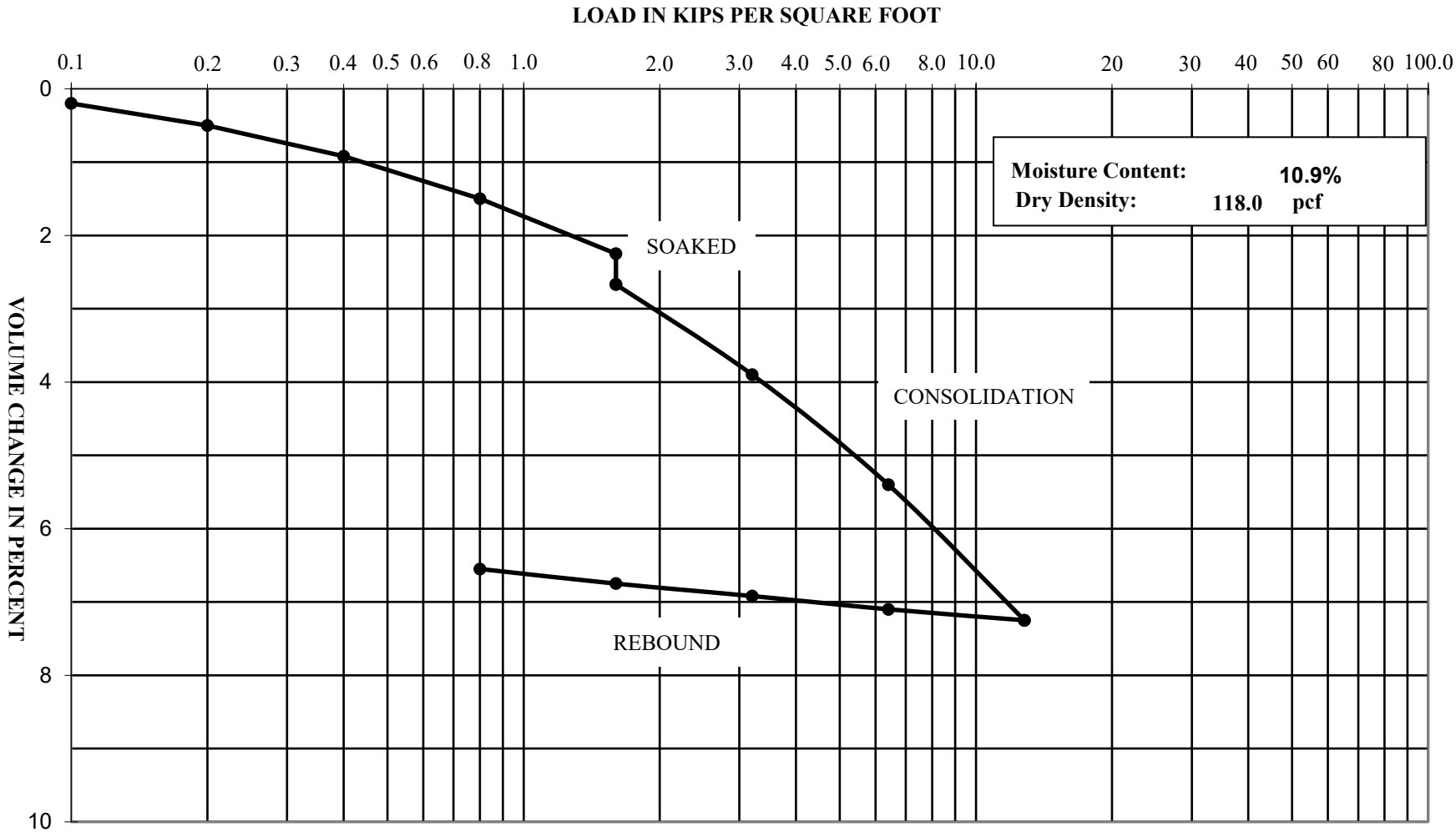
APPENDIX

B

APPENDIX B
LABORATORY TESTING

Laboratory tests were performed in accordance with generally accepted test methods of the American Society for Testing and Materials (ASTM), Caltrans, or other suggested procedures. Selected samples were tested for in-situ dry density and moisture content, corrosivity, consolidation, shear strength, expansion index, maximum density and optimum moisture content and grain size distribution. The results of the laboratory tests are summarized in the following figures.

CONSOLIDATION - PRESSURE TEST DATA
ASTM D 2435



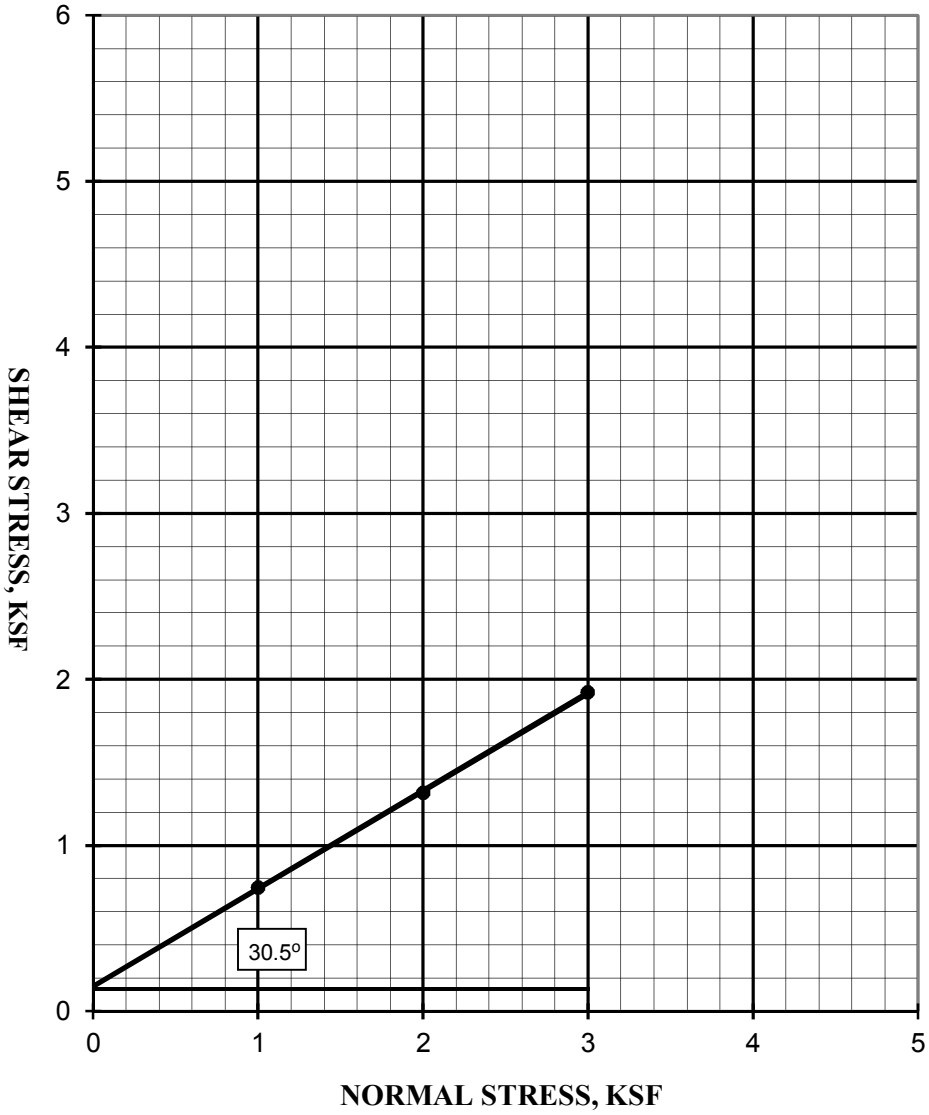
Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-3 @ 5'

SALEM engineering group, inc.

SHEAR STRENGTH DIAGRAM
(DIRECT SHEAR)
ASTM D - 3080



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

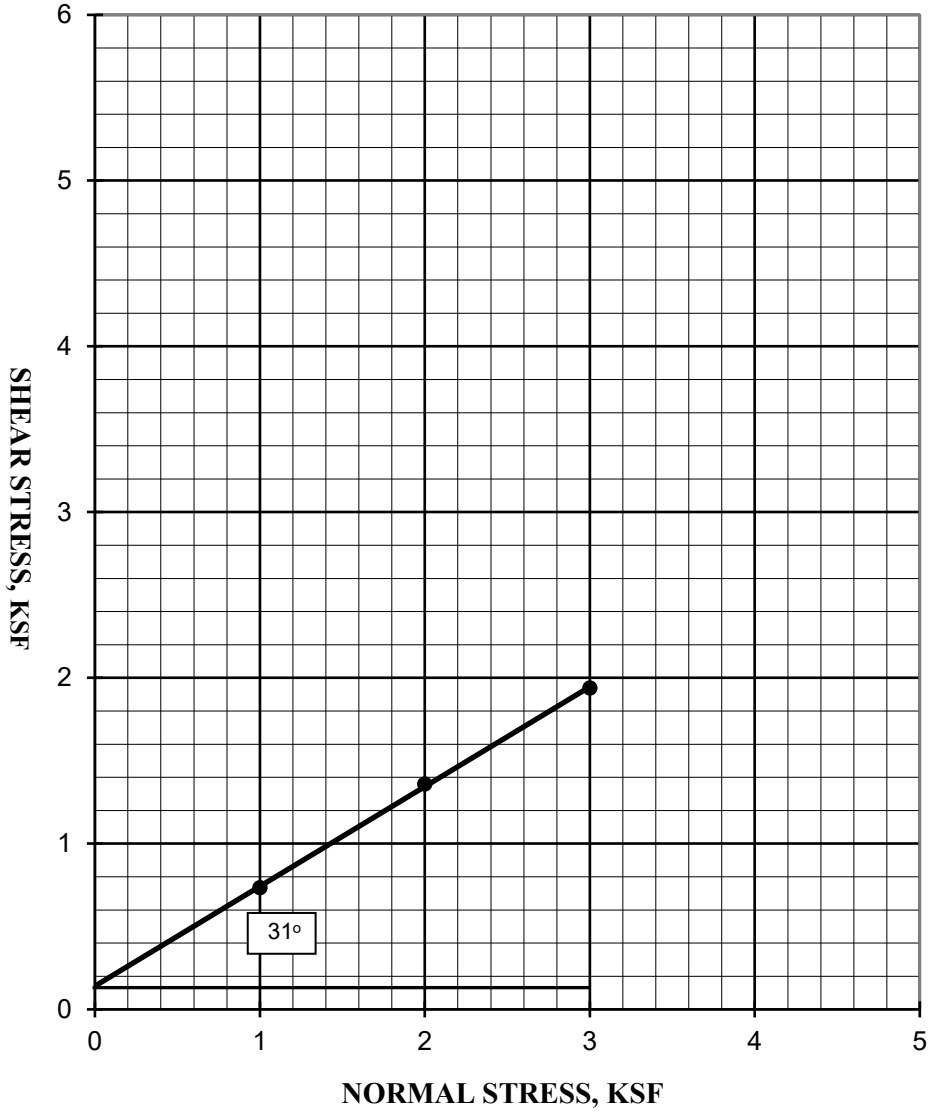
Boring: B-2 @ 2'
Soil Type: SM

Friction Angle:	**30.5**	**degrees**
Cohesion:	**150**	**psf**

Moisture Content	**7.9%**
Dry Density	**111.5 pcf**

SALEM
engineering group, inc.

SHEAR STRENGTH DIAGRAM
(DIRECT SHEAR)
ASTM D - 3080



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-3 @ 2'
Soil Type: SM

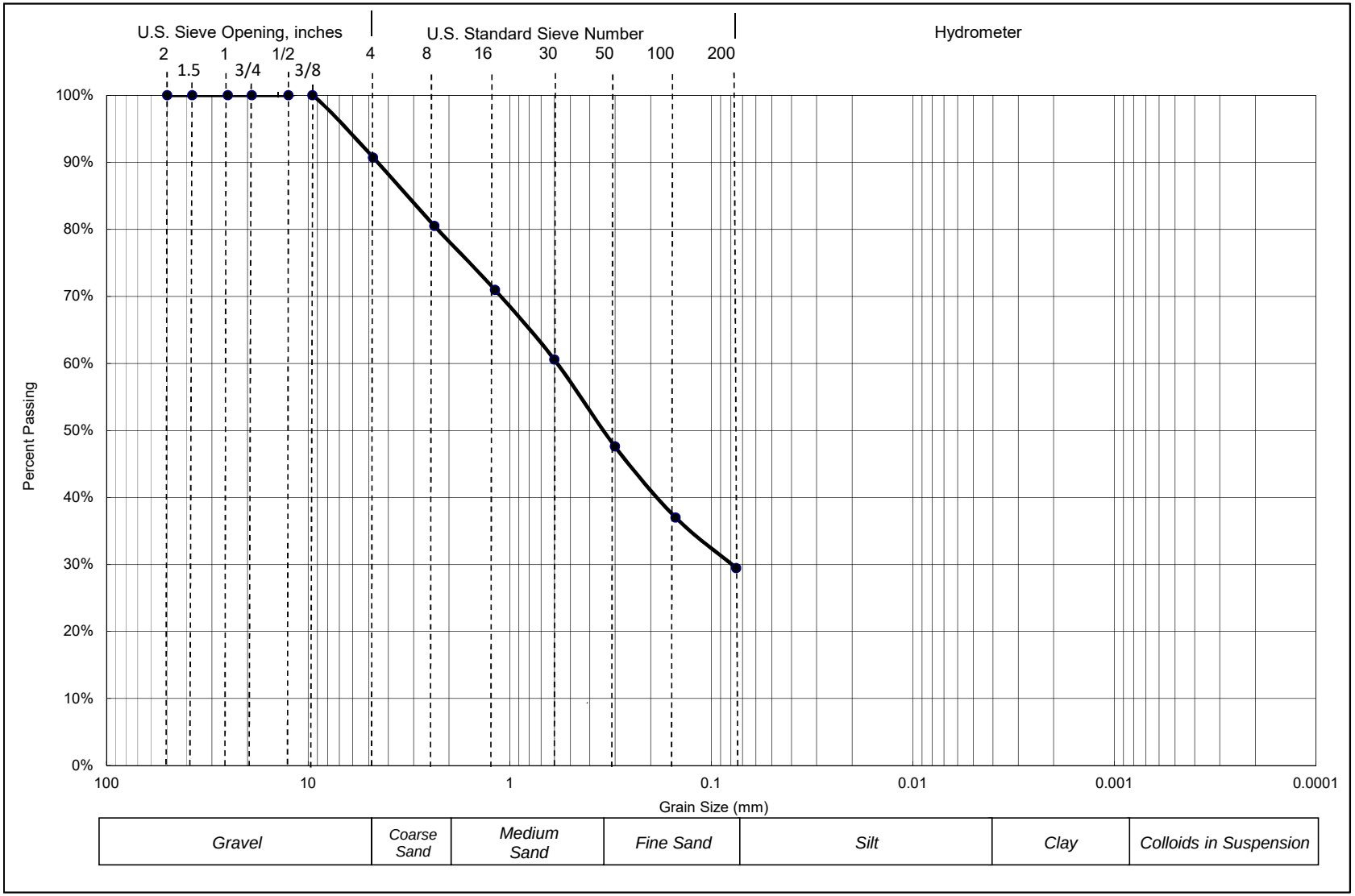
Friction Angle:	**31.0**	**degrees**
Cohesion:	**140**	**psf**

Moisture Content	**11.0%**
Dry Density	**110.8 pcf**

SALEM engineering group, inc.

PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM D 422



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-1 @ 2'

SALEM engineering group, inc.

DRY SIEVE ANALYSIS (ASTM D422 without Hydrometer)

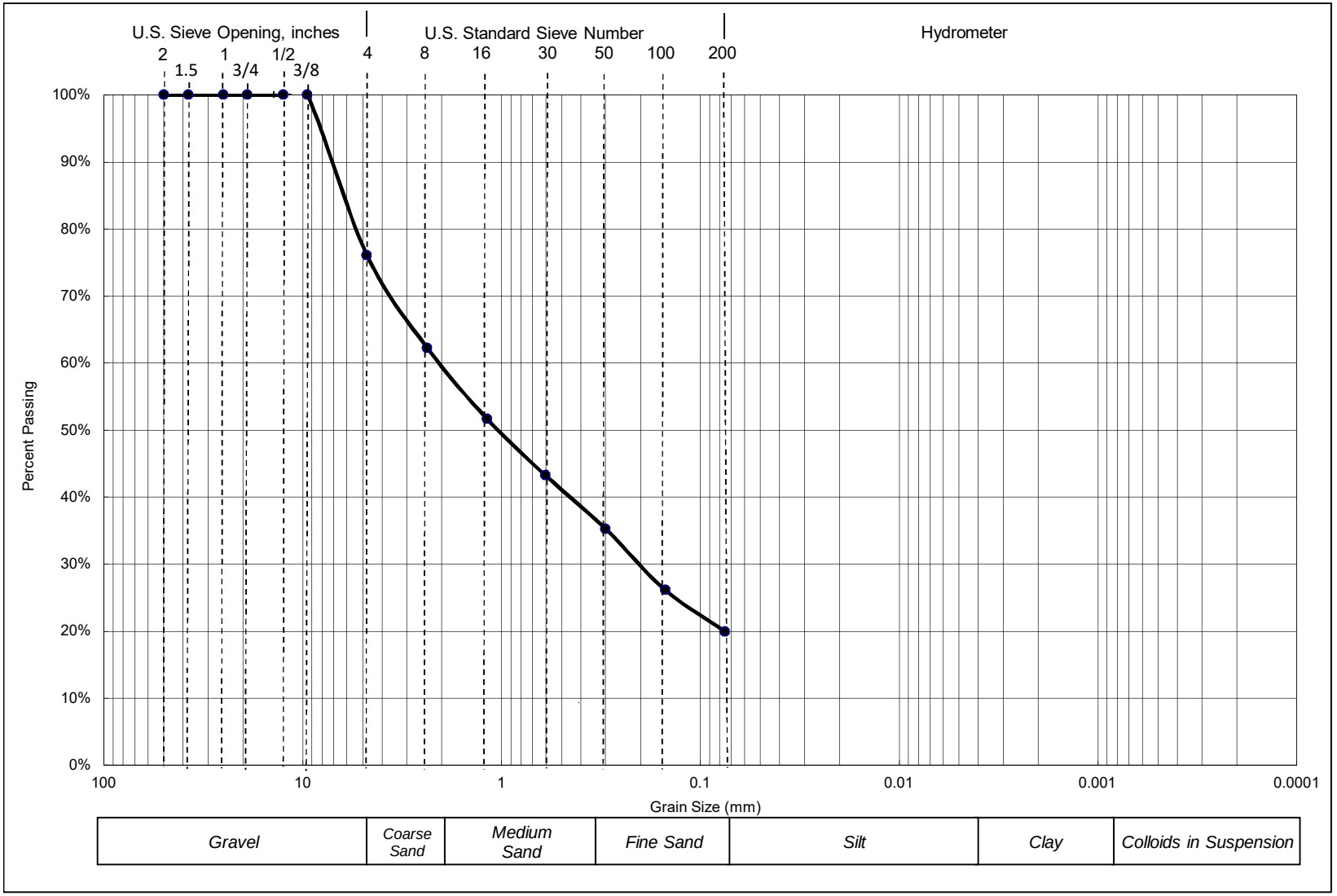
Sieve Size	Particle Size, mm	Percent Passing
1 1/2-in.	37.5	100.0%
1-in.	25	100.0%
3/4-in.	19	100.0%
1/2-in.	12.5	100.0%
3/8-in.	9.5	100.0%
No. 4	4.75	90.7%
No. 8	2.36	80.5%
No. 16	1.18	70.9%
No. 30	0.6	60.6%
No. 50	0.3	47.6%
No. 100	0.15	37.0%
No. 200	0.075	29.4%

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Boring: B-1 @ 2'

SALEM engineering group, inc.

PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM D 422



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-1 @ 5'

SALEM engineering group, inc.

DRY SIEVE ANALYSIS (ASTM D422 without Hydrometer)

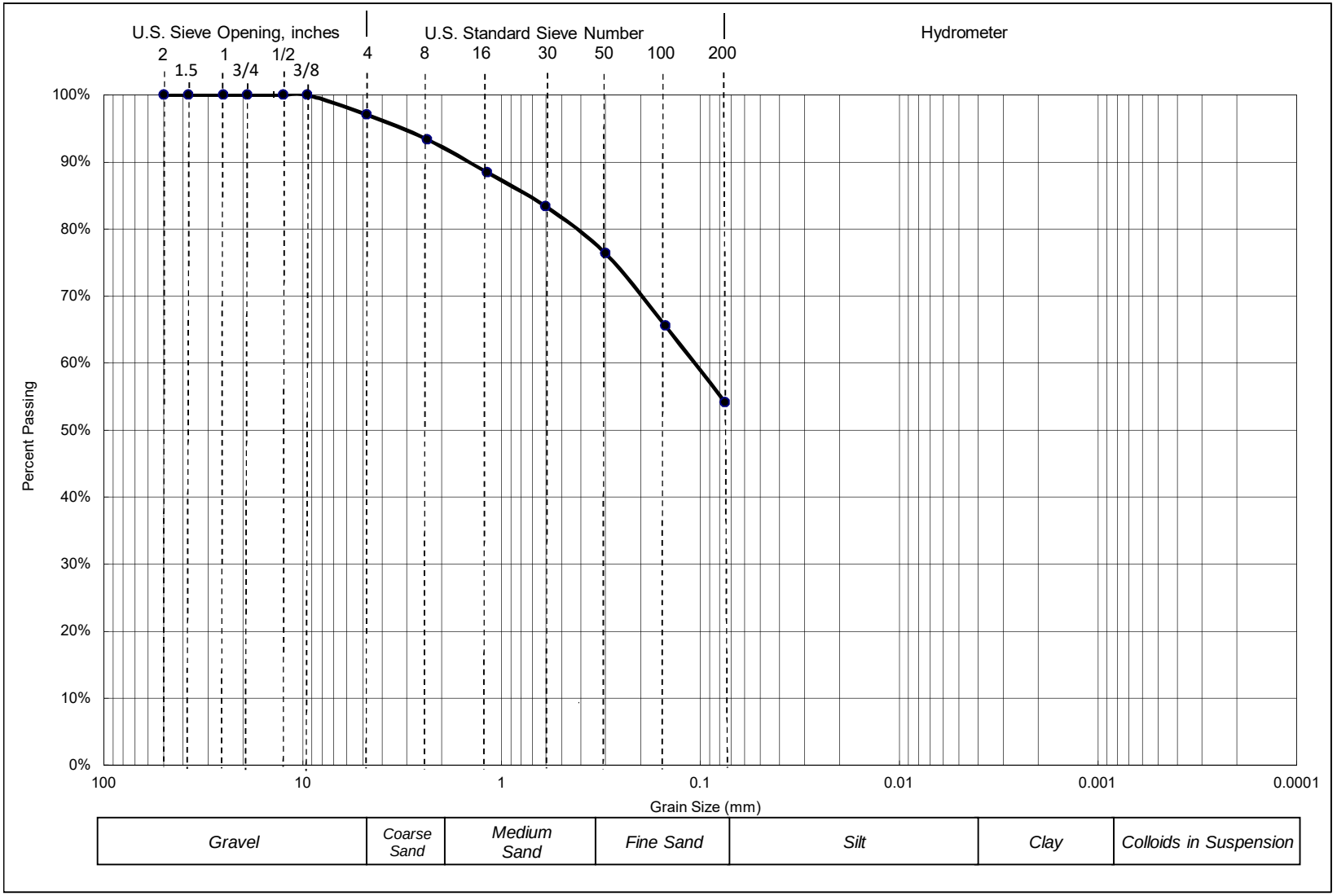
Sieve Size	Particle Size, mm	Percent Passing
1 1/2-in.	37.5	100.0%
1-in.	25	100.0%
3/4-in.	19	100.0%
1/2-in.	12.5	100.0%
3/8-in.	9.5	100.0%
No. 4	4.75	76.1%
No. 8	2.36	62.2%
No. 16	1.18	51.6%
No. 30	0.6	43.2%
No. 50	0.3	35.3%
No. 100	0.15	26.1%
No. 200	0.075	19.9%

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Boring: B-1 @ 5'

SALEM engineering group, inc.

PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM D 422



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-1 @ 10'

SALEM engineering group, inc.

DRY SIEVE ANALYSIS (ASTM D422 without Hydrometer)

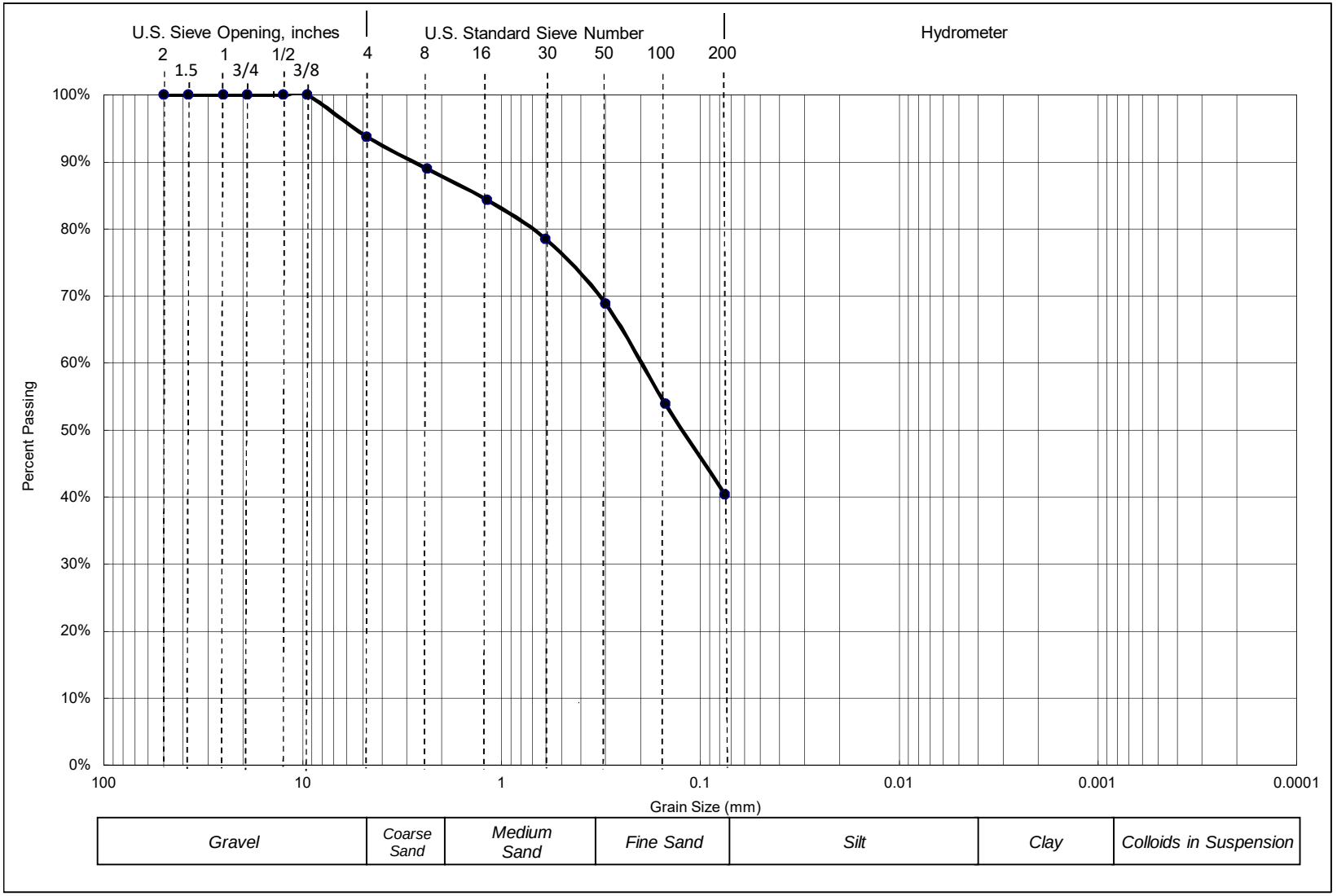
Sieve Size	Particle Size, mm	Percent Passing
1 1/2-in.	37.5	100.0%
1-in.	25	100.0%
3/4-in.	19	100.0%
1/2-in.	12.5	100.0%
3/8-in.	9.5	100.0%
No. 4	4.75	97.1%
No. 8	2.36	93.4%
No. 16	1.18	88.4%
No. 30	0.6	83.4%
No. 50	0.3	76.4%
No. 100	0.15	65.6%
No. 200	0.075	54.2%

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Boring: B-1 @ 10'

SALEM engineering group, inc.

PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM D 422



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-1 @ 15'

SALEM engineering group, inc.

DRY SIEVE ANALYSIS (ASTM D422 without Hydrometer)

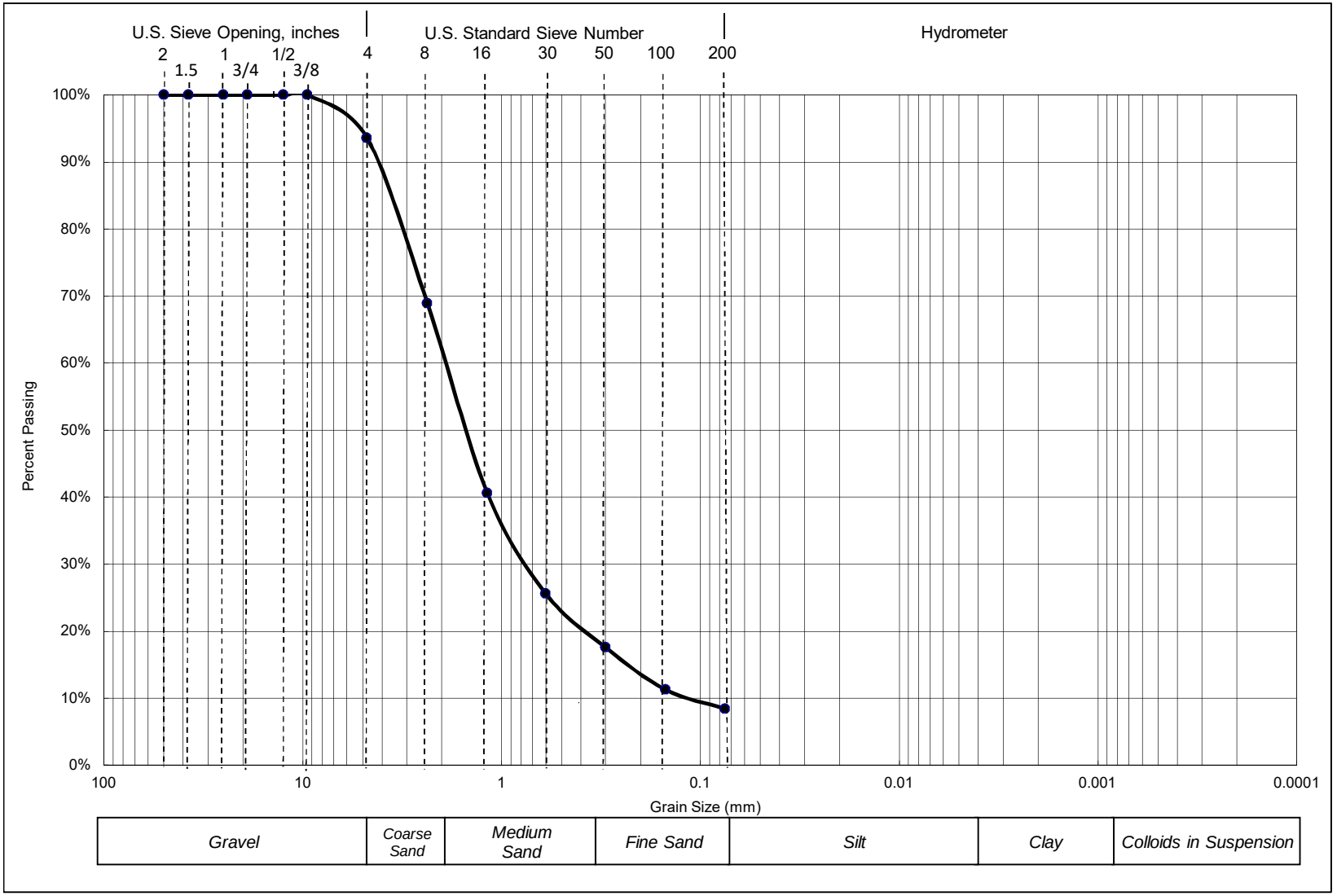
Sieve Size	Particle Size, mm	Percent Passing
1 1/2-in.	37.5	100.0%
1-in.	25	100.0%
3/4-in.	19	100.0%
1/2-in.	12.5	100.0%
3/8-in.	9.5	100.0%
No. 4	4.75	93.8%
No. 8	2.36	88.9%
No. 16	1.18	84.3%
No. 30	0.6	78.5%
No. 50	0.3	68.9%
No. 100	0.15	53.9%
No. 200	0.075	40.3%

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Boring: B-1 @ 15'

SALEM engineering group, inc.

PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM D 422



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-1 @ 20'

SALEM engineering group, inc.

DRY SIEVE ANALYSIS (ASTM D422 without Hydrometer)

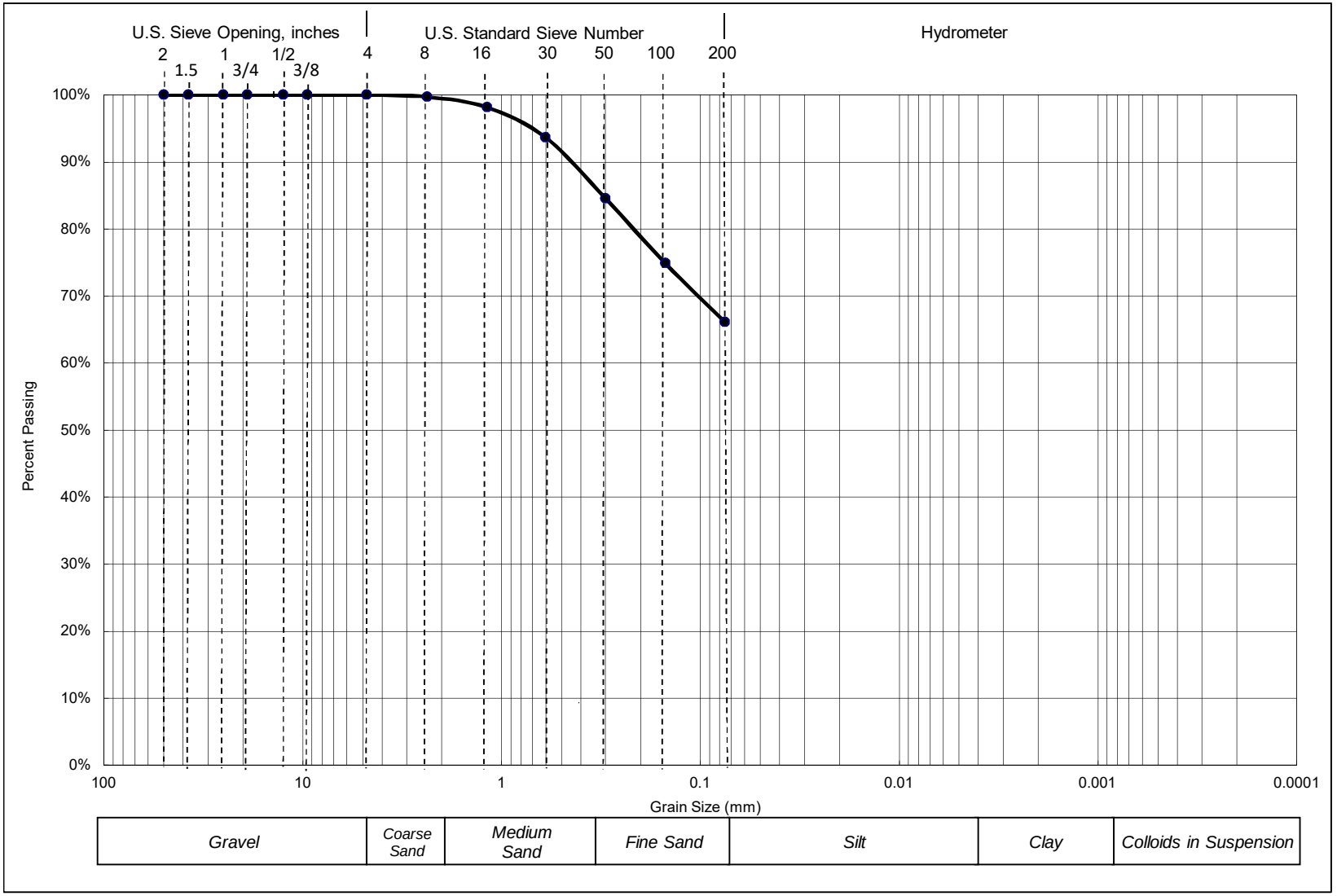
Sieve Size	Particle Size, mm	Percent Passing
1 1/2-in.	37.5	100.0%
1-in.	25	100.0%
3/4-in.	19	100.0%
1/2-in.	12.5	100.0%
3/8-in.	9.5	100.0%
No. 4	4.75	93.6%
No. 8	2.36	68.9%
No. 16	1.18	40.6%
No. 30	0.6	25.6%
No. 50	0.3	17.6%
No. 100	0.15	11.3%
No. 200	0.075	8.4%

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Boring: B-1 @ 20'

SALEM engineering group, inc.

PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM D 422



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-1 @ 25'

SALEM engineering group, inc.

DRY SIEVE ANALYSIS (ASTM D422 without Hydrometer)

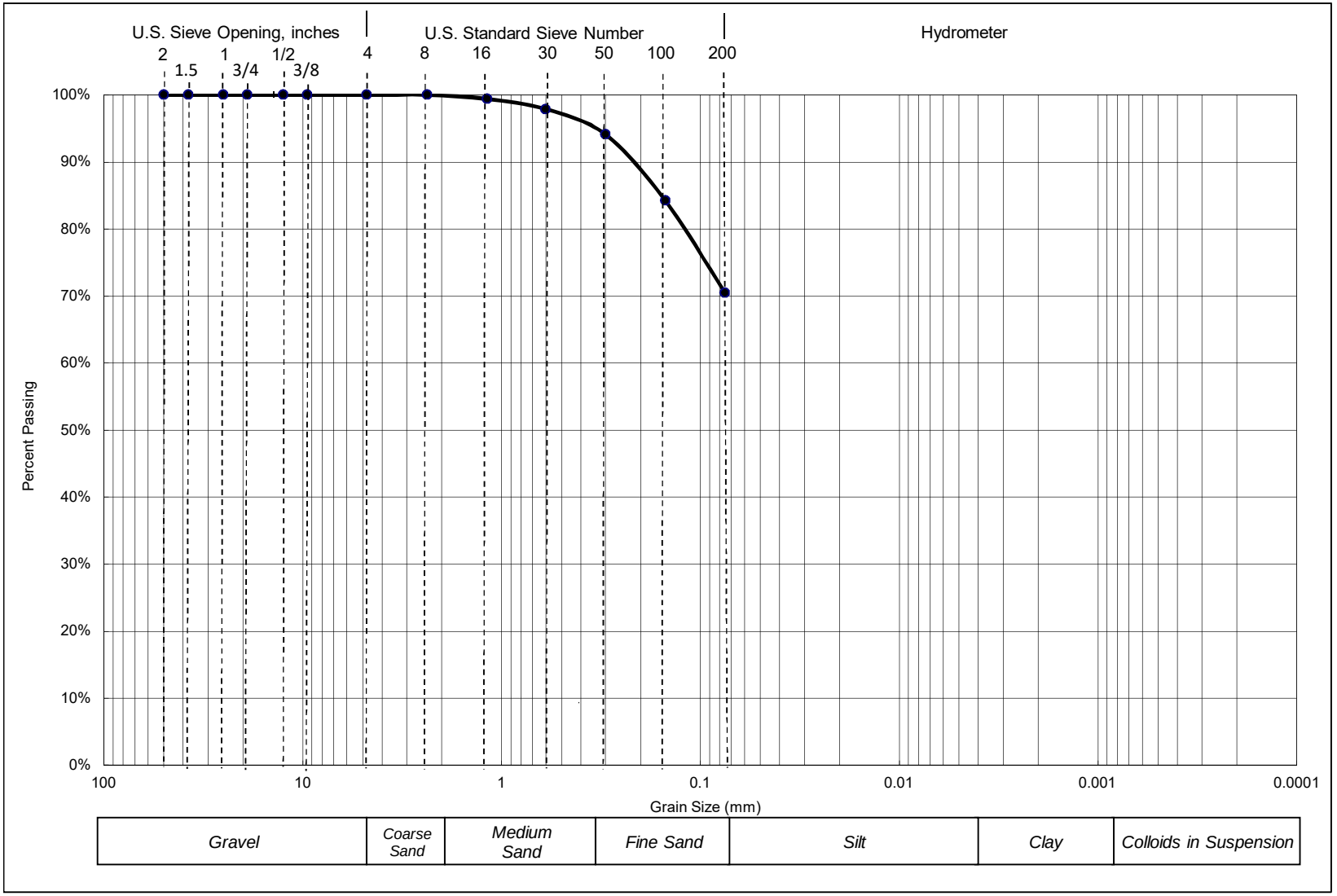
Sieve Size	Particle Size, mm	Percent Passing
1 1/2-in.	37.5	100.0%
1-in.	25	100.0%
3/4-in.	19	100.0%
1/2-in.	12.5	100.0%
3/8-in.	9.5	100.0%
No. 4	4.75	100.0%
No. 8	2.36	99.7%
No. 16	1.18	98.1%
No. 30	0.6	93.7%
No. 50	0.3	84.6%
No. 100	0.15	74.9%
No. 200	0.075	66.1%

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Boring: B-1 @ 25'

SALEM engineering group, inc.

PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM D 422



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-1 @ 30'

SALEM engineering group, inc.

DRY SIEVE ANALYSIS (ASTM D422 without Hydrometer)

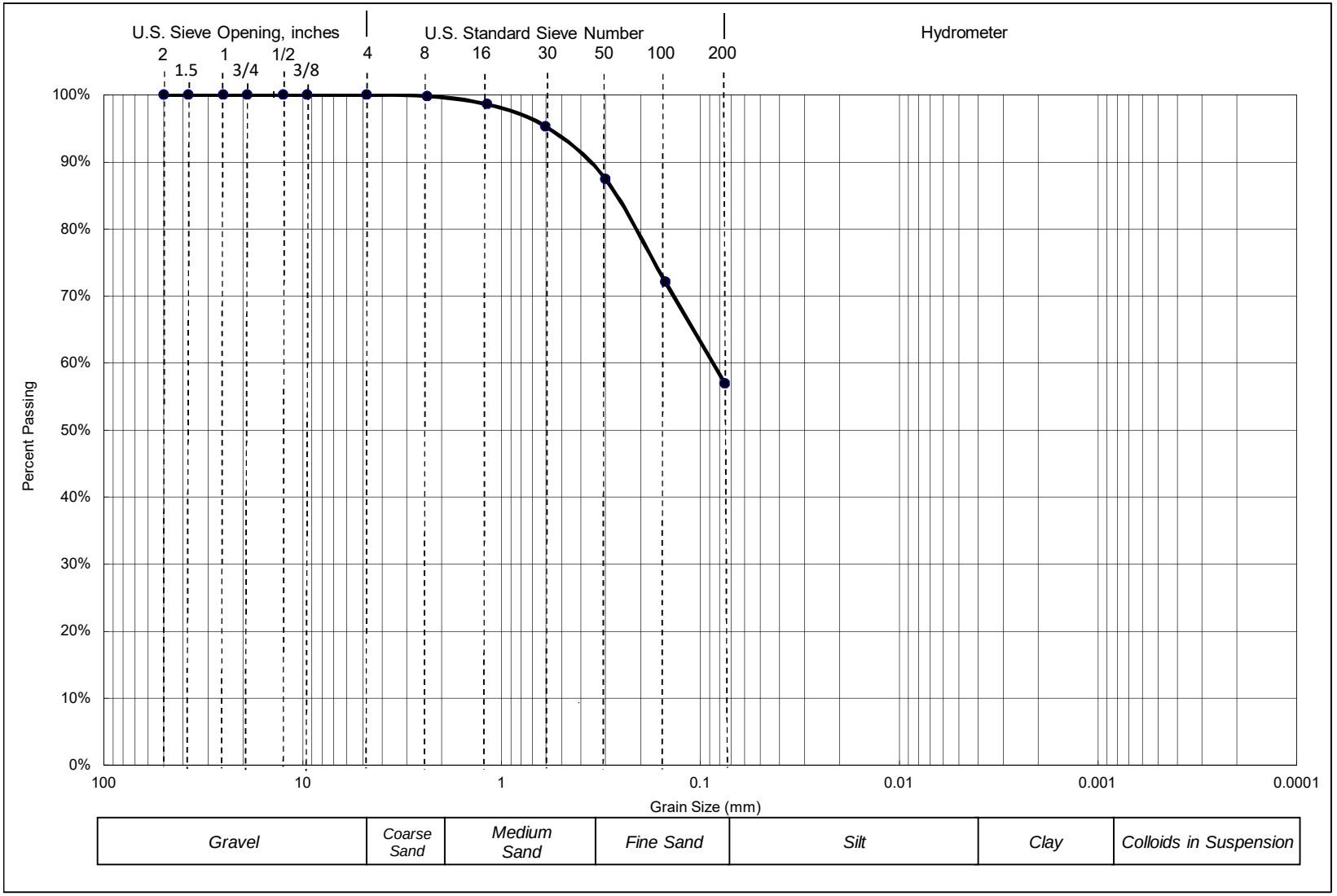
Sieve Size	Particle Size, mm	Percent Passing
1 1/2-in.	37.5	100.0%
1-in.	25	100.0%
3/4-in.	19	100.0%
1/2-in.	12.5	100.0%
3/8-in.	9.5	100.0%
No. 4	4.75	100.0%
No. 8	2.36	100.0%
No. 16	1.18	99.4%
No. 30	0.6	97.9%
No. 50	0.3	94.1%
No. 100	0.15	84.2%
No. 200	0.075	70.5%

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Boring: B-1 @ 30'

SALEM engineering group, inc.

PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM D 422



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-1 @ 35'

SALEM engineering group, inc.

DRY SIEVE ANALYSIS (ASTM D422 without Hydrometer)

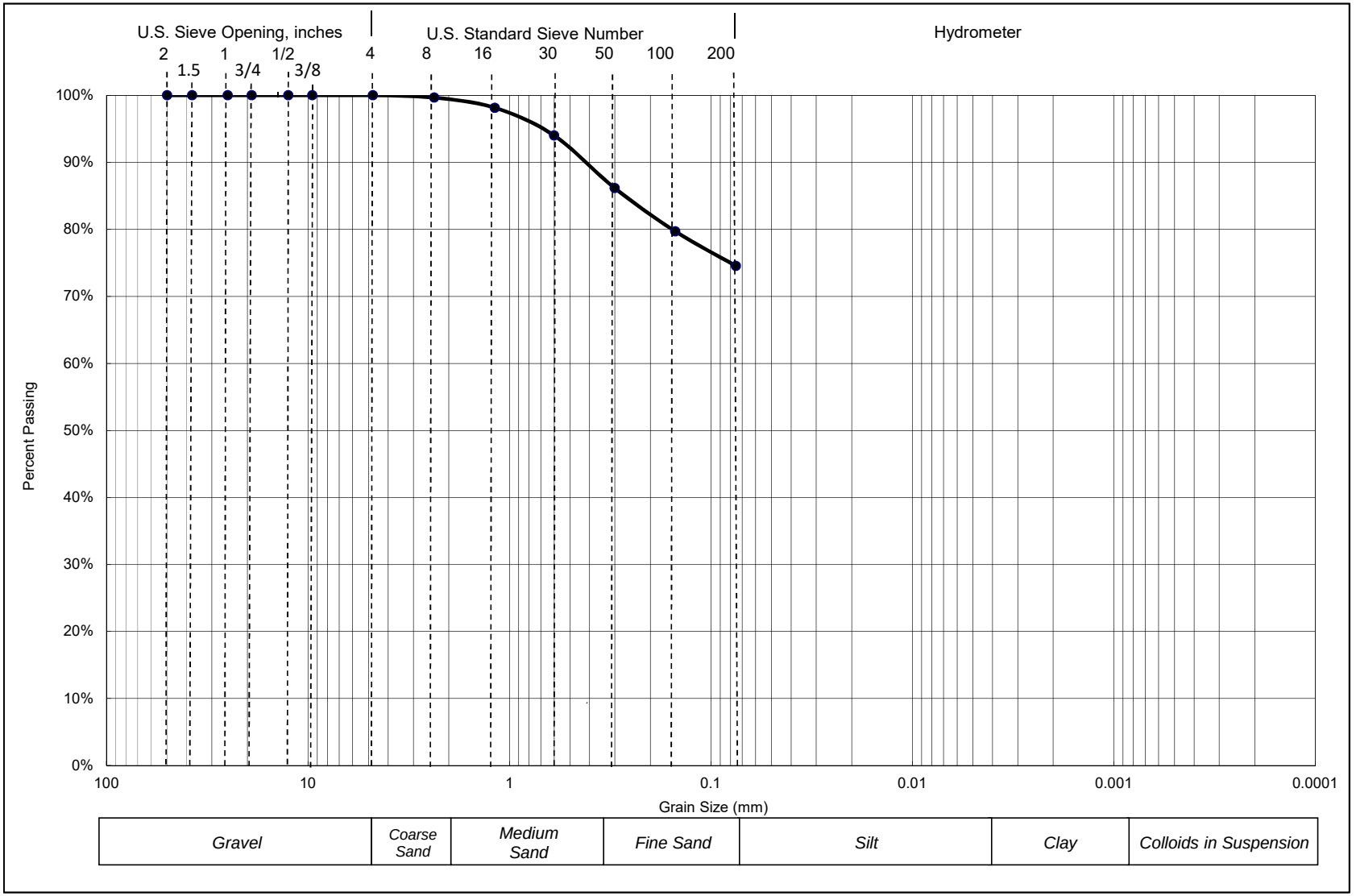
Sieve Size	Particle Size, mm	Percent Passing
1 1/2-in.	37.5	100.0%
1-in.	25	100.0%
3/4-in.	19	100.0%
1/2-in.	12.5	100.0%
3/8-in.	9.5	100.0%
No. 4	4.75	100.0%
No. 8	2.36	99.8%
No. 16	1.18	98.6%
No. 30	0.6	95.3%
No. 50	0.3	87.5%
No. 100	0.15	72.1%
No. 200	0.075	56.9%

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Boring: B-1 @ 35'

SALEM engineering group, inc.

PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM D 422



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-1 @ 40'

SALEM engineering group, inc.

DRY SIEVE ANALYSIS (ASTM D422 without Hydrometer)

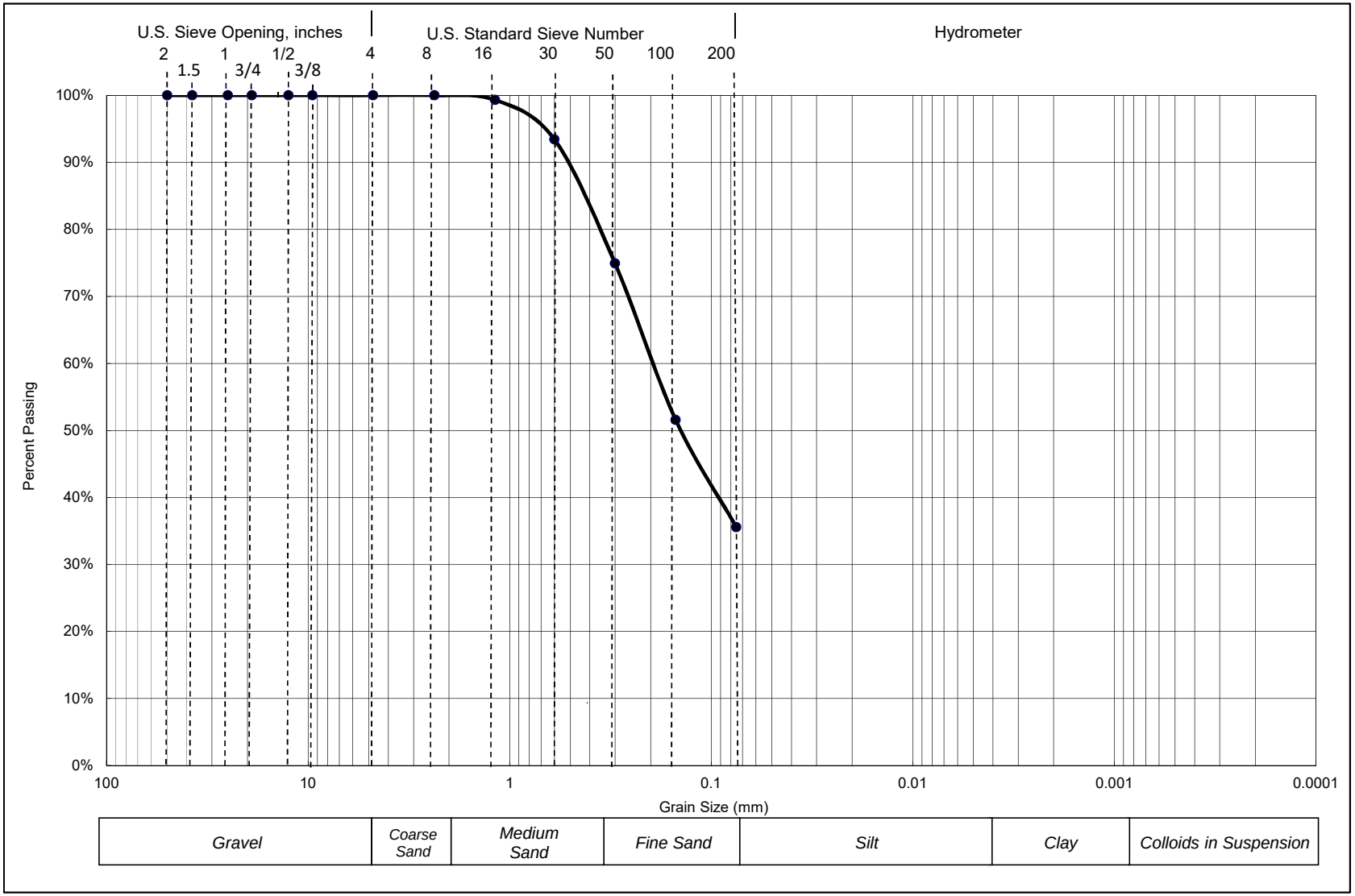
Sieve Size	Particle Size, mm	Percent Passing
1 1/2-in.	37.5	100.0%
1-in.	25	100.0%
3/4-in.	19	100.0%
1/2-in.	12.5	100.0%
3/8-in.	9.5	100.0%
No. 4	4.75	100.0%
No. 8	2.36	99.7%
No. 16	1.18	98.1%
No. 30	0.6	94.0%
No. 50	0.3	86.2%
No. 100	0.15	79.7%
No. 200	0.075	74.5%

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Boring: B-1 @ 40'

SALEM engineering group, inc.

PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM D 422



Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA

Project Number: 3-217-0354

Boring: B-1 @ 45'

SALEM engineering group, inc.

DRY SIEVE ANALYSIS (ASTM D422 without Hydrometer)

Sieve Size	Particle Size, mm	Percent Passing
1 1/2-in.	37.5	100.0%
1-in.	25	100.0%
3/4-in.	19	100.0%
1/2-in.	12.5	100.0%
3/8-in.	9.5	100.0%
No. 4	4.75	100.0%
No. 8	2.36	100.0%
No. 16	1.18	99.3%
No. 30	0.6	93.4%
No. 50	0.3	74.9%
No. 100	0.15	51.6%
No. 200	0.075	35.5%

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Boring: B-1 @ 45'

SALEM engineering group, inc.

EXPANSION INDEX TEST
ASTM D 4829 / UBC Std. 29-2

Project Number: 3-217-0354
Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Date Tested: 4/14/17
Sample location/ Depth: B-1 @ 0' - 3'
Sample Number: 1
Soil Classification: Silty SAND (SM) with trace clay and gravel

Trial #	1	2	3
Weight of Soil & Mold, gms	605.2		
Weight of Mold, gms	186.7		
Weight of Soil, gms	418.5		
Wet Density, Lbs/cu.ft.	126.2		
Weight of Moisture Sample (Wet), gms	300.0		
Weight of Moisture Sample (Dry), gms	281.0		
Moisture Content, %	6.8		
Dry Density, Lbs/cu.ft.	118.2		
Specific Gravity of Soil	2.7		
Degree of Saturation, %	42.9		

Time	Inital	30 min	1 hr	6 hrs	12 hrs	24 hrs
Dial Reading	0	--	--	--	--	0.005

Expansion Index $_{measured}$ = 5
Expansion Index $_{50}$ = 2.2

Expansion Index = **2**

Expansion Potential Table	
Exp. Index	Potential Exp.
0 - 20	Very Low
21 - 50	Low
51 - 90	Medium
91 - 130	High
>130	Very High

SALEM engineering group, inc.

EXPANSION INDEX TEST
ASTM D 4829 / UBC Std. 29-2

Project Number: 3-217-0354
Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Date Tested: 4/17/17
Sample location/ Depth: B-9 @ 0' - 3'
Sample Number: 1
Soil Classification: Sandy SILT (ML) with trace clay

Trial #	1	2	3
Weight of Soil & Mold, gms	615.8		
Weight of Mold, gms	186.7		
Weight of Soil, gms	429.1		
Wet Density, Lbs/cu.ft.	129.4		
Weight of Moisture Sample (Wet), gms	300.0		
Weight of Moisture Sample (Dry), gms	278.5		
Moisture Content, %	7.7		
Dry Density, Lbs/cu.ft.	120.1		
Specific Gravity of Soil	2.7		
Degree of Saturation, %	51.8		

Time	Inital	30 min	1 hr	6 hrs	12 hrs	24 hrs
Dial Reading	0	--	--	--	--	0.027

Expansion Index $_{measured}$ = 27
Expansion Index $_{50}$ = 28.0

Expansion Index = 28

Expansion Potential Table	
Exp. Index	Potential Exp.
0 - 20	Very Low
21 - 50	Low
51 - 90	Medium
91 - 130	High
>130	Very High

SALEM engineering group, inc.

CHEMICAL ANALYSIS

SO_4 - Modified Caltrans 417 & Cl - Modified Caltrans 417/422

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Date: 1/13/17
Soil Classification: Silty SAND (SM)

Sample Number	Sample Location	Soluble Sulfate SO_4-S	Soluble Chloride Cl	pH
1a.	B-1 @ 0' - 3'	280 mg/Kg	108 mg/Kg	7.5
1b.	B-1 @ 0' - 3'	280 mg/Kg	110 mg/Kg	7.5
1c.	B-1 @ 0' - 3'	280 mg/Kg	109 mg/Kg	7.5
Average:		**280 mg/Kg**	**109 mg/Kg**	**7.5**

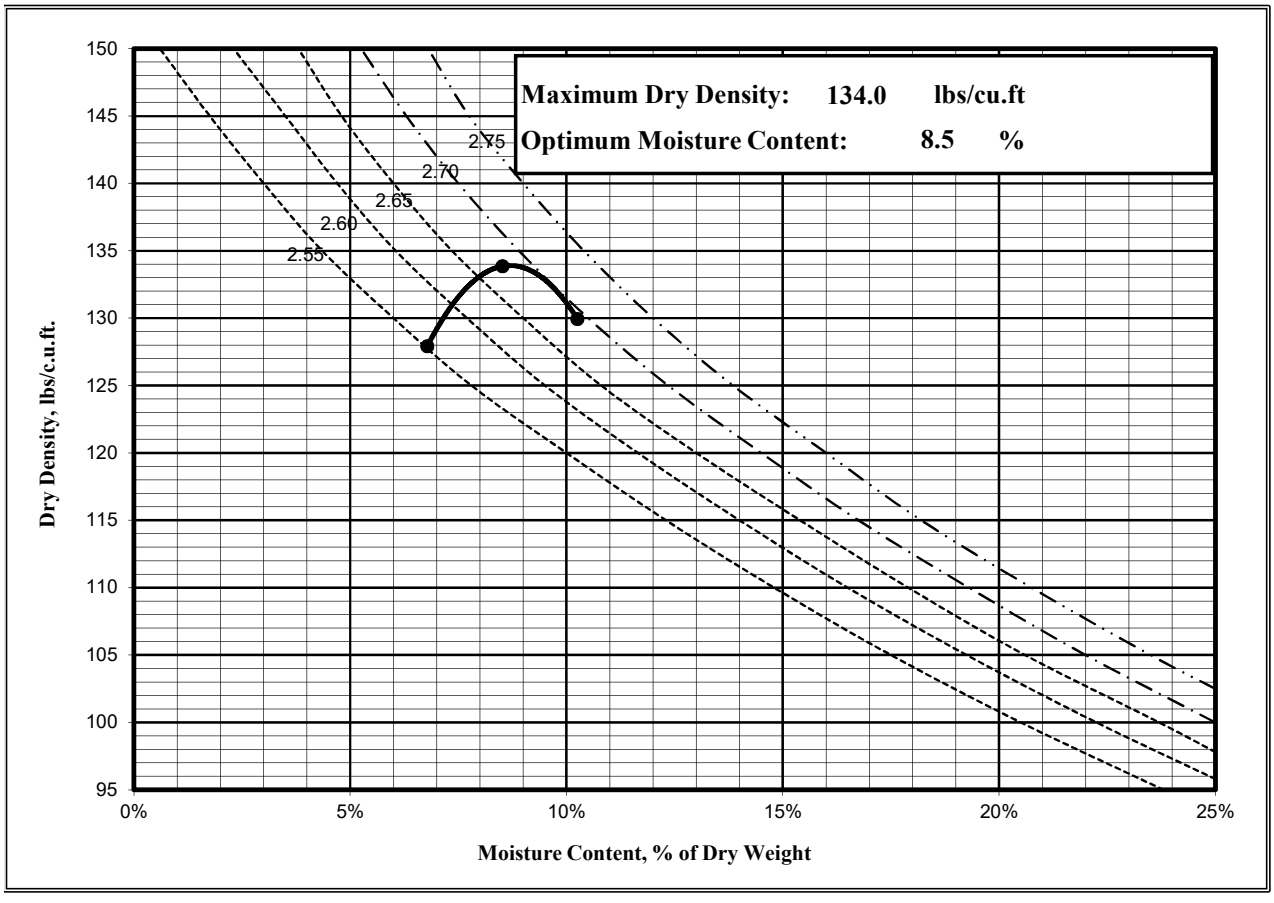
SALEM engineering group, inc.

LABORATORY COMPACTION CURVE

ASTM - D1557, D698

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Date Tested: 4/14/17
Sample Location: B-1 @ 0' - 3'
Soil Classification: Silty SAND (SM) with trace clay and gravel
Sample/Curve Number: 1
Test Method: 1557 A

	1	2	3
Weight of Moist Specimen & Mold, gm	4419.8	4450.2	4319.2
Weight of Compaction Mold, gm	2256.0	2256.0	2256.0
Weight of Moist Specimen, gm	2163.8	2194.2	2063.2
Volume of mold, cu. ft.	0.0333	0.0333	0.0333
Wet Density, lbs/cu.ft.	143.3	145.3	136.6
Weight of Wet (Moisture) Sample, gm	200.0	200.0	200.0
Weight of Dry (Moisture) Sample, gm	181.4	184.3	187.3
Moisture Content, %	10.3%	8.5%	6.8%
Dry Density, lbs/cu.ft.	129.9	133.9	127.9



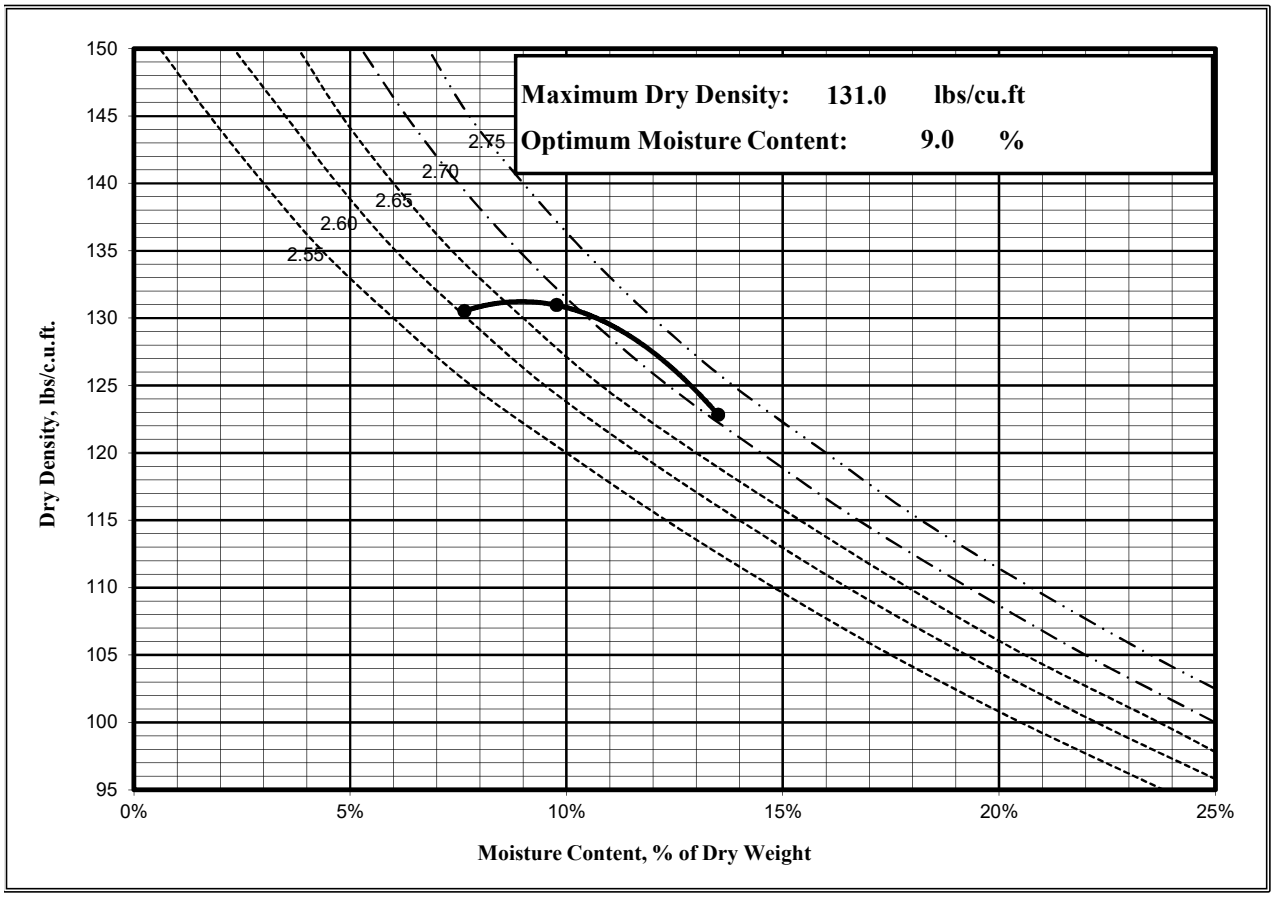
SALEM engineering group, inc.

LABORATORY COMPACTION CURVE

ASTM - D1557, D698

Proposed Honda Auto Dealership, Collier Avenue and 3rd Street, Lake Elsinore, CA
Project Number: 3-217-0354
Date Tested: 4/14/17
Sample Location: B-9 @ 0' - 3'
Soil Classification: Sandy SILT (ML) with trace clay
Sample/Curve Number: 1
Test Method: 1557 A

	1	2	3
Weight of Moist Specimen & Mold, gm	4361.8	4427.5	4378.4
Weight of Compaction Mold, gm	2256.0	2256.0	2256.0
Weight of Moist Specimen, gm	2105.8	2171.5	2122.4
Volume of mold, cu. ft.	0.0333	0.0333	0.0333
Wet Density, lbs/cu.ft.	139.4	143.8	140.5
Weight of Wet (Moisture) Sample, gm	200.0	200.0	200.0
Weight of Dry (Moisture) Sample, gm	176.2	182.2	185.8
Moisture Content, %	13.5%	9.8%	7.6%
Dry Density, lbs/cu.ft.	122.8	131.0	130.5



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APPENDIX

C

APPENDIX C
GENERAL EARTHWORK AND PAVEMENT SPECIFICATIONS

When the text of the report conflicts with the general specifications in this appendix, the recommendations in the report have precedence.

1.0 SCOPE OF WORK: These specifications and applicable plans pertain to and include all earthwork associated with the site rough grading, including, but not limited to, the furnishing of all labor, tools and equipment necessary for site clearing and grubbing, stripping, preparation of foundation materials for receiving fill, excavation, processing, placement and compaction of fill and backfill materials to the lines and grades shown on the project grading plans and disposal of excess materials.

2.0 PERFORMANCE: The Contractor shall be responsible for the satisfactory completion of all earthwork in accordance with the project plans and specifications. This work shall be inspected and tested by a representative of SALEM Engineering Group, Incorporated, hereinafter referred to as the Soils Engineer and/or Testing Agency. Attainment of design grades, when achieved, shall be certified by the project Civil Engineer. Both the Soils Engineer and the Civil Engineer are the Owner's representatives. If the Contractor should fail to meet the technical or design requirements embodied in this document and on the applicable plans, he shall make the necessary adjustments until all work is deemed satisfactory as determined by both the Soils Engineer and the Civil Engineer. No deviation from these specifications shall be made except upon written approval of the Soils Engineer, Civil Engineer, or project Architect.

No earthwork shall be performed without the physical presence or approval of the Soils Engineer. The Contractor shall notify the Soils Engineer at least 2 working days prior to the commencement of any aspect of the site earthwork.

The Contractor shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the Contractor shall defend, indemnify and hold the Owner and the Engineers harmless from any and all liability, real or alleged, in connection with the performance of work on this project, except for liability arising from the sole negligence of the Owner or the Engineers.

3.0 TECHNICAL REQUIREMENTS: All compacted materials shall be densified to no less that 95 percent of relative compaction (90 percent for cohesive soils) based on ASTM D1557 Test Method (latest edition), UBC or CAL-216, or as specified in the technical portion of the Soil Engineer's report. The location and frequency of field density tests shall be determined by the Soils Engineer. The results of these tests and compliance with these specifications shall be the basis upon which satisfactory completion of work will be judged by the Soils Engineer.

4.0 SOILS AND FOUNDATION CONDITIONS: The Contractor is presumed to have visited the site and to have familiarized himself with existing site conditions and the contents of the data presented in the Geotechnical Engineering Report. The Contractor shall make his own interpretation of the data contained in the Geotechnical Engineering Report and the Contractor shall not be relieved of liability for any loss sustained as a result of any variance between conditions indicated by or deduced from said report and the actual conditions encountered during the progress of the work.

5.0 DUST CONTROL: The work includes dust control as required for the alleviation or prevention of any dust nuisance on or about the site or the borrow area, or off-site if caused by the Contractor's operation either during the performance of the earthwork or resulting from the conditions in which the Contractor leaves the site. The Contractor shall assume all liability, including court costs of codefendants, for all claims related to dust or wind-blown materials attributable to his work. Site preparation shall consist of site clearing and grubbing and preparation of foundation materials for receiving fill.

6.0 CLEARING AND GRUBBING: The Contractor shall accept the site in this present condition and shall demolish and/or remove from the area of designated project earthwork all structures, both surface and subsurface, trees, brush, roots, debris, organic matter and all other matter determined by the Soils Engineer to be deleterious. Such materials shall become the property of the Contractor and shall be removed from the site.

Tree root systems in proposed improvement areas should be removed to a minimum depth of 3 feet and to such an extent which would permit removal of all roots greater than 1 inch in diameter. Tree roots removed in parking areas may be limited to the upper 1½ feet of the ground surface. Backfill of tree root excavations is not permitted until all exposed surfaces have been inspected and the Soils Engineer is present for the proper control of backfill placement and compaction. Burning in areas which are to receive fill materials shall not be permitted.

7.0 SUBGRADE PREPARATION: Surfaces to receive Engineered Fill and/or building or slab loads shall be prepared as outlined above, scarified to a minimum of 12 inches, moisture-conditioned as necessary, and recompacted to 95 percent relative compaction (90 percent for cohesive soils).Loose soil areas and/or areas of disturbed soil shall be moisture-conditioned as necessary and recompacted to 95 percent relative compaction (90 percent for cohesive soils). All ruts, hummocks, or other uneven surface features shall be removed by surface grading prior to placement of any fill materials. All areas which are to receive fill materials shall be approved by the Soils Engineer prior to the placement of any fill material.

8.0 EXCAVATION: All excavation shall be accomplished to the tolerance normally defined by the Civil Engineer as shown on the project grading plans. All over-excavation below the grades specified shall be backfilled at the Contractor's expense and shall be compacted in accordance with the applicable technical requirements.

9.0 FILL AND BACKFILL MATERIAL: No material shall be moved or compacted without the presence or approval of the Soils Engineer. Material from the required site excavation may be utilized for construction site fills, provided prior approval is given by the Soils Engineer. All materials utilized for constructing site fills shall be free from vegetation or other deleterious matter as determined by the Soils Engineer.

10.0 PLACEMENT, SPREADING AND COMPACTION: The placement and spreading of approved fill materials and the processing and compaction of approved fill and native materials shall be the responsibility of the Contractor. Compaction of fill materials by flooding, ponding, or jetting shall not be permitted unless specifically approved by local code, as well as the Soils Engineer. Both cut and fill shall be surface-compacted to the satisfaction of the Soils Engineer prior to final acceptance.

11.0 SEASONAL LIMITS: No fill material shall be placed, spread, or rolled while it is frozen or thawing, or during unfavorable wet weather conditions. When the work is interrupted by heavy rains, fill

operations shall not be resumed until the Soils Engineer indicates that the moisture content and density of previously placed fill is as specified.

12.0 DEFINITIONS - The term "pavement" shall include asphaltic concrete surfacing, untreated aggregate base, and aggregate subbase. The term "subgrade" is that portion of the area on which surfacing, base, or subbase is to be placed.

The term “Standard Specifications”: hereinafter referred to, is the most recent edition of the Standard Specifications of the State of California, Department of Transportation. The term "relative compaction" refers to the field density expressed as a percentage of the maximum laboratory density as determined by ASTM D1557 Test Method (latest edition) or California Test Method 216 (CAL-216), as applicable.

13.0 PREPARATION OF THE SUBGRADE - The Contractor shall prepare the surface of the various subgrades receiving subsequent pavement courses to the lines, grades, and dimensions given on the plans. The upper 12 inches of the soil subgrade beneath the pavement section shall be compacted to a minimum relative compaction of 95 percent (90 percent for cohesive soils) based upon ASTM D1557. The finished subgrades shall be tested and approved by the Soils Engineer prior to the placement of additional pavement courses.

14.0 AGGREGATE BASE - The aggregate base material shall be spread and compacted on the prepared subgrade in conformity with the lines, grades, and dimensions shown on the plans. The aggregate base material shall conform to the requirements of Section 26 of the Standard Specifications for Class II material, ¾-inch or 1½-inches maximum size. The aggregate base material shall be compacted to a minimum relative compaction of 95 percent based upon CAL-216. The aggregate base material shall be spread in layers not exceeding 6 inches and each layer of aggregate material course shall be tested and approved by the Soils Engineer prior to the placement of successive layers.

15.0 AGGREGATE SUBBASE - The aggregate subbase shall be spread and compacted on the prepared subgrade in conformity with the lines, grades, and dimensions shown on the plans. The aggregate subbase material shall conform to the requirements of Section 25 of the Standard Specifications for Class II Subbase material. The aggregate subbase material shall be compacted to a minimum relative compaction of 95 percent based upon CAL-216, and it shall be spread and compacted in accordance with the Standard Specifications. Each layer of aggregate subbase shall be tested and approved by the Soils Engineer prior to the placement of successive layers.

16.0 ASPHALTIC CONCRETE SURFACING - Asphaltic concrete surfacing shall consist of a mixture of mineral aggregate and paving grade asphalt, mixed at a central mixing plant and spread and compacted on a prepared base in conformity with the lines, grades, and dimensions shown on the plans. The viscosity grade of the asphalt shall be PG 64-10, unless otherwise stipulated or local conditions warrant more stringent grade. The mineral aggregate shall be Type A or B, ½ inch maximum size, medium grading, and shall conform to the requirements set forth in Section 39 of the Standard Specifications. The drying, proportioning, and mixing of the materials shall conform to Section 39. The prime coat, spreading and compacting equipment, and spreading and compacting the mixture shall conform to the applicable chapters of Section 39, with the exception that no surface course shall be placed when the atmospheric temperature is below 50 degrees F. The surfacing shall be rolled with a combination steel-wheel and pneumatic rollers, as described in the Standard Specifications. The surface course shall be placed with an approved self-propelled mechanical spreading and finishing machine.

Appendix 4: Historical Site Conditions

Phase I Environmental Site Assessment or Other Information on Past Site Use

- *Phase I Environmental Site Assessment Prepared by ATC Group Services LLC*
- *Topographic Survey Site Plan*

PHASE I ENVIRONMENTAL SITE ASSESSMENT
OF

PROSPECTIVE ZAMORA AUTOMOTIVE SITE
COLLIER AVENUE
LAKE ELSINORE, CALIFORNIA 92532

ATC PROJECT NO. 1011600914

APRIL 26, 2017

Prepared by:

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Prepared for:

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1.0 EXECUTIVE SUMMARY

1.1 General Information

ATC Group Services LLC (ATC) has performed a Phase I Environmental Site Assessment (ESA) of three parcels, totaling 6.97 acres, located approximately 1,250 feet southeast of the intersection of Collier and Central Avenues in Lake Elsinore, Riverside County, California (herein referred to as the "subject property"). The subject property is currently vacant land, with the exception of a three-wall structure and two large billboard signs. ATC did not deviate from ASTM Standard Practice E 1527-13 when performing this Phase I ESA.

This report was prepared by Ms. Victoria Rojo, Staff Scientist with ATC.

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in § 312.10 part of 40 CFR 312. I have the specific qualifications based on education, training and experience to assess a subject property of the nature, history and setting of the subject property. ATC has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Victoria Rojo
Staff Scientist / Site Assessor
Environmental Professional

Gwen Reed
Program Manager / Senior Reviewer
Environmental Professional

Dawn Merrill
Client Manager

1.2 Findings and Conclusions Summary

ATC has performed this Phase I ESA of the subject property in conformance with the scope and limitations of ASTM Standard Practice E1527-13. Any exceptions to, or deletions from, this practice are described in **Section 2.0** of this report.

Recognized Environmental Conditions & Potential Environmental Concerns

In the professional opinion of ATC, all appropriate inquiry has been made into the previous ownership and uses of the subject property consistent with good commercial and customary practice in an effort to minimize liability, and no evidence or indication of *recognized environmental conditions* (RECs) have been revealed in connection to the subject property.

Historical Recognized Environmental Conditions

No *historical recognized environmental conditions* were identified during the course of this investigation.

Controlled Recognized Environmental Conditions

No *controlled recognized environmental conditions* were identified during the course of this investigation.

Non-CERCLA Issues

Suspect asbestos-containing materials (ACMs) were identified on the subject property. The suspect ACM (block walls and mortar) was observed to be in fair condition at the time of the site visit. Portions of the on-site enclosure appeared to be cracked.

It is possible that lead-based paint (LBP) exists at the property. The painted components (block wall enclosure) at the property appeared to exhibit visible signs of peeling and flaking.

1.3 Significant Data Gap Summary

Data gaps may have been encountered during the performance of this Phase I ESA and are discussed within the section of the report where they were encountered. However, according to ASTM Standard Practice E 1527-13, *data gaps* are only significant if "other information and/or professional experience raise reasonable concerns involving the *data gap*." The following is a summary of significant data gaps identified in this report.

SIGNIFICANT DATA GAP SUMMARY		
Report Section		**Description**
3.2	**Environmental Liens or Activity and Use Limitations (AULs)**	No *significant data gap* identified.
4.3	**Physical Setting Sources**	No *significant data gap* identified.
4.6	**Current Uses of Adjoining Properties**	No *significant data gap* identified.
5.1	**Standard Environmental Records**	No *significant data gap* identified.
6.0	**Historical Records Sources**	No *significant data gap* identified.
7.1	**Methodology and Limiting Conditions**	No *significant data gap* identified.
9.0	**Interviews**	No *significant data gap* identified.

1.4 Recommendations

Based on information collected from the Phase I ESA, ATC offers the following recommendation:

Prior to any planned renovation or demolition, ATC recommends that an ACM and LBP survey be performed of all suspect material identified on site.

2.0 INTRODUCTION

2.1 Purpose

The purpose of this Phase I ESA was to identify *recognized environmental conditions* in connection with the subject property at the time of the site reconnaissance. The scope of work for this Phase I ESA may also include certain potential environmental conditions beyond the scope of ASTM Standard Practice E1527-13 as listed below. This report documents the findings, opinions and conclusions of the Phase I ESA.

2.2 Scope

This Phase I ESA was conducted in general accordance with the ASTM Standard Practice E1527-13 and Comerica Bank's *Guidance Document for Phase I Environmental Site Assessments* (issued in November 2014), consistent with a level of care and skill ordinarily practiced by the environmental consulting profession currently providing similar services under similar circumstances. Significant additions, deletions or exceptions to ASTM Standard Practice E1527-13 are noted below or in the corresponding sections of this report. The scope of this assessment included an evaluation of the following:

- Physical setting characteristics of the subject property through a review of referenced sources such as topographic maps and geologic, soils and hydrologic reports.

- Usage of the subject property, adjoining properties and surrounding area through a review of referenced historical sources such as land title records, fire insurance maps, city directories, aerial photographs, prior reports and interviews.

- Observations and interviews regarding current subject property usage and conditions including: the use, treatment, storage, disposal or generation of hazardous substances, petroleum products, hazardous wastes, nonhazardous solid wastes and wastewater.

- Usage of adjoining and surrounding area properties and the likely impact of known or suspected releases of hazardous substances or petroleum products from those properties in, on or at the subject property.

- Information in referenced environmental agency databases and local environmental records, within the specified approximate minimum search distance from the subject property.

- Potential for subsurface vapor migration in, on or at the subject property as described in **Section 8.0**.

The scope of the assessment also included consideration of the following potential environmental issues or conditions that are beyond the scope of ASTM Standard Practice E1527-13:

- Observations of readily visible and physically accessible building materials (except roofing materials) to evaluate the possible presence and condition of asbestos-containing materials (ACMs), and limited sampling as per lender guidelines (if applicable).

- Observations of readily visible and physically accessible building surfaces to evaluate the possible presence of lead-based paint (LBP).

- Lead in drinking water data review, consisting of contacting the water supplier for information regarding whether or not the potable water provided to the subject property meets the drinking water standards for lead.

- Observations of readily visible and physically accessible exterior evidence of wetlands.

- Evaluate other potential issues of environmental (e.g., regulatory or material) non-compliance as may be noted during the subject property inspection.

2.3 Significant Assumptions

The assumptions in this report were not considered as having significant impact on the determination of *recognized environmental conditions* associated with the subject property.

2.4 Limitations and Exceptions

ATC has prepared this Phase I ESA report using reasonable efforts to identify *recognized environmental conditions* associated with hazardous substances or petroleum products in, on or at the subject property. Findings contained within this report are based on information collected from observations made on the day(s) of the site reconnaissance and from reasonably ascertainable information obtained from certain public agencies and other referenced sources.

The ASTM Standard Practice E1527-13 recognizes inherent limitations for Phase I ESAs, including, but not limited to:

- *Uncertainty Not Eliminated* – A Phase I ESA cannot completely eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with any subject property.

- *Not Exhaustive* – A Phase I ESA is not an exhaustive investigation of the subject property and environmental conditions on such subject property.

- *Past Uses of the Subject property* – Phase I requirements only require review of standard historical sources at five year intervals. Therefore, past uses of subject property at less than five year intervals may not be discovered.

Users of this report may refer to ASTM Standard Practice E1527-13 for further information regarding these and other limitations. This report is not definitive and should not be assumed to be a complete and/or specific definition of all conditions above or below grade. Current subsurface conditions may differ from the conditions determined by surface observations, interviews and reviews of historical sources. The most reliable method of evaluating subsurface conditions is through intrusive techniques, which are beyond the scope of this report. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other subject property construction purposes. Any use of this report by any party, beyond the scope and intent of the original parties, shall be at the sole risk and expense of such user.

ATC makes no representation or warranty that the past or current operations at the subject property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated. Regardless of the findings stated in this report, ATC is not responsible for consequences or conditions arising from facts not fully disclosed to ATC during the assessment.

An independent data research company provided the government agency database referenced in this report. Information on surrounding area properties was requested for approximate minimum search distances and is assumed to be correct and complete unless obviously contradicted by ATC's observations or other credible referenced sources reviewed during the assessment. ATC shall not be liable for any such database firm's failure to make relevant files or documents properly available, to properly index files, or otherwise to fail to maintain or produce accurate or complete records.

ATC makes no warranty, guarantee or certification regarding the quality, accuracy or reliability of any prior report provided to ATC and discussed in this Phase I ESA report. ATC expressly disclaims any and all

liability for any errors or omissions contained in any prior reports provided to ATC and discussed in this Phase I ESA report.

ATC used reasonable efforts to identify evidence of aboveground and underground storage tanks and ancillary equipment on the subject property during the assessment. “Reasonable efforts” were limited to observation of accessible areas, review of referenced public records and interviews. These reasonable efforts may not identify subsurface equipment or evidence hidden from view by things including, but not limited to, snow cover, paving, construction activities, stored materials and landscaping.

Any estimates of costs or quantities in this report are approximations for commercial real estate transaction due diligence purposes and are based on the findings, opinions and conclusions of this assessment, which are limited by the scope of the assessment, schedule demands, cost constraints, accessibility limitations and other factors associated with performing the Phase I ESA. Subsequent determinations of costs or quantities may vary from the estimates in this report. The estimated costs or quantities in this report are not intended to be used for financial disclosure related to the Financial Accounting Standards Board (FASB) Statement No. 143, FASB Interpretation No. 47, Sarbanes/Oxley Act or any United States Securities and Exchange Commission reporting obligations, and may not be used for such purposes in any form without the express written permission of ATC.

ATC is not a professional title insurance or land surveyor firm and makes no guarantee, express or implied, that any land title records acquired or reviewed in this report, or any physical descriptions or depictions of the subject property in this report, represent a comprehensive definition or precise delineation of subject property ownership or boundaries.

The Environmental Professional Statement in **Section 1.1** of this report does not “certify” the findings contained in this report and is not a legal opinion of such *Environmental Professional*. The statement is intended to document ATC’s opinion that an individual meeting the qualifications of an Environmental Professional was involved in the performance of the assessment and that the activities performed by, or under the supervision of, the *Environmental Professional* were performed in conformance with the standards and practices set forth in 40 CFR Part 312 per the methodology in ASTM Standard Practice E1527-13 and the scope of work for this assessment.

Per ASTM Standard Practice E1527-13, **Section 6**, User Responsibilities, the User of this assessment has specific obligations for performing tasks during this assessment that will help identify the possibility of *recognized environmental conditions* in connection with the subject property. Failure by the User to fully comply with the requirements may impact their ability to use this report to help qualify for *Landowner Liability Protections* (LLPs) under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). ATC makes no representations or warranties regarding a User’s qualification for protection under any federal, state or local laws, rules or regulations.

In accordance with the ASTM Standard Practice E1527-13, this report is presumed to be valid for a six month period. If the report is older than six months, the following information must be updated in order for the report to be valid: (1) regulatory review, (2) site visit, (3) interviews, (4) specialized knowledge and (5) environmental liens search. Reports older than one year may not meet the ASTM Standard PracticE1527-13 and therefore, the entire report must be updated to reflect current conditions and subject property-specific information.

Other limitations and exceptions that are specific to the scope of this report may be found in corresponding sections.

2.5 Special Terms and Conditions (User Reliance)

This report is for the use and benefit of, and may be relied upon by Zamora Automotive, Comerica Bank, and any of its affiliates, and third parties authorized in writing by Zamora Automotive, Comerica Bank and ATC, including the lender(s) in connection with a secured financing of the subject property, and their respective successors and assigns. Any third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual site conditions may change with time, and that hidden conditions may exist at the subject property that were not discovered within the authorized scope of the assessment. Any use by or distribution of this report to third parties, without the express written consent of ATC, is at the sole risk and expense of such third party.

This Phase I ESA was conducted in accordance with ATC's and Comerica Bank's executed Environmental Consultant Agreement (ECA), dated February 15, 2017.

ATC makes no other representation to any third party except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any third party, either express or implied. Unless otherwise agreed upon in writing by ATC and a third party, ATC's liability to any third party authorized to use or rely on this report with respect to any acts or omissions shall be limited to a total maximum amount of $100,000.

3.0 USER PROVIDED INFORMATION

The following section summarizes information (if any) provided by Zamora Automotive (User) with regard to the Phase I ESA.

3.1 Title Records

The User provided no title records information.

3.2 Environmental Liens or Activity and Use Limitations (AULs)

The User did not identify environmental liens or AULs associated with the subject property. ATC requested a search for environmental liens and AULs from Environmental Data Resources, Inc. (EDR). The environmental liens and AUL search report revealed no evidence of environmental liens or AULs associated with the subject property. The current owner of the property was identified as Northern Trust Trustee, which acquired the property from Robert L. Cartier Trustee on July 15, 2009.

A copy of the Environmental Lien report is included in **Appendix E**. The review of the environmental lien and AUL search did not identify past uses indicating *recognized environmental conditions* at the subject property.

3.3 Specialized Knowledge

The User provided no specialized knowledge regarding *recognized environmental conditions* associated with the subject property.

3.4 Significant Valuation Reduction for Environmental Issues

The User provided no information regarding a significant valuation reduction for environmental issues associated with the subject property.

3.5 Owner, Subject Property Manager, and Occupant Information

The User indicated that the property consisted of a vacant lot with no access restrictions. The property representatives and owners were not identified.

3.6 Reason for Performing Phase I ESA

According to the User, the reason for conducting this ESA is to satisfy Comerica's due diligence requirements prior to completing a financial transaction associated with the subject property.

3.7 Other User Provided Documents

The User provided no other documents as described in the ASTM Standard Practice E1527-13.

4.0 SITE DESCRIPTION

4.1 Location and Legal Description

The subject property is located approximately 1,250 feet southeast of the intersection of Collier and Central Avenues in Lake Elsinore, Riverside County, California. According to the Riverside County Assessor's Office (RCAO), the subject property is identified as Assessor's Parcel Numbers (APNs) 377-080-053, 377-080-057, and 377-080-079 and encompasses a total of 6.97 acres. The subject property is currently vacant land, with the exception of a three-walled structure and two large billboard signs. A United States Geological Survey (USGS) Topographic Map that depicts the subject property's general location (Subject Property Vicinity Map) and a Subject Property Plan that illustrates the appearance of the subject property at the time of ATC's reconnaissance are located in **Appendix A**. Subject property photographs are included in **Appendix B**. Information obtained from the local municipality, including a legal description, is presented in **Appendix E**.

4.2 Surrounding Area General Characteristics

The surrounding area consists of commercial properties and vacant lands. Specific adjacent and abutting properties are summarized in **Section 4.6**.

4.3 Physical Setting Sources

4.3.1 Topography

The subject property is located in the central quadrant on the USGS 7.5-Minute Topographic Map, *Lake Elsinore, California Quadrangle,* dated 2012. Surface topography across the subject property and in the surrounding area is relatively flat with a general slope toward the southwest. The subject property is located at an approximate elevation of 1,278 feet above mean sea level.

4.3.2 Geology

The Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Baiwiec, 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), indicates that the bedrock in the vicinity of the subject property consists of soils of the Lower Mesozoic Series, of the Lower Jurassic and Upper Triassic Systems, of the Mesozoic Era. Depth to bedrock was not included on the map, nor did ATC discover a source indicating the depth to bedrock in the vicinity of the subject property.

4.3.3 Soils

The United States Department of Agriculture (USDA) Soil Conservation Service Soil Survey, classifies the surficial soils in the vicinity of the subject property as Garretson, characterized as gravelly very fine sandy loam with moderate infiltration rates. The soil is well drained and is not considered hydric.

4.3.4 Hydrology

According to the California Groundwater Hydrologic Region South Coast Bulletin 118 for the Elsinore Groundwater Basin, the approximate depth to groundwater in the vicinity of the subject property can vary significantly, ranging from 15 feet to 110 feet below ground surface (bgs) with the direction of groundwater flow to the west-southwest, towards Lake Elsinore. However, because faults cutting the sediment impede groundwater movement, groundwater flow is dominantly contained within fault blocks in the basin.

ATC reviewed a 2010 case closure report prepared for a former leaking underground storage tank (LUST) site on the Regional Water Quality Control Board (RWQCB) GeoTracker website, http://geotracker.waterboards.ca.gov. The depth to groundwater was measured between 33.25 to 37.27 feet bgs at this facility (29300 Central Avenue), which is located approximately 1,000 feet north of the

subject property. According to the same groundwater monitoring report, the direction of groundwater flow is toward the southwest.

Actual groundwater flow direction is often locally influenced by factors such as underground structures, seasonal fluctuations, soil and bedrock geology, production wells, and other factors beyond the scope of this study. The actual groundwater flow direction under the property can be accurately determined only by installing groundwater monitor wells, which was beyond the scope of this project.

4.3.5 Other Physical Setting Sources

Wetlands

According to information obtained from the United States Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI), no designated wetlands are depicted on the subject property. Based on visual observations during the site reconnaissance, no evidence of a natural wetlands area was observed on the subject property. A copy of the web-generated NWI map is included in **Appendix E**.

Floodplains

ATC reviewed the Federal Emergency Management Agency (FEMA) digital Flood Insurance Rate Map (FIRM) to determine if the subject property is located within a floodplain. According to the FEMA zone data, the property is located in within Zone X (dotted) and Zone AO. FEMA defines Flood Zone X (dotted) as "areas of 0.2% annual-chance flood, areas of 1% -annual-chance flood with average depths of less than one foot, or drainage areas than one square mile, or areas protected by levees from 1% annual chance flood" and Zone AO as areas within the 100-year flood (flood depths of one to three feet). The community/panel number for the FIRM for the subject property is 060652029G and the effective date is August 28, 2008. Refer to **Appendix E** for a copy of the FIRM.

4.4 Current Use of the Subject property

The subject property is located on the northern side of Collier Avenue in Lake Elsinore, California and is comprised of three parcels, totaling approximately 6.97 acres in size. The subject property is currently vacant land, with the exception of a three-walled structure and two large billboard signs. The walled structure consists of three sides constructed of concrete blocks. The purpose of the structure could not be confirmed; however, it may have been used as a loading ramp associated with a former railroad spur located nearby. A chain-link fence surrounds the northeastern, southeastern, and southwestern sides of the property. A fence constructed of stakes and orange plastic mesh enclosed the northwestern side of the property.

4.5 Description of Subject property Improvements

The following table provides general descriptions of the subject property improvements.

SUBJECT PROPERTY IMPROVEMENTS	
Size of Subject property (approximate)	6.97 acres
General Topography of Subject property	The subject property is relatively flat with a slight slope to the southwest.
Adjoining and/or Access/Egress Roads	The subject property is accessed from 3rd Street to the southeast and from Collier Avenue to the southwest. The Temecula Valley Freeway (Interstate 15) runs along the northeastern border of the property.
Paved or Concrete Areas (including parking)	None; the property is unpaved.
Unimproved Areas	A majority of the property is unimproved.
Landscaped Areas	Trees were observed on the northwestern corner of the property and brush and weeds covered the remainder of the property, which was overgrown in many areas.
Surface Water	None
Potable Water Source	Elsinore Valley Municipal Water District (EVMWD)
Sanitary Sewer Utility	EVMWD

SUBJECT PROPERTY IMPROVEMENTS	
Storm Sewer Utility	City of Lake Elsinore Street Maintenance Division and the Riverside County Flood Control District
Electrical Utility	Southern California Edison
Natural Gas Utility	Southern California Gas
Current Occupancy Status	The property is currently vacant land.
Unoccupied Buildings/Spaces/Structures	One three-walled concrete block structure
Number of Occupied Buildings	None
Building Name or General Building Description	Three-walled structure with four posts
Number of Floors	Not applicable
Total Square Feet of Space (approximate)	The structure is approximately 10'x30' and approximately eight feet high. Soil fills the structure and slopes toward the open side.
Construction Completion Date (year)	Based on aerial photographs, the structure was present as early as 1961.
Construction Type	Concrete blocks
Interior Finishes Description	Not applicable
Exterior Finishes Description	Painted concrete blocks
Cooling System Type	Not applicable
Heating System Type	Not applicable
Emergency Power	None

See **Section 7.0** for further discussion of the current site conditions.

4.6 Current Uses of Adjoining Properties

Current uses of the adjoining properties were observed to be as follows:

CURRENT USES OF ADJOINING PROPERTIES				
Direction from Subject property	**Address**	**Occupant(s) Name**	**Current Use**	**Potential Environmental Conditions**
Northeast	None	Temecula Valley Freeway (Interstate 15)	Freeway	None
Southeast	751 3rd Street	Elsinore Valley Municipal Water District	Commercial	None
South, beyond the intersection of Collier Avenue and 3rd Street	600 3rd Street	Riverside Recovery Resources	Commercial	None
Southwest, beyond Collier Avenue	18421 Collier Avenue	Riverside Discount Furniture	Commercial	None
	18451 Collier Avenue	Embroidery Screen Printing, Awthentik	Commercial	None
West-southwest, beyond the intersection of Collier Avenue and Crane Street	601 Crane Street	Multi-tenant building (no signage)	Commercial	Refer to Section 5.1.1
Northwest	None	Vacant land	Vacant Land	None

Based on the observations during the site reconnaissance, the current adjacent or adjoining property uses do not appear to represent a *recognized environmental condition* to the subject property.

5.0 REGULATORY RECORDS REVIEW

5.1 Standard Environmental Records

The regulatory agency database report discussed in this section, provided by EDR of Shelton, Connecticut, was reviewed for information regarding reported use or release of hazardous substances and petroleum products on or near the subject property. Unless otherwise noted, the information provided by the regulatory agency database report and other sources referenced in this report, were considered sufficient for *recognized environmental condition (REC)*, *controlled recognized environmental condition (CREC)*, *historical recognized environmental condition (HREC)* or *de minimis condition* determinations without conducting supplemental agency file reviews. ATC also reviewed the "unmappable" (also referred to as "orphan") listings within the database report, cross-referencing available address information and facility names. Unmappable sites are listings that could not be plotted with confidence, but are potentially in the general area of the subject property, based on the partial street address, city, or zip code. Any unmappable site that was identified by ATC as being within the approximate minimum search distance from the subject property, based on the site reconnaissance and/or cross-referencing to mapped listings, is included in the discussion within this section. The complete regulatory agency database report may be found in **Appendix D**.

SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE REVIEWED			
Regulatory Database	**Approx. Minimum Search Distance**	**Property Listed**	**# Other Sites Listed**
Federal National Priority (NPL)	1 mile	No	0
Federal Delisted NPL	½ mile	No	0
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list	½ mile	No	0
Federal CERCLIS No Further Remedial Action Planned (NFRAP)	½ mile	No	0
Federal Resource Conservation and Recovery Act (RCRA), Corrective Action facilities (CORRACTS)	1 mile	No	0
Federal RCRIS non- CORRACTS Treatment, Storage, and Disposal Facilities (TSD)	½ mile	No	0
Federal RCRA Generators	Subject property & Adjoining	No	1
Federal RCRA Non-Generator	Subject property & Adjoining	No	0
Federal Institutional Control/Engineering Control Registry	Subject property	No	N/A
Federal Emergency Response Notification System (ERNS) list	Subject property	No	N/A
Facility Index System/Facility Registry System (FINDS)	Subject property	No	N/A
Federal Brownfields	½ mile	No	0
State and Tribal NPL	1 mile	No	0
State Water Quality Assurance Revolving Fund (WQARF)	1 mile	No	0
State and Tribal CERCLIS / State Priority List (SPL)	1 mile	No	0
State Hazardous Waste Sites (SHWS)	1 mile	No	0
State and Tribal Landfill or Solid Waste Disposal Sites	½ mile	No	0
State and Tribal Leaking Underground Storage Tanks (LUST)	½ mile	No	6
State and Tribal Registered Underground Storage Tanks (UST, SWEEPS UST, HIST UST, CA FID UST)	Subject property & Adjoining	No	0
State and Tribal Registered Above Ground Storage Tanks (AST)	Subject property & Adjoining	No	0
State Activity and Use Limitation (AUL)	½ mile	No	0
State and Tribal Institutional Control/Engineering Control Registry	Subject property	No	N/A
Enforcement & Compliance History Information (ECHO)	Subject property	No	NA
State and Tribal Brownfield Sites	½ mile	No	0
State and Tribal Equivalent NPL (ENVIROSTOR)	1 mile	No	1
Facility Manifest Data (HAZNET)	Subject property & Adjoining	No	0
EDR US Historical Cleaners	Subject property & Adjoining	No	0
EDR US Historical Auto Station	Subject property & Adjoining	No	0

Note: *Some federal and state facilities listed in the EDR database report are located outside the designated search distance; therefore, these facilities are not discussed below.*

5.1.1 Federal Agency Database Findings

The subject property was not listed on any of the federal databases researched.

One offsite facility is listed on the federal databases, as follows. This facility is also listed on state databases, which will be discussed herein and not repeated within Section 5.1.2.

Wieland Precision Machine
601 Crane Street
Databases: RCRA-SQG, FINDS, ECHO
Approximate Distance from the Property: 200 feet west-southwest
Assumed Groundwater Gradient: Down to crossgradient
Regulatory Data Summary: Wieland Precision Machine was identified as a RCRA-small quantity generator of hazardous waste as of April 2000. The wastes generated include ignitable waste, benzene, tetrachloroethylene (PCE), and trichloroethylene (TCE). No violations were found. The facility's listing on the FINDS database is likely for its identification as a RCRA facility.
The Environmental Compliance History Online (ECHO) website tracks compliance issues for listed facilities for the last three years. No violations were reported during that interval.
Discussion: Based on this site's presumed hydrological position and the lack of reported violations or releases, it is not considered to represent an environmental concern to the property, and it is not considered likely to have exerted an environmental impact to the property.

5.1.2 State and Tribal Database Findings

The subject property was not listed on the state databases researched.

The following off-site facility was listed on the state databases researched:

Mobil #18-AAH
29300 Central Avenue
Database: LUST
Approximate Distance from the Property: 1,200 feet north-northeast
Assumed Groundwater Gradient: Upgradient
Regulatory Data Summary: According to a Case Closure Summary, dated September 15, 2010, reviewed on GeoTracker (http://geotracker.waterboards.ca.gov/), elevated concentrations of total petroleum hydrocarbons (TPH) and methyl tert-butyl ether (MTBE) were detected in soil samples collected during a fuel system upgrade. Additional assessments were conducted in 2002 to 2004 and included the installation of groundwater wells. Groundwater monitoring wells were sampled from 2002 until 2010. Remediation was conducted using a dual phase vacuum system. Verification borings were drilled to 40 feet in 2007 and sampled every five feet. Analytical results were non-detect for all constituents except for MTBE, which was detected at 2.3 and 2.7 parts per billion (ppb). Based on these results, the Santa Ana Regional Water Quality Control Board (SARWQCB) was concerned that there may be a tertiary butyl alcohol (TBA) groundwater plume that may have left the site. Therefore, the SARWQCB requested additional off-site assessment in the southwest direction. Four hydropunch borings were advanced off-site. One boring did not have sufficient groundwater recharge to allow sample collection. No TPH as gasoline or volatile organic compounds (VOCs) were detected in the remaining groundwater samples. On January 13, 2011, a closure letter was issued by the Riverside County Department of Environmental Health.
Discussion: Based on status and distance of this site from the subject property, the LUST listing is not considered to represent a *recognized environmental condition* to the subject property.

Based on distance, topography, assumed groundwater gradient or the absence of reported releases, none of the other sites listed in the state agency databases searched are considered to represent a likely past, present or material threat of release in, on, or at the subject property. Given the physical setting characteristics of the subject property and surrounding area, supplemental agency file reviews were not warranted to verify the database report information.

5.1.3 Local Environmental Records Sources

Riverside County Department of Environmental Health (RCDEH)

ATC requested records for the subject property from the RCDEH. The RCDEH is responsible for overseeing the six hazardous materials programs in the County, including hazardous materials/waste, USTs, and ASTs. A response from the RCDEH is currently pending. If significant information is found, ATC will issue an addendum to this report. However, based on the historically undeveloped nature of the property, records are not expected.

California Environmental Protection Agency (Cal-EPA), Department of Toxic Substances Control (DTSC)

ATC attempted to review hazardous materials records pertaining to the property on the Cal-EPA DTSC online database (http://www.envirostor.dtsc.ca.gov/public/). There were no records for the subject property on the DTSC database.

City of Lake Elsinore Department of Building and Safety

ATC requested records for the subject property from the City of Lake Elsinore. According to a search conducted by Yanin Sanchez, there are no records for the subject property that date back to the 1980s. ATC also submitted a written request for records prior to the 1980s. According to Ms. Luz Reyes, Office Specialist II, no building permits were found for the subject property.

City of Lake Elsinore, Zoning

ATC reviewed a zoning map, dated September 23, 2014, available on the City of Lake Elsinore website (http://www.lake-elsinore.org/), which indicates the subject property is zoned TC, Tourist Commercial.

Water Utility

The property does not appear to be connected to water services. However, the water provider for the area is the Elsinore Valley Municipal Water District (EVMWD). ATC reviewed the EVMWD's Water Quality Report for 2015, and the municipally supplied water meets or exceeds all drinking water standards, including those for lead. A copy of the water quality report is included in **Appendix E**.

Sewer Utility

The property does not appear to be connected to sewer services. However, the sewer provider for the area is the EVMWD.

Regional Water Quality Control Board (RWQCB)

ATC attempted to review soil and groundwater release records (if any) pertaining to the property on the GeoTracker online database (http://geotracker.waterboards.ca.gov/). No leaking UST (LUST) or Spills, Leaks, Investigations and Clean-Ups (SLIC) cases are located on the subject property.

South Coast Air Quality Management District (SCAQMD)

ATC reviewed the SCAQMD website (http://www3.aqmd.gov/webappl/fim/prog/search.aspx) for information regarding the property. There were no records for the subject property on the SCAQMD database.

Other Local Environmental Records Sources

No additional local environmental records sources were reviewed.

6.0 HISTORICAL RECORDS REVIEW

6.1 Historical Records Summary

ATC's historical research included the review of documentation from 1901 through 2014 for the subject property and adjacent properties. Unless otherwise noted below, ATC did not identify any significant data gaps and/or inconsistencies in the historical documents reviewed during the course of this investigation.

Subject Property

Based on the information reviewed (detailed within the sections below), the subject property has been primarily vacant since 1901. A three-walled block enclosure has been depicted on the property since at least 1961. Two large billboard signs have occupied the property since 1985. Interval gaps (greater than five years) were encountered during the research of historical use information for the subject property; however, the subject property remained relatively the same throughout the data gaps; therefore, no concerns were identified.

Adjacent Properties

Agricultural use was identified on adjoining areas; however, by at least 1967, the crops/fields were no longer present. The surrounding area appeared to be vacant from at least 1901 to at least 1938, when adjacent properties were also occupied by agricultural land. Highway 15, which adjoins the property to the northeast, was constructed between 1953 and 1961. Commercial development of the surrounding areas began in the early 1990s. The EVMWD building, which adjoins the property to the southeast, was built circa 2006 and the multi-tenant commercial buildings, which are located to the southwest, were constructed between 2005 and 2009.

6.2 Aerial Photographs

ATC reviewed available aerial photographs that were taken periodically of the subject property and surrounding areas ranging from 1938 to 2012, as obtained from EDR. Descriptions of and interpretations from the aerial photograph review are presented below.

AERIAL PHOTOGRAPH SUMMARY		
Year	**Scale**	**Comments**
1938	1"=500'	**Property:** The property appears as vacant land. A small graded area is located near the present-day block wall enclosure. A small dirt path is depicted leading to the graded area. **Surrounding area:** Vacant land is located to the northeast; a residence, trees, and vacant land are located to the southeast; a road (currently Collier Avenue) is located to the southwest, beyond which is agricultural land; and agricultural land is located to the northwest.
1949	1"=500'	**Property:** The property appears as mostly vacant land. A small graded area and a square structure are located near the present-day block wall enclosure. In addition, two rectangular structures are depicted near of the graded area to the southwest. **Surrounding area:** Vacant land and a possible residence are located to the northeast; a residence, trees, and vacant land are located to the southeast; a road (currently Collier Avenue) is located to the southwest, beyond which is agricultural land; and agricultural land is located to the northwest.
1953	1"=500'	**Property:** The property appears as mostly vacant land. A small graded area and two possible railroad cars are located near the present-day block wall enclosure. A small dirt path is depicted leading to the graded area and a possible railroad spur leads to the structures that resemble railroad cars. **Surrounding area:** Vacant and agricultural land and a possible residence are located to the northeast; a residence, trees, and vacant land are located to the southeast; a road (currently Collier Avenue) is located to the southwest, beyond which is agricultural land; and agricultural land is located to the northwest.
1961	1"=500'	**Property:** What resembles the present-day block wall enclosure is depicted near the southeastern corner of the property and two possible railroad cars are located adjacent to the enclosure. The railroad cars appear to be situated along a railroad spur which curves onto the property from what is currently Collier Avenue. Vegetation/brush covers the remainder of the property. **Surrounding area:** Vacant land and a highway (currently the 15 Freeway) are located to the northeast; vacant land and residences are located to the southeast; a paved road and a railroad right-of-way (currently Collier Avenue) are located to the southwest, beyond which is vacant/agricultural land; and vacant land, trees, and residences are located to the northwest.

AERIAL PHOTOGRAPH SUMMARY		
Year	**Scale**	**Comments**
1967	1"=500'	**Property:** What resembles the present-day block wall enclosure is depicted near the southeastern corner of the property and a graded area leads to the enclosure to the southeast. The possible railroad spur depicted in the 1961 aerial photograph is now graded. Vegetation/brush covers the remainder of the property. Possible livestock is located to the northwest of the enclosure. **Surrounding area:** Vacant land and a highway (currently the 15 Freeway) are located to the northeast; vacant land and residences are located to the southeast; a paved road and a railroad right-of-way (currently Collier Avenue) are located to the southwest, beyond which is vacant/agricultural land; and vacant land, trees, and residences are located to the northwest.
1978	1"=500'	**Property:** The wall enclosure is depicted as in the 1967 aerial photograph. In addition, a large billboard sign is shown near the northeastern corner of the property. Vegetation/brush covers the remainder of the property. **Surrounding area:** Vacant land and a highway (currently the 15 Freeway) are located to the northeast; vacant land and residences are located to the southeast; a paved road (currently Collier Avenue) is located to the southwest, beyond which is vacant/agricultural land; and vacant land, trees, and residences are located to the northwest.
1985	1"=500'	**Property:** The property is developed with the block wall enclosure near the southeastern corner and two large billboard signs along the northern boundary. Dirt roads and what resembles a large race track are depicted on the western half of the property. The remainder of the property appears to be covered with vegetation/brush. **Surrounding area:** Vacant land, a highway (currently the 15 Freeway), and an on-ramp are located to the northwest; a dirt road (currently 3rd Street) is located to the southeast, beyond which are vacant land, trees, and residences; a paved road (currently Collier Avenue) is located to the southwest, beyond which is vacant/agricultural land; and vacant land, trees, and residences are locate to the northwest.
1989 1990	1"=500'	**Property:** The property appears the same as currently developed, with the exception of the dense brush/vegetation. **Surrounding area:** The northeastern, southeastern, and northwestern adjacent areas appear the same as in the 1985 aerial photograph. The southwestern adjacent site is graded land. Beginning in the 1990 aerial photograph, commercial development is depicted further to the south-southeast and southwest.
1994	1"=500'	**Property:** The property appears the same as currently developed, with the exception of the dense brush/vegetation. In addition, the southeastern portion of the property is graded and includes small dirt roads. **Surrounding area:** The northeastern, southeastern, southwestern, and northwestern adjacent areas appear the same as in the 1985 aerial photograph. The present-day commercial buildings located to the south of the property are depicted.
2005	1"=500'	**Property:** The property appears graded with sparse vegetation. The block wall enclosure and billboard signs are depicted. A small structure is located north-northeast of the enclosure. **Surrounding area:** The areas to the northeast, southeast, southwest, and northwest appear similar to the 1994 aerial photograph. The present-day commercial buildings located to the south and west-southwest are depicted.
2009 2010 2012	1"=500'	**Property:** The property appears the same as currently developed. **Surrounding area:** The surrounding areas appear the same as currently developed.

The review of aerial photographs did not identify specific past uses indicating *recognized environmental conditions* at the subject property. Agricultural use was identified on adjoining areas; however, by at least 1967, the crops/fields were no longer present. Long-term agricultural activity can result in elevated nitrate or pesticide concentrations. Given the length of time since the presence of the agricultural land and location (not on the property itself), the former agricultural use is not considered to represent a *recognized environmental condition* to the subject property. Copies of the reproducible aerial photographs are included in **Appendix E**.

6.3 Fire Insurance Maps

EDR conducted a search for fire insurance maps for the subject property and surrounding area. According to a statement prepared by EDR, Sanborn map coverage of the subject property and surrounding area does not exist. A copy of the Certificate of "No Sanborn Map Coverage" is included in **Appendix E**.

6.4 Municipal / County Records

Assessor's Records

ATC reviewed reasonably ascertainable records from the Riverside County Assessor's Office for historical ownership information pertaining to the subject property. Available documentation, which is summarized below, is included in **Appendix E**.

The following pertinent information was identified in the assessor's records:

- The subject property is identified by APNs 377-080-053, 377-080-057, and 377-080-079.
- The northwestern parcel (377-080-057) occupies 0.71 acres; the central parcel (377-080-053) occupies 3.07 acres; and the southeastern parcel (377-080-059) occupies 3.19 acres.
- The subject property is described as vacant land.

The review of assessor's files did not identify past uses indicating *recognized environmental conditions* in, on, or at the subject property.

6.5 Recorded Land Title Records

The acquisition of recorded land title records was not required by the scope of work for the Phase I ESA.

6.6 Zoning/Land Use Records

ATC reviewed online records at the City of Lake Elsinore website regarding the zoning classification of the subject property. Based on the information reviewed, the subject property is currently zoned TC, Tourist Commercial. The current zoning designation appears to be appropriate for a portion of the subject property's current use. ATC also attempted to review historical zoning/land use records online for information regarding past uses of the subject property and surrounding area. No historical zoning information was available for the subject property.

6.7 Historical USGS Topographic Quadrangles

ATC reviewed available historical USGS *Elsinore and Lake Elsinore, California*, Topographic Quadrangle Maps for information regarding past uses of the subject property provided by EDR. The topographic maps consisted of the following years: 1901, 1953, 1973, 1978, 1982, 1988, 1997, and 2012.

Based on ATC's review of the topographic maps the property was vacant and undeveloped from at least 1901 to 2012. The 1901 topographic map depicts vacant land to the northeast; a paved road to the southeast, beyond which is vacant land; a paved road and a railroad right-of-way to the southwest, beyond which is vacant land; and vacant land to the northwest. The 1953 and 1973 topographic maps depict vacant land and a possible residence to the northeast; a paved road to the southeast, beyond which are vacant land with possible residences; Collier Avenue and Topeka and Santa Fe Railroad to the southwest, beyond which is vacant land; and vacant land to the northwest. The 1978, 1982, and 1988 topographic maps depict vacant land and the 15 Freeway to the northeast; a paved road to the southeast, beyond which is vacant land; and to the northwest a "woodland" area. The 1997 topographic map depicts vacant land and the 15 Freeway to the northeast; vacant land and possible residences to the southeast; Collier Avenue to the southwest, beyond which is vacant land; and vacant land and possible residences to the northwest. Commercial buildings are depicted further to the south, southeast, and southwest. No structures are depicted on the 2012 topographic map.

The review of historical USGS Topographic Maps did not identify past uses indicating *recognized environmental conditions* at the subject property or surrounding area. Historical USGS Topographic Maps are included in **Appendix E**.

6.8 City Directories

Research regarding the availability of historical city directories was conducted by EDR. EDR provided city directory documentation for the years 1975, 1980, 1985, 1990, 1992, 1995, 1999, 2003, 2008, and 2013. Historical occupancy of the subject property and adjoining properties is summarized below.

CITY DIRECTORY SUMMARY	
Year	**Comments**
1975	**Property:** No listings **Surrounding area:** 18500 Collier Avenue- Elsinore Nursery 18510 Collier Avenue- Lake Elsinore Swap Meet 18570 Collier Avenue- Resident
1980	**Property:** No listings **Surrounding area:** 18429 Collier Avenue- Resident 18500 Collier Avenue- Buds Truck & Tractor SV 18510 Collier Avenue- Resident
1985	**Property:** No listings **Surrounding area:** 18301 Collier Avenue- Aero Pro Mfg, Pac Envtml Control, Strech Plastics 18389 Collier Avenue- Occupant not identified 18500 Collier Avenue- Resident
1990	**Property:** No listings **Surrounding area:** 18301 Collier Avenue- Aero Pro Mfg, Fortune Signs, Pac Envtml Control, Tri Line Industries 18389 Collier Avenue- Occupant not identified 18500 Collier Avenue- Occupant not identified
1992	**Property:** No listings **Surrounding area:** 18301 Collier Avenue- Aero Pro Mfg, Johnson Alum Foundry, Pac Envtml Control, Schallert Enterprises 18570 Collier Avenue- Resident
1995	**Property:** No listings **Surrounding area:** 18301 Collier Avenue- Lakeland Marine, Mico, Schallert Enterprises 18570 Collier Avenue- Resident
1999	**Property:** No listings **Surrounding area:** 18285 Collier Avenue- Residents 18301 Collier Avenue- Aero Pro Manufacturing, Mico, Schallert Enterprises
2003	**Property:** No listings **Surrounding area:** 18281 Collier Avenue- A Drapes & Blinds, A Plus Draperies & Blinds, Advance Electronic Solutions, Lake Elsinore Test Only Smog Ctr, Medina Transmissions, Shalimar Auto Sales, Ultra Automotive 18301 Collier Avenue- Creative Canvas Concepts, Studio 415
2008	**Property:** No listings **Surrounding area:** 18301 Collier Avenue- Mico, Charles R Williams Enterprises Inc., Reliable Repair Remedies Inc., Sign Center 18302 Collier Avenue- Alex Dixon Tarbell Realtors 18451 Collier Avenue- Granite Shield, Tile Outlet, Versatile Stones Inc., GSC Floor To Ceiling; Bandini Golf
2013	**Property:** No listings **Surrounding area:** 18301 Collier Avenue- Mico 18421 Collier Avenue- United States Academy of Martial Art 18451 Collier Avenue- Armored Ink, Asset Capital Management Grp, Embroidery & More, Granite Shield, Loring Studios, Tile Outlet Always in Stock

The review of city directories did not identify additional past uses indicating *recognized environmental conditions* at the subject property. Automotive repair facilities were identified at 18281 Collier Avenue in 2003 and at 18500 Collier Avenue in 1980. According to the database report, these automotive repair facilities were not identified on lists indicating releases/violations. Based on the lack of reported violations, distance, and presumed cross-gradient location, the automotive repair facilities are not considered to present a *recognized environmental condition* to the property at this time. The city directory documentation is included in **Appendix E**.

6.9 Prior Reports

No prior reports were made available for review.

6.10 Other Historical Sources

No other historical sources were reviewed.

7.0 SITE RECONNAISSANCE

The subject property reconnaissance was conducted by Ms. Victoria Rojo, Staff Scientist with ATC, on April 10, 2017. ATC was unaccompanied during the site visit. Weather at the time of the site visit was clear and mild. The following is a summary of visual and/or physical observations of the subject property on the day of the site visit. Photographs can be found in **Appendix B**.

7.1 Methodology and Limiting Conditions

The site reconnaissance consisted of visual and/or physical observations of: the subject property; adjoining sites as viewed from the subject property; and, the surrounding area based on visual observations made during the trip to and from the subject property. Unimproved portions of the subject property (if any) were observed along the perimeter and in a general grid pattern in safely accessible areas. ATC did not encounter overall access restrictions at the subject property. However, a large portion (greater than half) of the property was covered in dense weeds/brush and thus, observations were limited to what was visible and could be accessed.

7.2 Checklist: Site Observations on Date of Reconnaissance

The presence and location of the following listed conditions or features observed at the site during the reconnaissance will be indicated below in the right-hand column. *De minimis* conditions, as defined by the ASTM standard, are not addressed. Those listed conditions or features not observed during the reconnaissance will be indicated with an "X" in the middle column.

RECONNAISSANCE OBSERVATIONS: Site Condition or Feature	(X) Not Observed	Observed (Location of Condition or Feature)
ASTs	X	
USTs (or visual evidence of USTs – i.e. vent pipes, etc.)	X	
Drums or other containers ≥ 5 gallons	X	
Oil/water separators	X	
Septic systems (tanks, cesspools or leach fields)	X	
Drains or sumps		Storm drain located off-site, adjacent to the southern tip of the property
Pits, ponds, or lagoons	X	
Grease traps	X	
Hydraulic lifts / hoists/compactors	X	
Air compressors	X	
Generators	X	
PCBs (transformers or capacitors)		Two pole-mounted transformers; one located at the eastern corner of property and one located off site, along Collier Avenue
Fluorescent lights		The billboards located along the northeastern property boundary are equipped with lighting; however, the type could not be confirmed
Elevators	X	
Incinerators	X	
Floor drains, interior	X	
Wells	X	
Pipeline indicators	X	
MSDS sheets	X	
Exterior pipe discharges		Two storm water outflow pipes: one along the north-central property boundary and one along the south-central property boundary
Waste treatment system	X	
Standing surface water or other pooled liquid	X	
Solid waste, trash, or other waste materials	X	
Construction debris or fill dirt		The enclosure is filled with dirt; however, the source of the dirt could not be confirmed
Stressed vegetation	X	

RECONNAISSANCE OBSERVATIONS: Site Condition or Feature	(X) Not Observed	Observed (Location of Condition or Feature)
Stained soil	X	
Stained pavement	X	
Strong, pungent or noxious odors	X	

A storm drain feature consisting of an outflow pipe and a concrete channel are located off site, adjacent to the southern tip of the property. The channel flows beneath Collier Avenue. Large rocks surround the opening of the channel. No evidence of staining /odors were noted. The storm drain feature is not considered to represent a *recognized environmental condition* to the subject property.

One pole-mounted transformer was observed at the eastern corner of the subject property and one pole-mounted transformer was observed off site, on the southern side of Collier Avenue. The transformers are owned and maintained by Southern California Edison. ATC did not observe labelling regarding the polychlorinated biphenyl (PCB) status of the transformers. No staining or visual evidence of leaks were observed on or around the transformers. The transformers do not represent a *recognized environmental condition* to the subject property.

The two billboards located along the northeastern property boundary are equipped with lighting; however, the type of lighting could not be confirmed. Fluorescent light ballasts manufactured prior to 1979 may contain small quantities of PCBs. An inspection of the light ballasts was beyond the scope of work for this assessment. Based on the age of the billboards (constructed between 1978 and 1985), the ballasts may contain PCBs. ATC recommends that if leaking ballasts are identified in the future and/or ballasts are removed during renovations, they should be inspected for labeling regarding their PCB-classification and disposed in accordance with applicable regulations. The fluorescent lights do not represent a *recognized environmental condition*.

Two storm water outflow pipes were noted on the property: one along north-central boundary and one along the south-central boundary. It should be noted that the northern storm water outflow pipe was only identified on Google's Street View Map as this area was not accessible during the site visit due to the presence of dense brush/vegetation. No evidence of staining /odors were noted. The storm water outflow pipes are not considered to represent a *recognized environmental condition* to the subject property.

The block wall enclosure, located near the southern tip of the property, is filled with dirt. Brush/vegetation covers the surface of the dirt, which slopes down toward the southeast. The source of the dirt could not be confirmed. No signs of staining or stressed vegetation were observed. Therefore, based on observed conditions, the dirt in the enclosure is not considered to represent an environmental concern.

Based on ATC's site inspection observations, the current conditions at the subject property do not appear to be of potential environmental concern at this time.

7.3 Utilities & Storm Water Management

A description of the utilities that are provided to the subject property is presented below, along with their respective providers.

UTILITY	PROVIDER	CONNECTION DATE
Natural Gas	Southern California Gas	Not Applicable
Electricity	Southern California Edison	Unknown
Domestic Water	Western Municipal Water District	Not Applicable
Sanitary Sewer	None	Not Applicable
Storm Sewer	None	Not Applicable

Storm water at the property is expected to percolate into the unimproved property lot or flow southeast, toward the storm drain feature near the southern corner of the property. ATC did not observe any evidence of stained soil or pavement within and around the subject property. In addition, the observed vegetation did not exhibit signs of biological stress. No strong odors or stressed vegetation was observed.

8.0 SUBSURFACE VAPOR MIGRATION

Hazardous gases (vapor) from subsurface sources, such as contaminated soil or groundwater can migrate into residential, commercial, and industrial buildings with any foundation type, including basements, crawlspaces, or slabs. According to the United States Environmental Protection Agency (EPA) guidance, three conditions must exist for hazardous vapors to reach the interior of buildings from the subsurface environment underneath or near a building. First, a source of hazardous vapors must be present in the soil or in groundwater underneath or near a building. Second, vapors must form and have a pathway along which to migrate toward the building. Third, entry routes must exist for the vapors to enter the building, and driving forces must exist to draw the vapors into the building.

ATC considered the nature and extent of on-site and nearby sources of potential subsurface vapor migration by evaluating the current and historical usage of the subject property, the construction type and history, the physical setting, and the potential sources of subsurface vapor migration through the review of regulatory agency database information that was summarized in **Section 5.0**. Based on the evaluation of the known or suspected releases of hazardous substances or petroleum products, distance from the subject property, potential pathways, and soil type, et al, no potential subsurface vapor migration sources were determined to represent a vapor encroachment condition to the subject property.

9.0 INTERVIEWS

ATC was unescorted during the site reconnaissance; as such, no site contact/key site manager interviews were conducted.

Not included in this listing are employees of city, county, or state government, who were contacted for the purpose of retrieving routine public information pertaining to the subject property, and who were not expected to possess first-hand knowledge regarding *recognized environmental conditions* at the subject property.

Pertinent information from the interviews is discussed in applicable sections of this repot with details (including failed attempts to interview) documented on Record of Communication forms / other correspondence in **Appendix E**.

Additional interviews including past owner's entities, historical operators, or historical occupants of the subject property were not conducted during this Phase I ESA. ATC was unable to identify persons associated with any of the previous property occupants.

10.0 BUSINESS ENVIRONMENTAL RISKS (BERS) / NON-CERCLA ITEMS

10.1 Asbestos-Containing Material (ACM)

Comerica Bank guidelines issued in 2014 require the performance of a limited visual inspection of buildings on the subject property for the purpose of identifying suspect ACMs, particularly those that are determined to be "suspect ACMs of concern". Further, the guidelines require samples to be collected from all identified suspect ACMs of concern, which are defined in the referenced guidelines as "(1) all friable[1] suspect ACMs and (2) any non-friable[2] suspect ACMs expected to be disturbed by renovation or demolition activities planned for the subject property".

ATC observed the following suspect ACMs on the property:

- Block walls and mortar

The suspect ACMs identified at the subject property were observed in fair condition. Portions of the wall appeared cracked.

None of the remaining building materials present on the subject property buildings were identified as suspect ACMs of concern per the minimum reporting requirements in Comerica Bank's November 2014 *Guidance Document for Phase I Environmental Site Assessments* (i.e., they are non-friable and/or are unlikely to be disturbed).

The on-site presence of the suspect ACMs should not present a significant health hazard to property occupants, as long as their respective conditions do not deteriorate substantially. Nevertheless, federal and state laws require all ACMs that are likely to be disturbed or impacted by renovation or demolition activities to be removed prior to initiating any renovation or demolition activities that are likely to impact the ACMs. Therefore, ATC recommends that bulk samples collected in accordance with the NESHAP (National Emission Standard for Hazardous Air Pollutants) requirements from the suspect ACMs listed above before disturbing these materials for purposes of renovation or demolition.

A suspect ACM that has not been identified in this report might be located within walls, ceiling cavities, and/or in other non-accessible areas of the subject property buildings. Precaution should be used in relation to any subsequently observed suspect ACM that may be present within walls, ceiling cavities, and/or other non-accessible areas of the subject property buildings until the appropriate sampling and analysis has established the sampled material's asbestos content.

10.2 Mold Screening

ATC conducted a screening survey for readily observable mold and conditions conducive to mold on the subject property. The screening consisted of physical observation. ATC did not observe evidence of microbial growth during the site reconnaissance. Based on the results of the physical observation, ATC found no evidence indicating potential mold impact at the subject property.

10.3 Lead-Based Paint (LBP)

A survey for the presence of LBP on painted surfaces was not included in the scope of this Phase I ESA. Based on the construction date of the walled structure (present since 1961), it is possible that LBP exists

[1] A friable ACM is defined in the National Emissions Standards for Hazardous Air Pollutants (NESHAPs) as all building materials that (a) contain greater than one percent (1%) asbestos, and (b) can be pulverized or reduced to dust using hand pressure only.
[2] Non-friable materials include those in Category I (packing gaskets, resilient floor coverings, and asphalt roofing materials) and Category II (all other materials).

at the property. At the time of the site reconnaissance, the painted components at the property appeared to exhibit visible signs of peeling and flaking.

10.4 Lead in Drinking Water

The property does not appear to be connected to water services. However, the water provider for the area is the EVMWD. ATC reviewed EVMWD's Water Quality Report for 2015, and the municipally supplied water meets or exceeds all drinking water standards, including those for lead. A copy of the water quality report is included in **Appendix E**.

10.5 Radon

Radon is a naturally occurring colorless, odorless gas that is a by-product of the decay of radioactive materials potentially present in bedrock and soil. The EPA guidance action level for annual residential exposure to radon is 4.0 PicoCuries per liter of air (pCi/L). The guidance action level is not a regulatory requirement for private owners of commercial real estate, but is commonly used for comparison purposes to suggest whether further action at a building may be prudent.

ATC's review of published radon data in the EDR Radius Map Report indicates that the subject property is located in EPA Zone 2, which is an area of moderate propensity for elevated levels of radon gas. According to the federal radon data for the subject property zip code, 92532, one site was tested with an average radon concentration of 0.117 pCi/L in first floor living areas. A radon survey was not completed as a supplement to this Phase I ESA. However, based on the available statistics, no further action is recommended at this time.

10.6 Environmental Non-Compliance with Activity and Use Limitations

Although this Phase I ESA should not be misconstrued as a formal compliance audit, ATC did not note any obvious issues of potential environmental (e.g., regulatory or material) non-compliance during the subject property inspection.

No other issues of environmental concern that pertain to CERCLA, ACMs, suspect mold growth/moisture intrusion, LBP, or environmental compliance were identified during the performance of this Phase I ESA; however, please refer to the remainder of this report for a detailed discussion of information obtained during the course of the assessment process. A subsurface investigation was not undertaken as part of this assessment, and no subsurface samples were collected.

11.0 REFERENCES

ASTM International, Standard Guide for Limited Asbestos Screens of Buildings, ASTM Designation E 2308-05, August 2005.

ASTM International, Standard Guide for Readily Observable Mold and Conditions Conducive to Mold in Commercial Buildings: Baseline Survey Process, ASTM Designation E 2418-06, March 2006.

ASTM International, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, ASTM Designation E 2600-10, June 2010.

ASTM International, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E1527-13, November 2013.

City of Lake Elsinore Zoning Map, dated September 23, 2014.

Comerica Bank's *Guidance Document for Phase I Environmental Site Assessments,* May 1, 2014.

EDR, The EDR Aerial Photo Decade Package, Inquiry Number 4900778.12, dated April 6, 2017.

EDR, Certified Sanborn® Map Report, Inquiry Number 4900778.3, dated December 2, 2016.

EDR, The EDR Radius Map Report with GeoCheck®, Inquiry Number 4900778.2s, dated April 6, 2017.

EDR, EDR Historical Topographic Map Report, Inquiry Number 4900778.4, dated April 6, 2017.

EDR, The EDR-City Directory Abstract, Inquiry Number 4900778.5, dated April 10, 2017.

EDR, The EDR-Building Permit Report, Inquiry Number 4795983.8, dated April 6, 2017.

EDR, The EDR-Environmental Lien and AUL Search, Inquiry Number 4900778.7, dated April 10, 2017.

Elsinore Valley Municipal Water District, Water Quality Report, dated 2015.

Riverside County Assessor's Office website, (http://pic.asrclkrec.com/KSearchDetails.aspx?Assessment=377110055).

United States Geological Survey (USGS), 7.5-Minute Series, Topographic Map, *Lake Elsinore, California*, 2012.

U.S. Fish & Wildlife Service, Wetlands Online Mapper, (http://wetlandsfws.er.usgs.gov/).

12.0 APPENDICES

Appendix A - Subject Property Vicinity Map & Subject Property Plan
Appendix B - Subject Property Photographs
Appendix C - User Provided Documentation
Appendix D - Regulatory Database Report
Appendix E - Historical Research & Other Supporting Documentation
Appendix F - Prior Reports
Appendix G - Laboratory Reports
Appendix H - Resumes
Appendix I - Terminology

APPENDIX A

SUBJECT PROPERTY VICINITY MAP & SUBJECT PROPERTY PLAN

LAKE ELSINORE, CALIFORNIA QUADRANGLE (PROVISIONAL EDITION 1997)

SCALE

0 .5 1

MILES

1:24,000

N

SITE VICINITY MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROSPECTIVE ZAMORA AUTOMOTIVE SITE

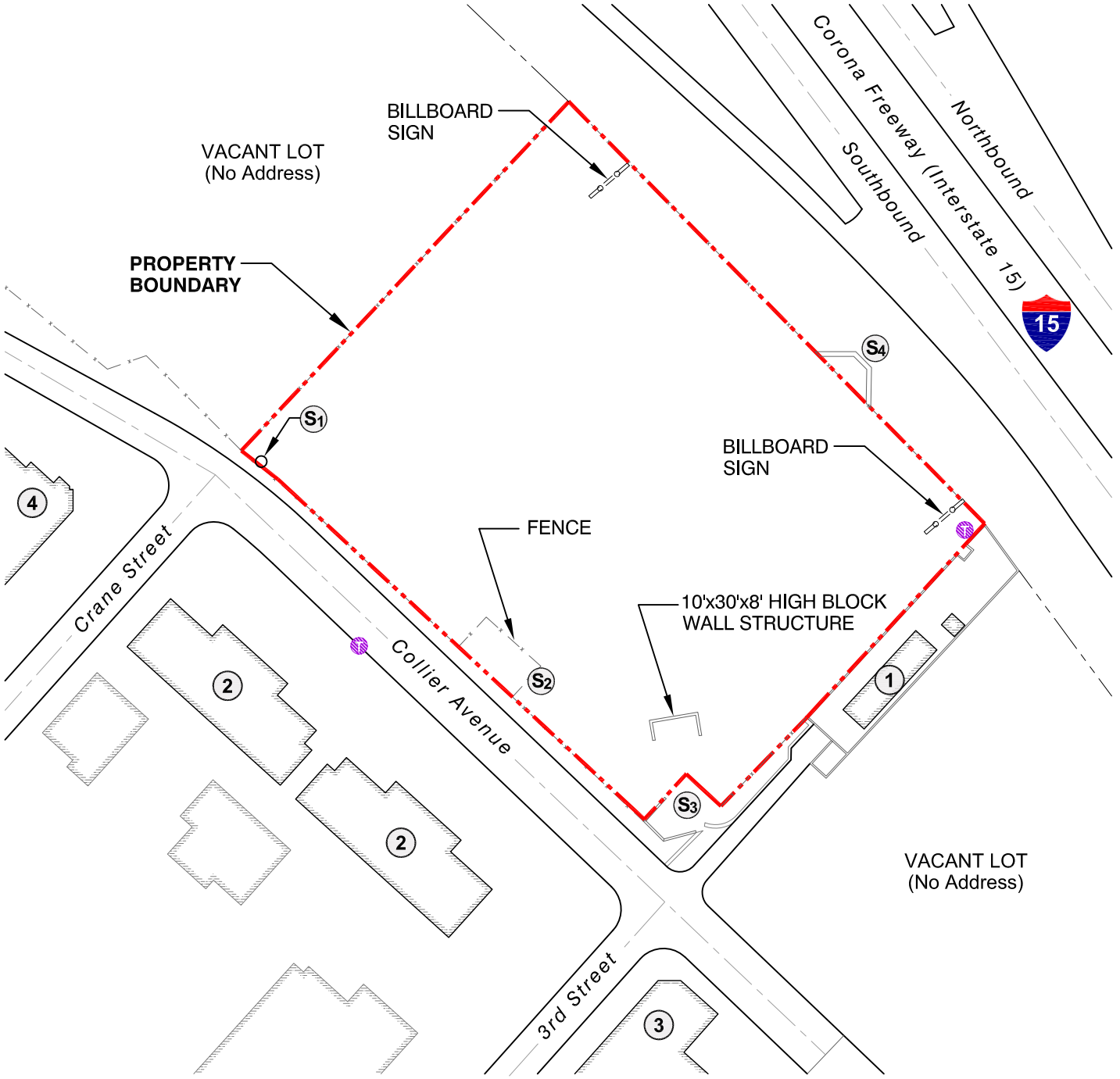
COLLIER AVENUE

LAKE ELSINORE, CALIFORNIA 92532

PROJECT NUMBER: 1011600914	PHASE: 1	APPENDIX
REVIEW BY: V. ROJO	DRAWN BY: DAW	A

ATC
25 Cupania Circle
Monterey Park, CA 91755
Ph: (323) 517-9780 *** Fax: (323) 517-9781

FILE: W:\Zamora Automotive\1011600914 - Collier Ave, Lake Elsinore ESA\Cad\1011600914_Lake Elsinore.dwg Apr 20, 2017



LEGEND:

1 = 751 3rd Street (Pump Station - Elsinore Valley Municipal Water District)

2 = 18451/18421 Collier Avenue (Embroidery Screen Printing, Awthentik Riverside Discount Furniture)

3 = 600 3rd Street (Riverside Recovery Resources)

4 = 601 Crane Street (Multi-Tenant Commercial, No Sign)

= Pole-Mounted Transformer

S1 = Sewer Manhole

S2 = Outflow Pipe

S3 = Storm Drain Feature

S4 = Storm Drain Feature (Based off Google Maps)

N

SITE PLAN

NOT TO SCALE

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROSPECTIVE ZAMORA AUTOMOTIVE SITE

COLLIER AVENUE

LAKE ELSINORE, CALIFORNIA 92532

PROJECT NUMBER: 1011600914	PHASE: 1	APPENDIX
REVIEW BY: V. ROJO	DRAWN BY: DAW	B

ATC
25 Cupania Circle
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Ph: (323) 517-9780 *** Fax: (323) 517-9781

FILE: W:\Zamora Automotive\1011600914 - Collier Ave, Lake Elsinore ESA\Cad\1011600914_Lake Elsinore.dwg Apr 20, 2017

APPENDIX B

SUBJECT PROPERTY PHOTOGRAPHS

Photo 1: View of the property, taken at the southern boundary looking northeast.

Photo 2. View of the central portion of the property, looking northwest.

Photo 3: View of the northeastern property boundary, looking northwest.

Photo 4: Billboard and pole-mounted transformer located at the eastern corner of the property.

Photo 5: View of the southern property boundary, taken from the southern corner looking northwest.

Photo 6: View of the three-walled enclosure, located at the southern corner of the property.

Photo 7: View of the open side of the walled enclosure, looking southwest.

Photo 8: View of the southern central portion of the property, looking northeast.

Photo 9: Western property boundary, looking northeast.

Photo 10: Western property boundary, looking northwest.

Photo 11: Storm water outflow pipe located along the southern property boundary.

Photo 12: Storm water drain/channel located adjacent to the southern corner of the property.

Photo 13: Elsinore Valley Municipal Water District building (751 3rd Street) located adjacent to the southeast of property.

Photo 14: Multi-tenant commercial buildings (18421 and 18451 Collier Avenue) located southwest of the property.

Photo 15: Riverside Recovery Resources building (600 3rd Street) located south of the property.

Photo 16: Vacant land located adjacent to the southeast of the property.

Photo 17: Vacant land located adjacent to the northwest of the property, looking northeast.

Photo 18: Multi-tenant commercial building (no tenant signage, 601 Crane Street) located west of the property.

APPENDIX C

USER PROVIDED DOCUMENTATION

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APPENDIX D

REGULATORY DATABASE REPORT

Zamora Automotive-Vacant Land
Collier Avenue
Lake Elsinore, CA 92532

Inquiry Number: 4900778.2s
April 06, 2017

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

COLLIER AVENUE
LAKE ELSINORE, CA 92532

COORDINATES

Latitude (North):	33.6889340 - 33° 41' 20.16''
Longitude (West):	117.3364950 - 117° 20' 11.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	468811.8
UTM Y (Meters):	3727523.8
Elevation:	1278 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5636473 LAKE ELSINORE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
COLLIER AVENUE
LAKE ELSINORE, CA 92532

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	WIELAND PRECISION MA	601 CRANE ST UNIT B	RCRA-SQG, FINDS, ECHO	Lower	230, 0.044, West
2	WALGREENS #9486	18296 COLLIER AVE	RCRA-CESQG	Higher	842, 0.159, NW
A3	FIRST PRIORITY PROPE	18630 COLLIER AVE	RCRA NonGen / NLR	Higher	1015, 0.192, SE
A4	APPLITEC MFG	18630 COLLIER AVE ST	RCRA-SQG, FINDS, ECHO	Higher	1015, 0.192, SE
B5	CHEVRON SS# 1447/200	18451 DEXTER AVE	UST	Higher	1048, 0.198, North
B6	CHEVRON #200238	18451 DEXTER	SWEEPS UST, CA FID UST	Higher	1048, 0.198, North
B7	CHEVRON #200238	18451 DEXTER AVE.	RCRA-LQG	Higher	1048, 0.198, North
8	HIGH SPEED IND INC	542 3RD ST	RCRA-SQG, FINDS, HAZNET, ECHO	Lower	1097, 0.208, SSW
B9	CIRCLE K STORES, INC	29300 CENTRAL	UST	Higher	1192, 0.226, NNE
B10	MOBIL #18-AAH	29300 CENTRAL AVENUE	LUST, CHMIRS	Higher	1192, 0.226, NNE
B11	MOBIL #18-AAH	29300 CENTRAL AVENUE	LUST	Higher	1192, 0.226, NNE
B12	EXXONMOBIL OIL CORP	29300 CENTRAL	RCRA-LQG, FINDS	Higher	1192, 0.226, NNE
B13	MOBIL #18-AAH	29300 CENTRAL AVE	SWEEPS UST, CA FID UST	Higher	1192, 0.226, NNE
B14	SAF OIL INC	29355 CENTRAL AVE	UST	Higher	1233, 0.234, North
B15	ARCO STATION #80925	29355 CENTRAL AVE.	LUST, CHMIRS	Higher	1233, 0.234, North
B16	ARCO #5618	29355 CENTRAL AVENUE	LUST	Higher	1233, 0.234, North
B17	ARCO FACILITY NO 056	29355 CENTRAL ST	RCRA-SQG, FINDS, ECHO	Higher	1233, 0.234, North
B18	ARCO AM/PM #5618	29355 CENTRAL AVE	LUST, SWEEPS UST, CA FID UST	Higher	1233, 0.234, North
19	ORANCO SWISS AUTOMAT	553 BIRCH ST	RCRA-SQG, FINDS, ECHO	Lower	1239, 0.235, SSW
C20	CVS PHARMACY #17274	18287 COLLIER AVE ST	RCRA-CESQG, ECHO	Lower	1296, 0.245, West
C21	TARGET STORE T2195	18287 COLLIER AVE	RCRA-SQG	Lower	1296, 0.245, West
22	RIGHTWAY	653 W MINTHORN	LUST, HIST UST, RCRA NonGen / NLR, FINDS, HIST...	Higher	2384, 0.452, SSE
23	ORTEGA HIGH SCHOOL/A	CHANEY STREET	ENVIROSTOR, SCH	Higher	4005, 0.759, SSW

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 institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ---------- State Response Sites

EXECUTIVE SUMMARY

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
SLIC ---------- Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
AST ---------- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing
VCP ---------- Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---------- Waste Management Unit Database
SWRCY ---------- Recycler Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---------- Historical Calsites Database
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST ---------- Hazardous Substance Storage Container Database

Local Land Records

LIENS ---------- Environmental Liens Listing

LIENS 2	CERCLA Lien Information
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

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
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data

ICE ICE
HWP EnviroStor Permitted Facilities Listing
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
FUELS PROGRAM EPA Fuels Program Registered Listing
ABANDONED MINES Abandoned Mines
ECHO Enforcement & Compliance History Information

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Auto EDR Exclusive Historic Gas Stations
EDR Hist Cleaner EDR Exclusive Historic Dry 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.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting

the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #200238	18451 DEXTER AVE.	N 1/8 - 1/4 (0.198 mi.)	B7	15
EXXONMOBIL OIL CORP	***29300 CENTRAL***	***NNE 1/8 - 1/4 (0.226 mi.)***	***B12***	***31***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 6 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APPLITEC MFG	***18630 COLLIER AVE ST***	***SE 1/8 - 1/4 (0.192 mi.)***	***A4***	***12***
ARCO FACILITY NO 056	***29355 CENTRAL ST***	***N 1/8 - 1/4 (0.234 mi.)***	***B17***	***38***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
WIELAND PRECISION MA	***601 CRANE ST UNIT B***	***W 0 - 1/8 (0.044 mi.)***	***1***	***8***
HIGH SPEED IND INC	***542 3RD ST***	***SSW 1/8 - 1/4 (0.208 mi.)***	***8***	***18***
ORANCO SWISS AUTOMAT	***553 BIRCH ST***	***SSW 1/8 - 1/4 (0.235 mi.)***	***19***	***47***
TARGET STORE T2195	18287 COLLIER AVE	W 1/8 - 1/4 (0.245 mi.)	C21	51

RCRA-CESQG: 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.

A review of the RCRA-CESQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WALGREENS #9486	18296 COLLIER AVE	NW 1/8 - 1/4 (0.159 mi.)	2	9
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
CVS PHARMACY #17274	***18287 COLLIER AVE ST***	***W 1/8 - 1/4 (0.245 mi.)***	***C20***	***48***

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 identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/31/2016 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORTEGA HIGH SCHOOL/A	***CHANEY STREET***	***SSW 1/2 - 1 (0.759 mi.)***	***23***	***62***
Facility Id: 33010008				
Status: No Further Action				

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 6 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOBIL #18-AAH	***29300 CENTRAL AVENUE***	***NNE 1/8 - 1/4 (0.226 mi.)***	***B10***	***21***
Database: LUST, Date of Government Version: 12/12/2016				
Database: RIVERSIDE CO. LUST, Date of Government Version: 01/19/2017				
Status: Completed - Case Closed				
Facility Id: 200118158				
Global Id: T0606510037				
Facility Status: 9				
MOBIL #18-AAH	29300 CENTRAL AVENUE	NNE 1/8 - 1/4 (0.226 mi.)	B11	30
Database: LUST REG 8, Date of Government Version: 02/14/2005				
Facility Status: Leak being confirmed				
Global ID: T0606510037				
ARCO STATION #80925	***29355 CENTRAL AVE.***	***N 1/8 - 1/4 (0.234 mi.)***	***B15***	***35***
Database: LUST REG 8, Date of Government Version: 02/14/2005				
Facility Status: Pollution Characterization				
Global ID: T0606568469				
ARCO #5618	29355 CENTRAL AVENUE	N 1/8 - 1/4 (0.234 mi.)	B16	37
Database: LUST REG 8, Date of Government Version: 02/14/2005				
Facility Status: Preliminary site assessment underway				
Global ID: T0606502695				
ARCO AM/PM #5618	***29355 CENTRAL AVE***	***N 1/8 - 1/4 (0.234 mi.)***	***B18***	***40***
Database: LUST, Date of Government Version: 12/12/2016				
Database: RIVERSIDE CO. LUST, Date of Government Version: 01/19/2017				

Status: Completed - Case Closed
Facility Id: 200319347
Global Id: T0606502695
Facility Status: 9

RIGHTWAY ***653 W MINTHORN*** ***SSE 1/4 - 1/2 (0.452 mi.)*** ***22*** ***58***
Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 12/12/2016
Status: Completed - Case Closed
Facility Status: Case Closed
Global Id: T0606500035
Global ID: T0606500035

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 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON SS# 1447/200	18451 DEXTER AVE	N 1/8 - 1/4 (0.198 mi.)	B5	14
Database: UST, Date of Government Version: 09/12/2016 Database: RIVERSIDE CO. UST, Date of Government Version: 10/20/2016 Facility Id: 192				
CIRCLE K STORES, INC	29300 CENTRAL	NNE 1/8 - 1/4 (0.226 mi.)	B9	21
Database: UST, Date of Government Version: 09/12/2016 Database: RIVERSIDE CO. UST, Date of Government Version: 10/20/2016 Facility Id: 507				
SAF OIL INC	29355 CENTRAL AVE	N 1/8 - 1/4 (0.234 mi.)	B14	34
Database: UST, Date of Government Version: 09/12/2016 Database: RIVERSIDE CO. UST, Date of Government Version: 10/20/2016 Facility Id: 84				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #200238	***18451 DEXTER***	***N 1/8 - 1/4 (0.198 mi.)***	***B6***	***14***

Status: A
Tank Status: A
Comp Number: 61776

MOBIL #18-AAH	***29300 CENTRAL AVE***	***NNE 1/8 - 1/4 (0.226 mi.)***	***B13***	***33***
Status: A Tank Status: A Comp Number: 39260				
ARCO AM/PM #5618	***29355 CENTRAL AVE***	***N 1/8 - 1/4 (0.234 mi.)***	***B18***	***40***
Status: A Tank Status: A Comp Number: 26595				

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 3 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #200238	***18451 DEXTER***	***N 1/8 - 1/4 (0.198 mi.)***	***B6***	***14***
Facility Id: 33007135 Status: A				
MOBIL #18-AAH	***29300 CENTRAL AVE***	***NNE 1/8 - 1/4 (0.226 mi.)***	***B13***	***33***
Facility Id: 33001705 Status: A				
ARCO AM/PM #5618	***29355 CENTRAL AVE***	***N 1/8 - 1/4 (0.234 mi.)***	***B18***	***40***
Facility Id: 33004624 Status: A				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIRST PRIORITY PROPE	18630 COLLIER AVE	SE 1/8 - 1/4 (0.192 mi.)	A3	11

EXECUTIVE SUMMARY

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 [CALSITES]. 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 is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RIGHTWAY	***653 W MINTHORN***	***SSE 1/4 - 1/2 (0.452 mi.)***	***22***	***58***
Reg Id: 083300324T				

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
SO CAL GAS/ELSINORE MGP	EDR MGP

OVERVIEW MAP - 4900778.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

N

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:	Zamora Automotive-Vacant Land	CLIENT:	ATC Group Services LLC
ADDRESS:	Collier Avenue Lake Elsinore CA 92532	CONTACT:	Victoria Rojo
LAT/LONG:	33.688934 / 117.336495	INQUIRY #:	4900778.2s
		DATE:	April 06, 2017 3:12 pm

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DETAIL MAP - 4900778.2S

0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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:	Zamora Automotive-Vacant Land	CLIENT:	ATC Group Services LLC
ADDRESS:	Collier Avenue Lake Elsinore CA 92532	CONTACT:	Victoria Rojo
LAT/LONG:	33.688934 / 117.336495	INQUIRY #:	4900778.2s
		DATE:	April 06, 2017 3:15 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	2	NR	NR	NR	2
RCRA-SQG	0.250		1	5	NR	NR	NR	6
RCRA-CESQG	0.250		0	2	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	1	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	5	1	NR	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	3	NR	NR	NR	3
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	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	3	NR	NR	NR	3
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	3	NR	NR	NR	3
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	1	NR	NR	NR	1
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
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
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
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
HWP	1.000		0	0	0	0	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
HWT	0.250		0	0	NR	NR	NR	0
MINES	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.500		0	0	0	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	1	24	2	1	0	28

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
West
< 1/8
0.044 mi.
230 ft.

WIELAND PRECISION MACHINE
601 CRANE ST UNIT B
LAKE ELSINORE, CA 92530

RCRA-SQG
FINDS
ECHO

1001967578
CAR000070722

Relative:
Lower

Actual:
1271 ft.

RCRA-SQG:

Date form received by agency:	04/17/2000
Facility name:	WIELAND PRECISION MACHINE
Facility address:	601 CRANE ST UNIT B LAKE ELSINORE, CA 92530
EPA ID:	CAR000070722
Mailing address:	601 B CRANE ST UNIT B LAKE ELSINORE, CA 92530
Contact:	KIMBALL MASSINGILL
Contact address:	601 B CRANE ST UNIT B LAKE ELSINORE, CA 92530
Contact country:	US
Contact telephone:	(909) 471-1393
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:	WIELAND PRECISION MACHINE
Owner/operator address:	601 B CRANE ST UNIT B LAKE ELSINORE, CA 92530
Owner/operator country:	Not reported
Owner/operator telephone:	(909) 471-1393
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D000
. Waste name:	Not Defined

WIELAND PRECISION MACHINE (Continued) **1001967578**

. 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

Historical Generators:
Date form received by agency: 04/17/2000
Site name: WIELAND PRECISION MACHINE
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002935441

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1001967578
Registry ID: 110002935441
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002935441

2
NW
1/8-1/4
0.159 mi.
842 ft.

Relative:
Higher

Actual:
1281 ft.

WALGREENS #9486 **RCRA-CESQG** **1016954303**
18296 COLLIER AVE **CAL000323439**
LAKE ELSINORE, CA 92530

RCRA-CESQG:
Date form received by agency: 03/01/2014
Facility name: WALGREENS #9486
Facility address: 18296 COLLIER AVE
LAKE ELSINORE, CA 92530
EPA ID: CAL000323439
Mailing address: GREY HAWK CT STE 200
CARLSBAD, CA 92010
Contact: KARINA E ROMERO
Contact address: GREY HAWK CT STE 200
CARLSBAD, CA 92010
Contact country: Not reported
Contact telephone: (760) 602-8887
Contact email: KROMERO@3ECOMPANY.COM

WALGREENS #9486 (Continued) **1016954303**

EPA Region: 09
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 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; 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 at any time: 1 kg or less of acutely hazardous waste; or 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

Owner/Operator Summary:

Owner/operator name: WALGREEN CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/21/2011
Owner/Op end date: Not reported

Owner/operator name: RSM PROPERTIES INC
Owner/operator address: AUTO CENTRE DR
GLENDORA, CA 91740
Owner/operator country: Not reported
Owner/operator telephone: (909) 394-3500
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/21/2011
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

WALGREENS #9486 (Continued) **1016954303**

. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U165
. Waste name: NAPHTHALENE

Violation Status: No violations found

A3 **FIRST PRIORITY PROPERTY PRESERVATION LLC** **RCRA NonGen / NLR** **1012176240**
SE **18630 COLLIER AVE** **CAR000201392**
1/8-1/4 **LAKE ELSINORE, CA 92530**
0.192 mi.
1015 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
1282 ft.

RCRA NonGen / NLR:
Date form received by agency: 07/08/2009
Facility name: FIRST PRIORITY PROPERTY PRESERVATION LLC
Facility address: 18630 COLLIER AVE
UNIT D
LAKE ELSINORE, CA 92530
EPA ID: CAR000201392
Mailing address: 25060 HANCOCK AVE
STE 103 120
MURRIETA, CA 92562
Contact: SHAWN M WILSON
Contact address: 25060 HANCOCK AVE STE 103 120
MURRIETA, CA 92562
Contact country: US
Contact telephone: 619-518-8552
Contact email: WEBMASTER@FIRSTPRIORITYPROPERTYPRESERVATION.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

FIRST PRIORITY PROPERTY PRESERVATION LLC (Continued) **1012176240**

Owner/Operator Summary:
- Owner/operator name: FIRST PRIORITY PROPERTY PRESERVATION
- Owner/operator address: Not reported
  Not reported
- Owner/operator country: Not reported
- Owner/operator telephone: Not reported
- Legal status: Private
- Owner/Operator Type: Operator
- Owner/Op start date: 03/01/2009
- Owner/Op end date: Not reported

- Owner/operator name: PUCCIO PROPERTIES
- Owner/operator address: PO BOX 15245
  SANTA ANNA, CA 92735
- Owner/operator country: US
- Owner/operator telephone: Not reported
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: 06/12/2006
- 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: Yes
- 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: Yes

Violation Status: No violations found

A4 **APPLITEC MFG** **RCRA-SQG** **1000905485**
SE **18630 COLLIER AVE STE I** **FINDS** **CA0000755066**
1/8-1/4 **LAKE ELSINORE, CA 92530** **ECHO**
0.192 mi.
1015 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

Actual:
1282 ft.

RCRA-SQG:
- Date form received by agency: 09/16/1994
- Facility name: APPLITEC MFG
- Facility address: 18630 COLLIER AVE STE I
  LAKE ELSINORE, CA 92530
- EPA ID: CA0000755066
- Mailing address: COLLIER AVE STE I
  LAKE ELSINORE, CA 92530
- Contact: FRANK HARTON
- Contact address: 18630 COLLIER AVE STE I
  LAKE ELSINORE, CA 92530
- Contact country: US

APPLITEC MFG (Continued) **1000905485**

Contact telephone: (909) 245-8800
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: FRANK HARTON
Owner/operator address: 18630 COLLIER AVE STE I
LAKE ELSINORE, CA 92530
Owner/operator country: Not reported
Owner/operator telephone: (909) 245-8800
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002619872

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000905485
Registry ID: 110002619872

APPLITEC MFG (Continued) **1000905485**

DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002619872

B5 **CHEVRON SS# 1447/200238** **UST** **U002244613**
North **18451 DEXTER AVE** **N/A**
1/8-1/4 **LAKE ELSINORE, CA 92532**
0.198 mi.
1048 ft. **Site 1 of 13 in cluster B**

Relative:
Higher

Actual:
1301 ft.

UST:
Facility ID: 192
Permitting Agency: RIVERSIDE COUNTY
Latitude: 33.6941354
Longitude: -117.3348696

RIVERSIDE CO. UST:
Region: RIVERSIDE
Total Tanks: 3

B6 **CHEVRON #200238** **SWEEPS UST** **S101590355**
North **18451 DEXTER** **CA FID UST** **N/A**
1/8-1/4 **LAKE ELSINORE, CA 92330**
0.198 mi.
1048 ft. **Site 2 of 13 in cluster B**

Relative:
Higher

Actual:
1301 ft.

SWEEPS UST:
Status: Active
Comp Number: 61776
Number: 1
Board Of Equalization: Not reported
Referral Date: 10-27-92
Action Date: 10-27-92
Created Date: 01-29-91
Owner Tank Id: 3
SWRCB Tank Id: 33-000-061776-000001
Tank Status: A
Capacity: 12000
Active Date: 10-27-92
Tank Use: M.V. FUEL
STG: P
Content: MID GRADE UN
Number Of Tanks: 3

Status: Active
Comp Number: 61776
Number: 1
Board Of Equalization: Not reported
Referral Date: 10-27-92
Action Date: 10-27-92
Created Date: 01-29-91
Owner Tank Id: 2
SWRCB Tank Id: 33-000-061776-000002
Tank Status: A
Capacity: 12000
Active Date: 10-27-92
Tank Use: M.V. FUEL
STG: P

CHEVRON #200238 (Continued) **S101590355**

Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 61776
Number: 1
Board Of Equalization: Not reported
Referral Date: 10-27-92
Action Date: 10-27-92
Created Date: 01-29-91
Owner Tank Id: 1
SWRCB Tank Id: 33-000-061776-000003
Tank Status: A
Capacity: 12000
Active Date: 10-27-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 33007135
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: P O BOX 2833
Mailing Address 2: Not reported
Mailing City,St,Zip: LAKE ELSINORE 92330
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

B7 **CHEVRON #200238** **RCRA-LQG** **1006805057**
North **18451 DEXTER AVE.** **CAR000120303**
1/8-1/4 **LAKE ELSINORE, CA 92532**
0.198 mi.
1048 ft. **Site 3 of 13 in cluster B**

Relative:
Higher

Actual:
1301 ft.

RCRA-LQG:
Date form received by agency: 06/25/2010
Facility name: CHEVRON #200238
Facility address: 18451 DEXTER AVE.
LAKE ELSINORE, CA 92532
EPA ID: CAR000120303
Mailing address: PO BOX 6004
SAN RAMON, CA 94583
Contact: BEVERLY STRIPLIN
Contact address: PO BOX 6004
SAN RAMON, CA 94583
Contact country: US

CHEVRON #200238 (Continued) **1006805057**

Contact telephone: (925) 842-2150
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: CHEVRON PRODUCTS CO.
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583
Owner/operator country: US
Owner/operator telephone: (925) 842-2150
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/14/1989
Owner/Op end date: Not reported

Owner/operator name: CHEVRON PRODUCTS CO
Owner/operator address: P O BOX 6004
SAN RAMON, CA 94583
Owner/operator country: Not reported
Owner/operator telephone: (925) 842-5931
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CHEVRON PRODUCTS CO.
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/14/1989
Owner/Op end date: Not reported

Owner/operator name: CHEVRON PRODUCTS CO.
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/14/1989
Owner/Op end date: Not reported

CHEVRON #200238 (Continued) **1006805057**

Owner/operator name: CHEVRON STATIONS INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/14/1989
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 134
. Waste name: 134

. Waste code: 223
. Waste name: 223

. Waste code: 343
. Waste name: 343

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Historical Generators:
Date form received by agency: 02/20/2004
Site name: CHEVRON 200238
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 02/20/2004
Site name: CHEVRON 200238
Classification: Small Quantity Generator

Date form received by agency: 05/16/2002
Site name: CHEVRON STATION NO 200238

CHEVRON #200238 (Continued) **1006805057**

Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

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8 SSW 1/8-1/4 0.208 mi. 1097 ft.

HIGH SPEED IND INC
542 3RD ST
LAKE ELSINORE, CA 92530

RCRA-SQG 1001967589
FINDS CAR000070839
HAZNET
ECHO

Relative: Lower

Actual: 1262 ft.

RCRA-SQG:
Date form received by agency: 04/17/2000
Facility name: HIGH SPEED IND INC
Facility address: 542 3RD ST
LAKE ELSINORE, CA 92530
EPA ID: CAR000070839
Contact: LES BRILEY JR
Contact address: 542 3RD ST
LAKE ELSINORE, CA 92530
Contact country: US
Contact telephone: (909) 674-6952
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: LES BRILEY JR
Owner/operator address: 542 3RD ST
LAKE ELSINORE, CA 92530
Owner/operator country: Not reported
Owner/operator telephone: (909) 674-6952
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

HIGH SPEED IND INC (Continued) **1001967589**

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

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110002935496

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
envid: 1001967589
Year: 2004
GEPAID: CAR000070839
Contact: ENVIRONMENTAL MGR
Telephone: --
Mailing Name: Not reported
Mailing Address: 542 3RD ST
Mailing City,St,Zip: LAKE ELSINORE, CA 925300000
Gen County: Not reported
TSD EPA ID: CAT000613927
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.57
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Riverside

envid: 1001967589
Year: 2004

HIGH SPEED IND INC (Continued) **1001967589**

GEPAID: CAR000070839
Contact: ENVIRONMENTAL MGR
Telephone: --
Mailing Name: Not reported
Mailing Address: 542 3RD ST
Mailing City,St,Zip: LAKE ELSINORE, CA 925300000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.02
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Riverside

envid: 1001967589
Year: 2003
GEPAID: CAR000070839
Contact: ENVIRONMENTAL MGR
Telephone: --
Mailing Name: Not reported
Mailing Address: 542 3RD ST
Mailing City,St,Zip: LAKE ELSINORE, CA 925300000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.02
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Riverside

envid: 1001967589
Year: 2003
GEPAID: CAR000070839
Contact: ENVIRONMENTAL MGR
Telephone: --
Mailing Name: Not reported
Mailing Address: 542 3RD ST
Mailing City,St,Zip: LAKE ELSINORE, CA 925300000
Gen County: Not reported
TSD EPA ID: CAT000613927
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.7
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Riverside

envid: 1001967589
Year: 2002
GEPAID: CAR000070839
Contact: ENVIRONMENTAL MGR
Telephone: --

HIGH SPEED IND INC (Continued) **1001967589**

Mailing Name: Not reported
Mailing Address: 542 3RD ST
Mailing City,St,Zip: LAKE ELSINORE, CA 925300000
Gen County: Not reported
TSD EPA ID: CAT000613927
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.61
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Riverside

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

ECHO:
Envid: 1001967589
Registry ID: 110002935496
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002935496

B9 **CIRCLE K STORES, INC #2709427** **UST** **U003790996**
NNE **29300 CENTRAL** **N/A**
1/8-1/4 **LAKE ELSINORE, CA 92532**
0.226 mi.
1192 ft. **Site 4 of 13 in cluster B**

Relative:
Higher

Actual:
1304 ft.

UST:
Facility ID: 507
Permitting Agency: RIVERSIDE COUNTY
Latitude: 33.6945368
Longitude: -117.334302

RIVERSIDE CO. UST:
Region: RIVERSIDE
Total Tanks: 4

B10 **MOBIL #18-AAH** **LUST** **S107449579**
NNE **29300 CENTRAL AVENUE** **CHMIRS** **N/A**
1/8-1/4 **LAKE ELSINORE, CA 92532**
0.226 mi.
1192 ft. **Site 5 of 13 in cluster B**

Relative:
Higher

Actual:
1304 ft.

LUST:
Region: STATE
Global Id: T0606510037
Latitude: 33.6933476678398
Longitude: -117.335773408413
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/13/2011
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: LS
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: Not reported

MOBIL #18-AAH (Continued) **S107449579**

LOC Case Number: 200118158
File Location: Local Agency Warehouse
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: ***Data prior to 2005 does not appear in GeoTracker. Consult agency file for all site data*** On November 29, 2001, 11 soil samples were taken beneath the dispensers and product lines for a fuel system upgrade. Up to 7.9 ppm TPH and 230 ppb MTBE was detected. The site was placed into LOP. On April 2, 2002, 4 borings were drilled to 40. Up to 740 ppb MTBE (35) was detected in the soil. In mid-December 2002, three groundwater wells were installed. The wells were screened from 25 to 55. Up to 1200 ppb MTBE (30) and 600 ppb TBA (40) were detected in the soil. On Nov. 17 and 18, 2003, four additional wells were installed. The wells were screened from 23-53, 18-48, and 20-50. Up to 16000 ppb MTBE (30 and 35) and 19000 ppb TBA (20) were detected in the soil. 3 additional wells were installed January 28 and 29, 2004. The wells were screened from 20-50 and 25-50. Up to 3500 ppb MTBE (25) and 1900 ppb TBA (40) were detected in the soil. One final well was installed September 2004. No oxygenates were detected in the oil except for one hit of DIPE at 0.022J at 35. Dual Phase Vacuum Extraction was operated on site using 6 wells from October 13, 2005 to June 12, 2006 running one month a quarter. The system operated 1981 hours and removed 31751 gallons of water 725 pounds of VOCs and 85 pounds of TPHg. TPHg vapor influent went from 96 ppmv to <10 ppmv. MTBE went from 37 to 0.68 ppmv. Four confirmation borings were drilled to 40 November 5, 2007 and sampled every 5. All constituents were ND except for MTBE which had two hits of 2.3J and 2.7J ppb. The groundwater was sampled from January 2, 2003 until November 14, 2007. TPHg decreased from 12500 ppb to <100 ppb. Benzene decreased from 29 ppb to <0.5 ppb and has not been detected above 1 ppb since November 2005. MTBE decreased from 12000 ppb to 1.4 ppb. TBA decreased from 135000 ppb to <10 ppb. 1/13/2011 Closure/no further action letter issued by RCDEH.

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0606510037
Contact Type: Local Agency Caseworker
Contact Name: LINDA SHURLOW
Organization Name: RIVERSIDE COUNTY LOP
Address: 47950 Arabia Street, Suite A
City: Indio
Email: lshurlow@rivcocha.org
Phone Number: 7608637570

Global Id: T0606510037
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rscott@waterboards.ca.gov
Phone Number: 9513206375

Status History:
Global Id: T0606510037

MOBIL #18-AAH (Continued) **S107449579**

Status: Open - Case Begin Date
Status Date: 11/25/2001

Global Id: T0606510037
Status: Open - Site Assessment
Status Date: 12/13/2001

Global Id: T0606510037
Status: Open - Site Assessment
Status Date: 02/15/2002

Global Id: T0606510037
Status: Open - Remediation
Status Date: 10/13/2005

Global Id: T0606510037
Status: Completed - Case Closed
Status Date: 01/13/2011

Regulatory Activities:
Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 07/25/2008
Action: File review

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 10/14/2008
Action: File review

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 08/13/2008
Action: File review

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 11/12/2008
Action: Staff Letter - #RCDEH111208

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 12/11/2008
Action: Staff Letter - #RCDEH121108

Global Id: T0606510037
Action Type: Other
Date: 12/13/2001
Action: Leak Discovery

Global Id: T0606510037
Action Type: Other
Date: 11/25/2001
Action: Leak Stopped

Global Id: T0606510037
Action Type: ENFORCEMENT

MOBIL #18-AAH (Continued) **S107449579**

Date: 10/19/2007
Action: File review

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 10/05/2009
Action: Staff Letter - #Riv Co 100509

Global Id: T0606510037
Action Type: Other
Date: 12/13/2001
Action: Leak Reported

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 04/15/2009
Action: File review

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 07/31/2009
Action: Staff Letter - #RCDEH073109

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 01/15/2009
Action: File review

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 11/10/2009
Action: File review

Global Id: T0606510037
Action Type: RESPONSE
Date: 07/15/2005
Action: CAP/RAP - Other Report

Global Id: T0606510037
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606510037
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606510037
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 04/26/2010
Action: Staff Letter - #RCDEH 042610

MOBIL #18-AAH (Continued) **S107449579**

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 10/06/2010
Action: Staff Letter - #RCDEH 100610

Global Id: T0606510037
Action Type: RESPONSE
Date: 03/10/2009
Action: Soil and Water Investigation Report

Global Id: T0606510037
Action Type: RESPONSE
Date: 12/12/2008
Action: Other Workplan

Global Id: T0606510037
Action Type: RESPONSE
Date: 01/15/2010
Action: Soil and Water Investigation Report

Global Id: T0606510037
Action Type: REMEDIATION
Date: 10/13/2005
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0606510037
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606510037
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0606510037
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Annually

Global Id: T0606510037
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0606510037
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 07/30/2007
Action: File review

Global Id: T0606510037
Action Type: ENFORCEMENT

MOBIL #18-AAH (Continued) **S107449579**

Date: 01/13/2011
Action: Closure/No Further Action Letter - #RCDEH closure

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 03/31/2005
Action: Staff Letter - #033105

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 04/01/2008
Action: File review

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 05/18/2007
Action: File review

Global Id: T0606510037
Action Type: RESPONSE
Date: 12/10/2010
Action: Well Destruction Report

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 01/16/2008
Action: File review

Global Id: T0606510037
Action Type: ENFORCEMENT
Date: 08/07/2008
Action: Staff Letter

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 200118158
Employee: Shurlow-LOP
Site Closed: Yes
Case Type: Drinking Water Aquifer affected
Facility Status: closed/action completed
Casetype Decode: An Aquifer used for Drinking Water supply has been contaminated.
Fstatus Decode: Closed/Action completed

CHMIRS:
OES Incident Number: 4-1685
OES notification: 03/28/2004
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported

MOBIL #18-AAH (Continued) **S107449579**

Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Fire Dept.
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2004
Agency:	Fuel Mgmt. Services (Veeder Root)
Incident Date:	3/28/200412:00:00 AM
Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Gasoline
Gallons:	18
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Customer's fuel tank leaked.
OES Incident Number:	5-5157

MOBIL #18-AAH (Continued) **S107449579**

OES notification:	09/04/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Site
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Veeder Root
Incident Date:	9/4/200512:00:00 AM
Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Quarts:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

MOBIL #18-AAH (Continued) **S107449579**

#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Released due to a leaking nozzle.
OES Incident Number:	08-8222
OES notification:	11/15/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Service Station
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Cup(s)
Other:	Not reported
Date/Time:	0815
Year:	2008
Agency:	Veeder Root
Incident Date:	11/15/2008
Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported

MOBIL #18-AAH (Continued) **S107449579**

Substance:	Regular Gasoline
Quantity Released:	.5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The auto shut-off at a pump failed, causing an overflow to the concrete.

B11 **MOBIL #18-AAH** **LUST** **S106109164**
NNE **29300 CENTRAL AVENUE** **N/A**
1/8-1/4 **LAKE ELSINORE, CA 92530**
0.226 mi.
1192 ft. **Site 6 of 13 in cluster B**

Relative:
Higher

Actual:
1304 ft.

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Leak being confirmed
Case Number:	Not reported
Local Case Num:	200118158
Case Type:	Aquifer affected
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	DEXTER
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	OM
How Stopped:	Other Means
Leak Cause:	Other Cause
Leak Source:	Other Source
Global ID:	T0606510037
How Stopped Date:	11/28/2001
Enter Date:	Not reported
Date Confirmation of Leak Began:	12/13/2001
Date Preliminary Assessment Began:	Not reported
Discover Date:	12/13/2001
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported

MOBIL #18-AAH (Continued) **S106109164**

Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	Not reported
Latitude:	0
Longitude:	0
MTBE Date:	2/20/2004
Max MTBE GW:	11000
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	RS
Staff Initials:	SCB
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	Not reported
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

B12 **EXXONMOBIL OIL CORP NO 10626** **RCRA-LQG 1007200115**
NNE **29300 CENTRAL** **FINDS CAL000055772**
1/8-1/4 **LAKE ELSINORE, CA 92530**
0.226 mi.
1192 ft. **Site 7 of 13 in cluster B**

Relative:
Higher

Actual:
1304 ft.

RCRA-LQG:

Date form received by agency:	03/07/2004
Facility name:	EXXONMOBIL OIL CORP NO 10626
Facility address:	29300 CENTRAL LAKE ELSINORE, CA 92530
EPA ID:	CAL000055772
Mailing address:	12265 W BAYAUD AVE LAKEWOOD, CO 80228
Contact:	JOHN HOOVER
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	(800) 253-8054
Contact email:	Not reported
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

EXXONMOBIL OIL CORP NO 10626 (Continued) **1007200115**

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:	EXXONMOBIL OIL CORP
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/26/1988
Owner/Op end date:	Not reported

Owner/operator name:	EXXONMOBIL OIL CORP
Owner/operator address:	3225 GALLOWS RD
	FAIRFAX, VA 22937
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/26/1988
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

Historical Generators:

Date form received by agency:	02/28/2002
Site name:	EXXONMOBIL OIL CORP.
Classification:	Large Quantity Generator

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

Violation Status: No violations found

FINDS:

EXXONMOBIL OIL CORP NO 10626 (Continued) **1007200115**

Registry ID: 110057116605

Environmental Interest/Information System
STATE MASTER

B13 **MOBIL #18-AAH** **SWEEPS UST** **S101589956**
NNE **29300 CENTRAL AVE** **CA FID UST** **N/A**
1/8-1/4 **LAKE ELSINORE, CA 92330**
0.226 mi.
1192 ft. **Site 8 of 13 in cluster B**

Relative:
Higher

Actual:
1304 ft.

SWEEPS UST:

Status:	Active
Comp Number:	39260
Number:	1
Board Of Equalization:	44-000400
Referral Date:	11-17-92
Action Date:	11-17-92
Created Date:	03-20-89
Owner Tank Id:	001622
SWRCB Tank Id:	33-000-039260-000001
Tank Status:	A
Capacity:	10000
Active Date:	11-17-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Active
Comp Number:	39260
Number:	1
Board Of Equalization:	44-000400
Referral Date:	11-17-92
Action Date:	11-17-92
Created Date:	03-20-89
Owner Tank Id:	001622
SWRCB Tank Id:	33-000-039260-000002
Tank Status:	A
Capacity:	10000
Active Date:	11-17-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	39260
Number:	1
Board Of Equalization:	44-000400
Referral Date:	11-17-92
Action Date:	11-17-92
Created Date:	03-20-89
Owner Tank Id:	001622
SWRCB Tank Id:	33-000-039260-000003
Tank Status:	A
Capacity:	10000

MOBIL #18-AAH (Continued) **S101589956**

Active Date: 11-17-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 39260
Number: 1
Board Of Equalization: 44-000400
Referral Date: 11-17-92
Action Date: 11-17-92
Created Date: 03-20-89
Owner Tank Id: 001622
SWRCB Tank Id: 33-000-039260-000004
Tank Status: A
Capacity: 10000
Active Date: 11-17-92
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 33001705
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7147575400
Mail To: Not reported
Mailing Address: 3225 GALLOWS RD
Mailing Address 2: Not reported
Mailing City,St,Zip: LAKE ELSINORE 92330
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

B14 **SAF OIL INC** **UST** **U003914471**
North **29355 CENTRAL AVE** **N/A**
1/8-1/4 **LAKE ELSINORE, CA 92532**
0.234 mi.
1233 ft. **Site 9 of 13 in cluster B**

Relative:
Higher

Actual:
1305 ft.

UST:
Facility ID: 84
Permitting Agency: RIVERSIDE COUNTY
Latitude: 33.6953538
Longitude: -117.3352763

RIVERSIDE CO. UST:
Region: RIVERSIDE
Total Tanks: 3

B15 **ARCO STATION #80925** **LUST** **S105790936**
North **29355 CENTRAL AVE.** **CHMIRS** **N/A**
1/8-1/4 **LAKE ELSINORE, CA 92530**
0.234 mi.
1233 ft. **Site 10 of 13 in cluster B**

Relative:
Higher

Actual:
1305 ft.

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Pollution Characterization
Case Number:	Not reported
Local Case Num:	200319347
Case Type:	Undefined
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	DEXTER AVE
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	OM
How Stopped:	RPP
Leak Cause:	UNK
Leak Source:	Other Source
Global ID:	T0606568469
How Stopped Date:	2/11/2003
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	2/6/2003
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	2/11/2003
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	0
Longitude:	0
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	KW
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	Not reported
Beneficial:	Not reported

ARCO STATION #80925 (Continued) **S105790936**

Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

CHMIRS:

OES Incident Number:	2-6584
OES notification:	12/04/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	ARCO
Incident Date:	11/26/200212:00:00 AM
Admin Agency:	Riverside County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Fiberglass Pipe
Gallons:	0.000000
Pounds:	150
Unknown:	0

ARCO STATION #80925 (Continued) **S105790936**

Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The fiberglass pipe was removed from a service station. Normally it is taken to a special landfill, however it went to a standard landfill in error, so the caller needs a Control Number for this.

B16 **ARCO #5618** **LUST** **S105960675**
North **29355 CENTRAL AVENUE** **N/A**
1/8-1/4 **LAKE ELSINORE, CA 92532**
0.234 mi.
1233 ft. **Site 11 of 13 in cluster B**

Relative:
Higher

Actual:
1305 ft.

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Preliminary site assessment underway
Case Number:	Not reported
Local Case Num:	200319691
Case Type:	Undefined
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	7TH
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	OM
How Stopped:	Other Means
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606502695
How Stopped Date:	1/9/2003
Enter Date:	Not reported
Date Confirmation of Leak Began:	1/9/2003
Date Preliminary Assessment Began:	1/9/2003
Discover Date:	12/6/2002
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported

ARCO #5618 (Continued) **S105960675**

Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	0
Longitude:	0
MTBE Date:	8/13/2004
Max MTBE GW:	56
MTBE Concentration:	0
Max MTBE Soil:	.009
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	VJJ
Staff Initials:	KW
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	Not reported
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

B17 **ARCO FACILITY NO 05618** **RCRA-SQG 1004677835**
North **29355 CENTRAL ST** **FINDS CAR000102053**
1/8-1/4 **LAKE ELSINORE, CA 92530** **ECHO**
0.234 mi.
1233 ft. **Site 12 of 13 in cluster B**

Relative:
Higher

Actual:
1305 ft.

RCRA-SQG:

Date form received by agency:	06/03/2002
Facility name:	ARCO FACILITY NO 05618
Facility address:	29355 CENTRAL ST LAKE ELSINORE, CA 92530
EPA ID:	CAR000102053
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

Owner/Operator Summary:

Owner/operator name:	B P WEST COAST PRODUCTS LLC

ARCO FACILITY NO 05618 (Continued) **1004677835**

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: 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: 110012189871

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.

ECHO:
Envid: 1004677835

ARCO FACILITY NO 05618 (Continued) **1004677835**

Registry ID: 110012189871
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110012189871

B18 **ARCO AM/PM #5618** **LUST** **S101631101**
North **29355 CENTRAL AVE** **SWEEPS UST** **N/A**
1/8-1/4 **LAKE ELSINORE, CA 92330** **CA FID UST**
0.234 mi.
1233 ft. **Site 13 of 13 in cluster B**

Relative:
Higher

Actual:
1305 ft.

LUST:

Region:	STATE
Global Id:	T0606502695
Latitude:	33.693522088
Longitude:	-117.336292323
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/16/2010
Lead Agency:	RIVERSIDE COUNTY LOP
Case Worker:	YR
Local Agency:	RIVERSIDE COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	200319347
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	On November 22, 2002, soil samples were taken during dispenser and piping upgrades. MTBE was detected in 10 of 19 samples up to 0.86 ppm. The site was placed into the LOP program for further assessment. In July 2003, three angle soil vapor extraction wells (B-1, B-2, and B-3) were installed to depths of approximately 45 feet below ground surface (bgs). TPHg and benzene were not detected in any of the soil samples analyzed. MTBE was detected in nine of the 27 soil samples with a high of 17 ppm MTBE detected at 40 ft bgs in boring B-1. Soil vapor extraction wells screened from 5 ft to 45 ft bgs were installed in the borings. Groundwater was not encountered; however, the Mobil station across the street has a water table at 41ft bgs. Bases on the results of this assessment the installation of groundwater monitoring wells were required. In September 2003, three groundwater monitoring wells (MW-4, MW-5, and MW-6) were installed. MW-4 was installed to approximately 65 ft bgs. MW-5 and MW-6 were installed to approximately 70 ft bgs. Groundwater was encountered between 42 ft and 53 ft bgs. MW-4 was screened from 35 ft to 65 ft bgs and MW- 5 and MW-6 were screened from 40 ft to 70 ft bgs. All soil samples were ND for TPHg. Benzene was detected in two soil samples at 0.0018 ppm (MW-6@65 ft) and 0.00072 ppm (MW-6@70 ft). MTBE was detected in three samples at 0.0090 ppm (MW-4@50 ft), 0.0021 ppm (MW-4@55ft), and 0.0023 ppm (MW-6@55 feet). In March 2007, the consultant requested closure as the leak has been stopped, the site was adequately characterized, the groundwater plume is stable, and the site presents no significant threat to the environment. In April 2007, closure was denied as the well screens were submerged and the 17 ppm MTBE was not addressed. The RCDEH required groundwater sampling from all the wells (monitoring and SVE), and based on those results, soils remediation may be needed. On July 3, 2007, six wells were sampled (three groundwater monitoring wells and three SVE wells). No TPHg, BTEX or oxygenates detected in any well. Groundwater elevations in monitoring well MW-5 were still above the screen interval. The water level ranged from 36.5 to 39.46 ft bgs, above the level where the 17 ppm

ARCO AM/PM #5618 (Continued) **S101631101**

MTBE was detected at 40 ft bgs in the soil. The consultant recommended the site be reviewed for closure. In December 2007, closure was considered but denied based on 17 ppm MTBE found at 40 ft bgs in well B-1. Assessment is required in the area downgradient from the southwest dispenser. No down gradient wells have been installed in this area. January/February 2008, Soil samples were collected during dispenser piping upgrade and pump island extension work. Station improvements include three USTs, four dispenser islands, and a convenience store. Samples were collected beneath four dispenser islands (DISP-1-3 through DISP-4-3) and six product lines (PL-1-3 through PL-6-3) using a hand auger. On February 6, 2008, composite soil samples were collected from the two stockpiles (SP-1 and SP-2) and one additional soil sample was collected from beneath product line (PL-7-3). All samples collected contain lead ranging from 3.7 ppm (DISP-1-3) to 8.6 ppm (SP-1). All samples were ND for TPHg, BTEX, MTBE, DIPE, ETBE, TAME, TBA or ethanol. In Feb 2008, soil vapor extraction well B-3 and ground water monitoring well MW-6 were destroyed due to construction activities on the east side of the dispensers. In April 2008, monitoring well MW-7 was installed downgradient of B-1. The purpose of the assessment was to further define the extent of dissolved hydrocarbons in groundwater downgradient from dispenser #1. The monitoring well was installed 15 ft north of purposed area due to underground utilities. The well was completed to 50 ft bgs and screened between 30 ft to 50 ft bgs. Groundwater was encountered at approximately 39- 40 ft bgs. Groundwater samples were ND for all constituents tested except 0.42J ppb toluene and 50J ppb naphthalene. Soil samples were collected every 5 feet. All soil samples were ND for all constituents tested (TPHg, BTEX, MTBE, DIPE, ETBE, TAME, TBA and Ethanol). In January 2009, the consultant recommended site closure based on non-detect results from groundwater samples. Groundwater elevations in monitoring well MW-5 were still above the screen interval. Groundwater was within the screened zone in B-1, B-2, MW-4, and MW-7. In May 2009, RCDEH and the SARWQCB reviewed the site for closure and were concerned about the 17 ppm MTBE detected in the submerged soil sample at 40 feet from boring B-1 near the dispenser. Additional sampling or vapor testing in this area was required to explain the concentration of MTBE detected in soil and not reflected in groundwater sampling results. In September 2009, RCDEH and the SARWQCB concurred with case closure based on information obtained from a site visit on September 15, 2009. Groundwater monitoring well MW-7 was observed to be 10 feet from the dispenser and not 20 feet as depicted on site maps submitted in reports. Additional sampling was not required and assessment was considered complete. Groundwater Monitoring Groundwater monitoring and sampling activities began in November 2003. Monitoring wells B-1 and B-2 were installed on July 3, 2007 and have been ND for all constituents tested since installation (nine quarters). Monitoring wells B-3 was also installed on July 3, 2007, and ND for all constituents tested for three quarters until it was destroyed on February 1, 2008 due to construction activities. Monitoring wells MW-4 and MW-5 were installed on November 5, 2003. Groundwater monitoring well MW-4 has been ND for all constituents tested except for MTBE which was detected at a maximum concentration of 75 ppb in August 2005. MW-4 has been ND for all constituents test, including MTBE, for the last nine quarters. MW-4 had a submerged screen between March 2005 and October 2006. Groundwater monitoring well MW-5 has had a submerged screen since December 2004 and has been

ARCO AM/PM #5618 (Continued) **S101631101**

ND for all constituents tested since installation. Groundwater monitoring well MW-6 was installed on November 5, 2003 and destroyed on February 1, 2008 due to construction activities. MW-6 was ND for all constituents tested except for a maximum concentration of MTBE at 56 ppb in August 2004 and 1.8J ppb methyl chloride. MW-6 had a submerged screen between May 2005 and January 2007. Groundwater monitoring well MW-7 was installed in April 2008, and has been ND for all constituents tested except 0.42J ppb Toluene. A final groundwater sampling event was conducted on July 1, 2009. All five wells were sampled and ND for all constituents tested except: bromodichloromethane at 0.46J ppb (MW-7) and 0.35J ppb (B-1); chloroform at 0.49 ppb (MW-7) and 0.48 ppb (B-1); and dibromochloromethane at 0.57J ppb (MW-7) and 0.49 ppb (B-1). Case closed 6/16/2010

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0606502695
Contact Type:	Regional Board Caseworker
Contact Name:	VALERIE JAHN-BULL
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	vjahn-bull@waterboards.ca.gov
Phone Number:	9517824903

Global Id:	T0606502695
Contact Type:	Local Agency Caseworker
Contact Name:	YVONNE REYES
Organization Name:	RIVERSIDE COUNTY LOP
Address:	3880 LEMON ST SUITE 200
City:	RIVERSIDE
Email:	ayreyes@rivcocha.org
Phone Number:	9519558982

Status History:

Global Id:	T0606502695
Status:	Open - Case Begin Date
Status Date:	11/22/2002

Global Id:	T0606502695
Status:	Open - Site Assessment
Status Date:	01/09/2003

Global Id:	T0606502695
Status:	Completed - Case Closed
Status Date:	06/16/2010

Regulatory Activities:

Global Id:	T0606502695
Action Type:	ENFORCEMENT
Date:	12/14/2007
Action:	Staff Letter - #121407

Global Id:	T0606502695
Action Type:	Other

ARCO AM/PM #5618 (Continued) **S101631101**

Date: 12/06/2002
Action: Leak Discovery

Global Id: T0606502695
Action Type: Other
Date: 11/22/2002
Action: Leak Stopped

Global Id: T0606502695
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606502695
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 12/02/2008
Action: Staff Letter - #RCDEH120208

Global Id: T0606502695
Action Type: RESPONSE
Date: 01/31/2008
Action: Other Workplan

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 06/02/2009
Action: Staff Letter - #RCDEH060209

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 09/14/2009
Action: Staff Letter - #RCDEH091409

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 10/01/2009
Action: Staff Letter - #RCDEH100109

Global Id: T0606502695
Action Type: Other
Date: 02/06/2003
Action: Leak Reported

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 08/13/2009
Action: Staff Letter - #RCDEH081309

Global Id: T0606502695
Action Type: RESPONSE
Date: 03/15/2008
Action: Other Workplan

ARCO AM/PM #5618 (Continued) **S101631101**

Global Id: T0606502695
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606502695
Action Type: RESPONSE
Date: 05/18/2007
Action: Other Report / Document

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 06/01/2010
Action: Closure/No Further Action Letter - #RCDEH Closure

Global Id: T0606502695
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606502695
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606502695
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606502695
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 04/02/2007
Action: Staff Letter - #040207

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 04/16/2007
Action: File review

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 06/18/2007
Action: File review

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 10/15/2007
Action: File review

Global Id: T0606502695
Action Type: RESPONSE

ARCO AM/PM #5618 (Continued) **S101631101**

Date: 01/16/2009
Action: Other Report / Document

Global Id: T0606502695
Action Type: RESPONSE
Date: 12/01/2009
Action: Other Report / Document

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 02/27/2008
Action: Technical Correspondence / Assistance / Other - #RCDEH 022708

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 01/14/2008
Action: File review

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 02/25/2008
Action: Staff Letter - #022508

Global Id: T0606502695
Action Type: ENFORCEMENT
Date: 02/21/2008
Action: Technical Correspondence / Assistance / Other - #022108

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 200319347
Employee: Reyes-LOP
Site Closed: Yes
Case Type: Drinking Water Aquifer affected
Facility Status: closed/action completed
Casetype Decode: An Aquifer used for Drinking Water supply has been contaminated.
Fstatus Decode: Closed/Action completed

SWEEPS UST:
Status: Active
Comp Number: 26595
Number: 1
Board Of Equalization: Not reported
Referral Date: 10-21-92
Action Date: 10-21-92
Created Date: 07-18-90
Owner Tank Id: Not reported
SWRCB Tank Id: 33-000-026595-000001
Tank Status: A
Capacity: 12000
Active Date: 10-21-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

ARCO AM/PM #5618 (Continued) **S101631101**

Status: Active
Comp Number: 26595
Number: 1
Board Of Equalization: Not reported
Referral Date: 10-21-92
Action Date: 10-21-92
Created Date: 07-18-90
Owner Tank Id: Not reported
SWRCB Tank Id: 33-000-026595-000002
Tank Status: A
Capacity: 12000
Active Date: 10-21-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 26595
Number: 1
Board Of Equalization: Not reported
Referral Date: 10-21-92
Action Date: 10-21-92
Created Date: 07-18-90
Owner Tank Id: Not reported
SWRCB Tank Id: 33-000-026595-000003
Tank Status: A
Capacity: 12000
Active Date: 10-21-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 33004624
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146747377
Mail To: Not reported
Mailing Address: 17315 STUDEBAKER RD
Mailing Address 2: Not reported
Mailing City,St,Zip: LAKE ELSINORE 92330
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

19
SSW
1/8-1/4
0.235 mi.
1239 ft.

ORANCO SWISS AUTOMATICS
553 BIRCH ST
LAKE ELSINORE, CA 92530

RCRA-SQG
FINDS
ECHO

1000905502
CA0000774232

Relative:
Lower

Actual:
1266 ft.

RCRA-SQG:

Date form received by agency:	09/15/1994
Facility name:	ORANCO SWISS AUTOMATICS
Facility address:	553 BIRCH ST LAKE ELSINORE, CA 92530
EPA ID:	CA0000774232
Mailing address:	BIRCH ST LAKE ELSINORE, CA 92530
Contact:	MARK CANADA
Contact address:	553 BIRCH ST LAKE ELSINORE, CA 92530
Contact country:	US
Contact telephone:	(909) 245-2898
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:	MARK CANADA
Owner/operator address:	553 BIRCH ST LAKE ELSINORE, CA 92530
Owner/operator country:	Not reported
Owner/operator telephone:	(909) 245-2898
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

ORANCO SWISS AUTOMATICS (Continued) **1000905502**

FINDS:

Registry ID: 110002620003

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000905502
Registry ID: 110002620003
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002620003

C20 **CVS PHARMACY #17274** **RCRA-CESQG 1018273907**
West **18287 COLLIER AVE STE B** **ECHO CAR000261164**
1/8-1/4 **LAKE ELSINORE, CA 92530**
0.245 mi.
1296 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
1262 ft.

RCRA-CESQG:
Date form received by agency: 03/29/2016
Facility name: CVS PHARMACY #17274
Facility address: 18287 COLLIER AVE STE B
LAKE ELSINORE, CA 92530
EPA ID: CAR000261164
Mailing address: ONE CVS DR
WOONSOCKET, RI 02895
Contact: NICOLE WILKINSON
Contact address: ONE CVS DR MAIL CODE 2340
WOONSOCKET, RI 02895
Contact country: US
Contact telephone: (401) 770-7132
Contact email: NICOLE.WILKINSON@CVSHEALTH.COM
EPA Region: 09
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 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; 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 at any time: 1 kg or less of acutely hazardous waste; or 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

Owner/Operator Summary:

CVS PHARMACY #17274 (Continued) **1018273907**

Owner/operator name: TARGET CORP
Owner/operator address: NICOLLET MALL
MINNEAPOLIS, MN 55403
Owner/operator country: US
Owner/operator telephone: (612) 304-6073
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/05/2008
Owner/Op end date: Not reported

Owner/operator name: GARFIELD BEACH CVS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/16/2015
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: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 134
. Waste name: 134

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 214
. Waste name: 214

. Waste code: 311
. Waste name: 311

CVS PHARMACY #17274 (Continued) **1018273907**

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 561
. Waste name: 561

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U188
. Waste name: PHENOL

CVS PHARMACY #17274 (Continued) **1018273907**

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

. Waste code: U205
. Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Violation Status: No violations found

ECHO:
Envid: 1018273907
Registry ID: 110067712354
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110067712354

C21 **TARGET STORE T2195** **RCRA-SQG** **1014465362**
West **18287 COLLIER AVE** **CAR000218263**
1/8-1/4 **LAKE ELSINORE, CA 92530**
0.245 mi.
1296 ft. **Site 2 of 2 in cluster C**

Relative:
Lower

Actual:
1262 ft.

RCRA-SQG:
Date form received by agency: 02/18/2016
Facility name: TARGET STORE T2195
Facility address: 18287 COLLIER AVE
LAKE ELSINORE, CA 92530
EPA ID: CAR000218263
Mailing address: PO BOX 111
MINNEAPOLIS, MN 55440
Contact: STEVE MUSSER
Contact address: PO BOX 111
MINNEAPOLIS, MN 55440
Contact country: US
Contact telephone: (800) 587-2228
Contact email: POC@TARGET.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: TARGET CORP
Owner/operator address: PO BOX 111
MINNEAPOLIS, MN 55440
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/04/2006
Owner/Op end date: Not reported

Owner/operator name: TARGET CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private

TARGET STORE T2195 (Continued) **1014465362**

Owner/Operator Type: Operator
Owner/Op start date: 10/06/2006
Owner/Op end date: Not reported

Owner/operator name: TARGET CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/04/2006
Owner/Op end date: Not reported

Owner/operator name: TARGET CORPORATION
Owner/operator address: PO BOX 111
MINNEAPOLIS, MN 55440
Owner/operator country: US
Owner/operator telephone: (800) 587-2228
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/04/2006
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: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007

TARGET STORE T2195 (Continued) **1014465362**

. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: P081
. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

TARGET STORE T2195 (Continued) **1014465362**

. Waste code: U058
. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

. Waste code: U072
. Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U150
. Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U200
. Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Historical Generators:
Date form received by agency: 03/01/2014
Site name: TARGET STORE T2195
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

TARGET STORE T2195 (Continued) **1014465362**

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: P081
. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

TARGET STORE T2195 (Continued) **1014465362**

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U058
. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

. Waste code: U072
. Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U150
. Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U200
. Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Date form received by agency: 04/11/2011
Site name: TARGET STORE NO 2195
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011

TARGET STORE T2195 (Continued) **1014465362**

. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P046
. Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL-

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Date form received by agency: 04/11/2011
Site name: TARGET STORE NO 2195
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P046
. Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL-

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Violation Status: No violations found

22
SSE
1/4-1/2
0.452 mi.
2384 ft.

Relative:
Higher

Actual:
1280 ft.

RIGHTWAY
653 W MINTHORN
LAKE ELSINORE, CA 92530

Database(s): LUST, HIST UST, RCRA NonGen / NLR, FINDS, HIST CORTESE, ECHO

EDR ID Number: 1000244325
EPA ID Number: CAD092259407

LUST:

Region:	STATE
Global Id:	T0606500035
Latitude:	33.683379
Longitude:	-117.33235
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/04/1989
Lead Agency:	RIVERSIDE COUNTY LOP
Case Worker:	UNK
Local Agency:	RIVERSIDE COUNTY LOP
RB Case Number:	083300324T
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0606500035
Contact Type:	Local Agency Caseworker
Contact Name:	UNK
Organization Name:	RIVERSIDE COUNTY LOP
Address:	3880 LEMON ST SUITE 200
City:	RIVERSIDE
Email:	Not reported
Phone Number:	Not reported

Status History:

Global Id:	T0606500035
Status:	Open - Case Begin Date
Status Date:	07/24/1986
Global Id:	T0606500035
Status:	Open - Site Assessment
Status Date:	03/01/1987
Global Id:	T0606500035
Status:	Completed - Case Closed
Status Date:	04/04/1989

Regulatory Activities:

Global Id:	T0606500035
Action Type:	Other
Date:	07/24/1986
Action:	Leak Reported
Global Id:	T0606500035
Action Type:	ENFORCEMENT
Date:	04/04/1989

RIGHTWAY (Continued) **1000244325**

Action: Closure/No Further Action Letter

Global Id: T0606500035
Action Type: Other
Date: 07/24/1986
Action: Leak Discovery

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083300324T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	CHANEY
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Test
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500035
How Stopped Date:	Not reported
Enter Date:	12/31/1986
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	7/24/1986
Enforcement Date:	Not reported
Close Date:	4/4/1989
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	3/1/1987
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	12/31/1986
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6797613
Longitude:	-117.3287658
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	PAH
Staff Initials:	UNK

RIGHTWAY (Continued) **1000244325**

Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UNNAMED BASIN
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

HIST UST:
File Number: 0001F8C7
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F8C7.pdf
Region: STATE
Facility ID: 00000032940
Facility Type: Other
Other Type: SERVICE
Contact Name: ROBERT M. HARDING
Telephone: 7146742708
Owner Name: RIGHTWAY CHEMICAL TOILETS
Owner Address: 653 W. MINTHORN
Owner City,St,Zip: LAKE ELSINORE, CA 92330
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: 1969
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: 1979
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: 1979
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

RCRA NonGen / NLR:
Date form received by agency: 01/26/1981
Facility name: RIGHTWAY
Facility address: 653 W MINTHORN

RIGHTWAY (Continued) **1000244325**

LAKE ELSINORE, CA 92530
EPA ID: CAD092259407
Contact: ENVIRONMENTAL MANAGER
Contact address: 653 W MINTHORN
LAKE ELSINORE, CA 92330
Contact country: US
Contact telephone: (714) 674-6565
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ROBERT M HARDING
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110006468107

Environmental Interest/Information System

RIGHTWAY (Continued) **1000244325**

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.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083300324T

ECHO:

Envid:	1000244325
Registry ID:	110006468107
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110006468107

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23 SSW 1/2-1 0.759 mi. 4005 ft.

ORTEGA HIGH SCHOOL/ALTERNATIVE EDUCATION **ENVIROSTOR SCH** **S107736971 N/A**
CHANEY STREET
LAKE ELSINORE, CA 92530

Relative: Higher

Actual: 1315 ft.

ENVIROSTOR:

Facility ID:	33010008
Status:	No Further Action
Status Date:	06/09/2000
Site Code:	400811
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	10.14
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Mark Malinowski
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	67
Senate:	28
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.67795
Longitude:	-117.3420
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Total Chromium (1:6 ratio Cr VI:Cr III DDT Barium and compounds Lead Vanadium and compounds
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	LAKE ELSINORE UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	LAKE ELSINORE USD-ORTEGA HS
Alias Type:	Alternate Name

ORTEGA HIGH SCHOOL/ALTERNATIVE EDUCATION (Continued) **S107736971**

Alias Name: LAKE ELSINORE USD-ORTEGA HS/VCA
Alias Type: Alternate Name
Alias Name: ORTEGA HIGH SCHOOL
Alias Type: Alternate Name
Alias Name: 400787
Alias Type: Project Code (Site Code)
Alias Name: 400811
Alias Type: Project Code (Site Code)
Alias Name: 33010008
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/25/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/09/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/21/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/14/2000
Comments: Phase I used for background information.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 03/03/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/22/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/28/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/17/1999

ORTEGA HIGH SCHOOL/ALTERNATIVE EDUCATION (Continued) **S107736971**

Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Facility ID:	33010008
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	10.14
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Mark Malinowski
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	400811
Assembly:	67
Senate:	28
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	06/09/2000
Restricted Use:	NO
Funding:	School District
Latitude:	33.67795
Longitude:	-117.3420
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Total Chromium (1:6 ratio Cr VI:Cr III, Total Chromium (1:6 ratio Cr VI:Cr III, DDT, Barium and compounds, Lead, Vanadium and compounds
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	LAKE ELSINORE UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	LAKE ELSINORE USD-ORTEGA HS
Alias Type:	Alternate Name
Alias Name:	LAKE ELSINORE USD-ORTEGA HS/VCA
Alias Type:	Alternate Name
Alias Name:	ORTEGA HIGH SCHOOL
Alias Type:	Alternate Name
Alias Name:	400787
Alias Type:	Project Code (Site Code)
Alias Name:	400811
Alias Type:	Project Code (Site Code)
Alias Name:	33010008
Alias Type:	Envirostor ID Number

ORTEGA HIGH SCHOOL/ALTERNATIVE EDUCATION (Continued) **S107736971**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	01/25/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/09/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	10/21/1999
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	02/14/2000
Comments:	Phase I used for background information.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Workplan
Completed Date:	03/03/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	04/22/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/28/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	11/17/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

ORTEGA HIGH SCHOOL/ALTERNATIVE EDUCATION (Continued) **S107736971**

Schedule Revised Date: Not reported

Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ELSINORE	1010558061	SO CAL GAS/ELSINORE MGP	CNR OF RILEY,FLINT,SPRING, POT	92530	EDR MGP

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: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

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: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 09/14/2016
Date Data Arrived at EDR: 10/04/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/05/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/10/2016
Date Data Arrived at EDR: 10/20/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 78

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/10/2016
Date Data Arrived at EDR: 10/20/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 78

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/15/2016
Date Data Arrived at EDR: 11/29/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/15/2016
Date Data Arrived at EDR: 11/29/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 66

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

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: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

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 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 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 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 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 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 R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015
Date Data Arrived at EDR: 02/19/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 105

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
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: 10/09/2015
Date Data Arrived at EDR: 02/12/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 112
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
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: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

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: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/24/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

SLIC: Statewide SLIC Cases

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: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/16/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

INDIAN UST 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: 12/03/2015
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 120

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

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: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/24/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

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: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
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: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
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: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

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: 01/26/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 119

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

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: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 01/03/2017
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/19/2016
Date Data Arrived at EDR: 12/20/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 08/25/2016
Date Data Arrived at EDR: 08/26/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 49

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 08/31/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/01/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/27/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/24/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 45

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 37

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 83

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/25/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

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: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 37

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

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: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 10/11/2016
Date Data Arrived at EDR: 11/16/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/10/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/10/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/17/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/17/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/29/2016
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 35
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/06/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/01/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/05/2016
Date Data Arrived at EDR: 09/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/03/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/03/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

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: 07/15/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 65

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 01/20/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 64

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/27/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 09/23/2016
Date Made Active in Reports: 10/24/2016
Number of Days to Update: 31

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 40

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/11/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 107

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 87

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/03/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2047
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: 02/17/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

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: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/11/2016
Date Data Arrived at EDR: 12/20/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

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: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/14/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 35

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/06/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/10/2016
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 90

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 11/10/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 9

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 10/21/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 23

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/26/2017
Number of Days to Update: 65

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 11/01/2016
Date Data Arrived at EDR: 11/03/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 19

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/22/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 55

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 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: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/10/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 51

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 63

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/14/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 6

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/18/2017
Date Data Arrived at EDR: 01/20/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 41

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 66

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 10/18/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 58

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/18/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 34
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/04/2016
Date Data Arrived at EDR: 10/11/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 93
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 41
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 10/19/2016
Date Data Arrived at EDR: 10/25/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 79
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 42

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 17

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 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: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 44

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/03/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/03/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 65

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/07/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
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: 01/19/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/20/2016
Date Data Arrived at EDR: 10/25/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 77
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/08/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/09/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 80
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/05/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/10/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 52
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/21/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/14/2017
Number of Days to Update: 49
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 15
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 76
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/10/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 75
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59
Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 12/13/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 76
Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 19
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/22/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 65

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/25/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 34

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 82

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 89
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 29
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/15/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 55
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/28/2016
Date Data Arrived at EDR: 11/03/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 42
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 01/03/2017
Number of Days to Update: 96

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/01/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/12/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ZAMORA AUTOMOTIVE-VACANT LAND
COLLIER AVENUE
LAKE ELSINORE, CA 92532

TARGET PROPERTY COORDINATES

Latitude (North):	33.688934 - 33° 41' 20.16''
Longitude (West):	117.336495 - 117° 20' 11.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	468811.8
UTM Y (Meters):	3727523.8
Elevation:	1278 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5636473 LAKE ELSINORE, 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).

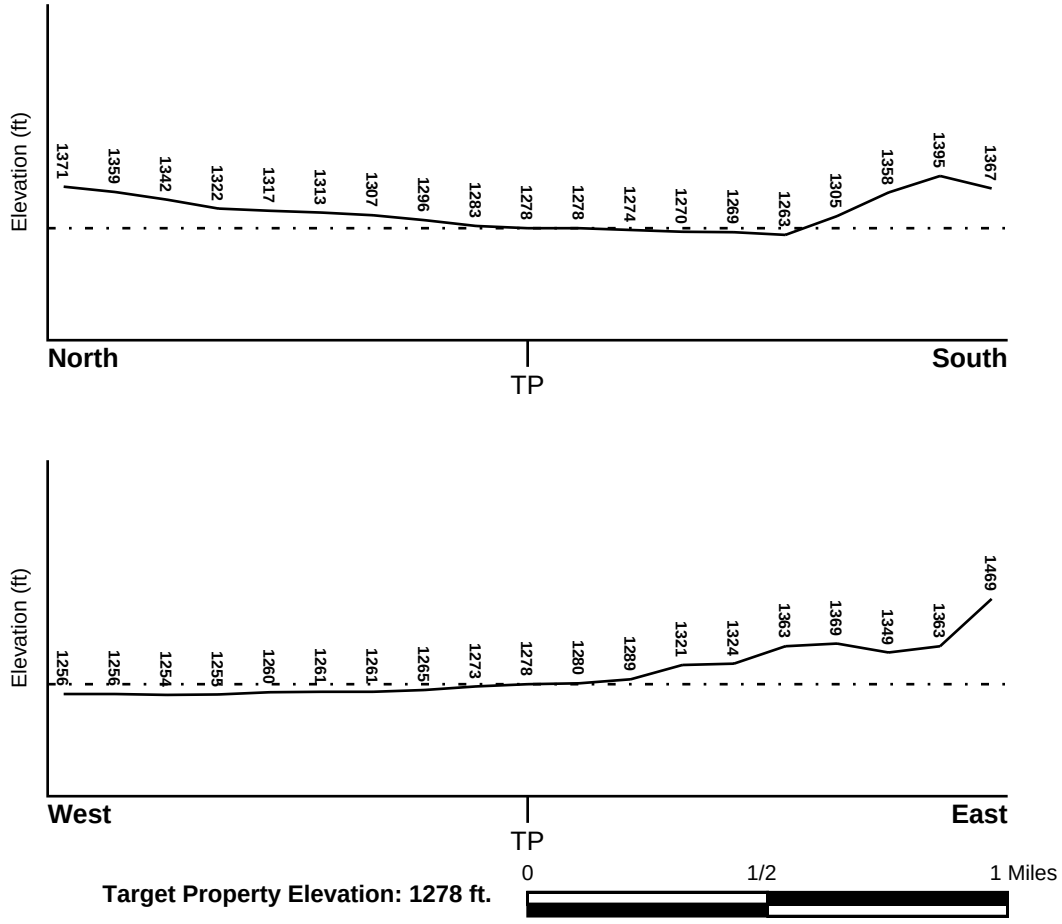
TOPOGRAPHIC INFORMATION

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 SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 1278 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06065C2029G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06065C2028G	FEMA FIRM Flood data
06065C2036G	FEMA FIRM Flood data
06065C2037G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
A1	1/2 - 1 Mile SE	Not Reported
A2	1/2 - 1 Mile SSE	WSW

For additional site information, refer to Physical Setting Source Map Findings.

* ©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

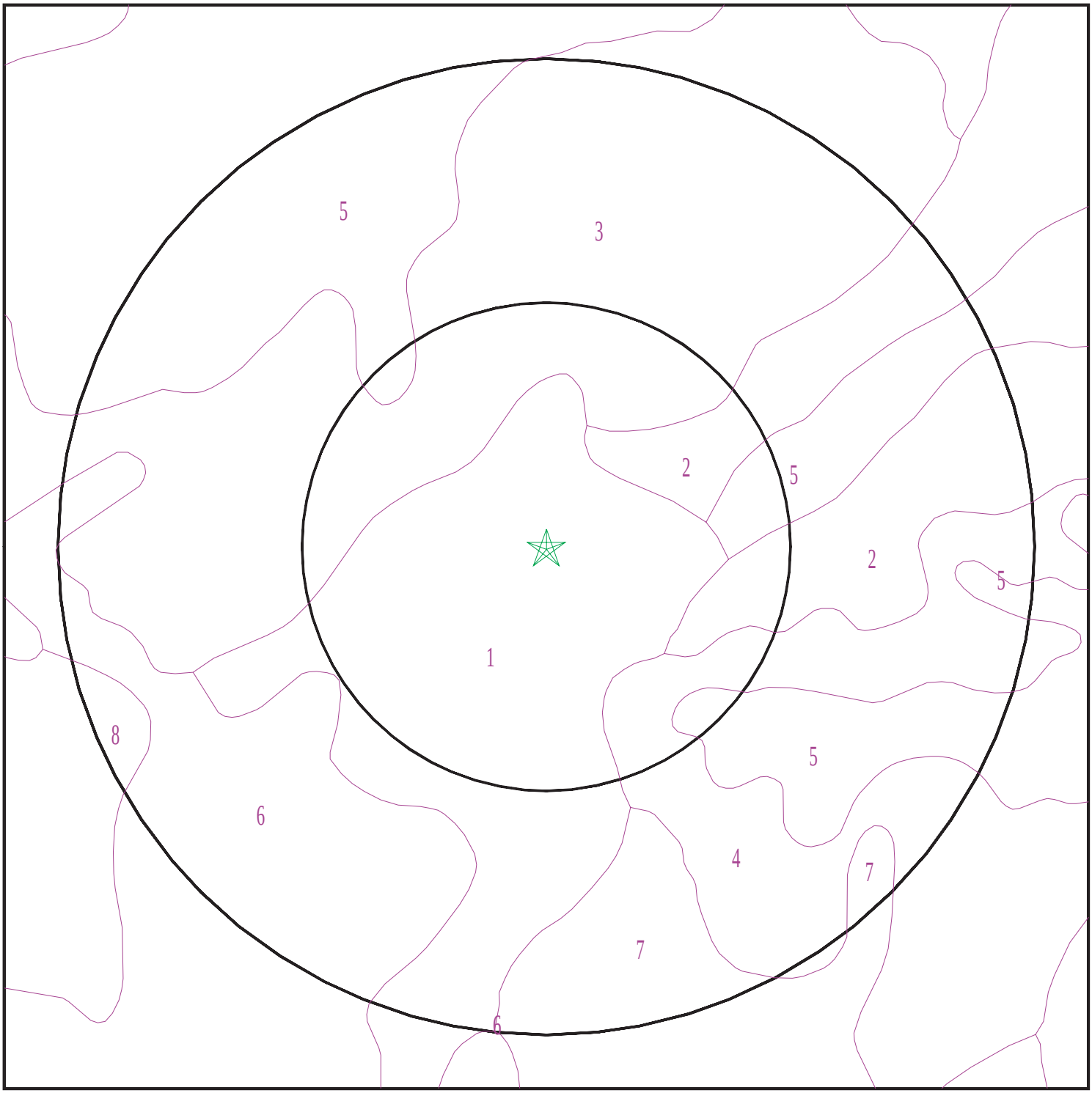
Era:	Mesozoic
System:	Lower Jurassic and Upper Triassic
Series:	Lower Mesozoic
Code:	lMze *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

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 - 4900778.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Zamora Automotive-Vacant Land	CLIENT:	ATC Group Services LLC
ADDRESS:	Collier Avenue	CONTACT:	Victoria Rojo
	Lake Elsinore CA 92532	INQUIRY #:	4900778.2s
LAT/LONG:	33.688934 / 117.336495	DATE:	April 06, 2017 3:16 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: GARRETSON

Soil Surface Texture: gravelly very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	GC-GM	Max: 14 Min: 4	Max: 7.3 Min: 6.1
2	9 inches	53 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 7.8 Min: 6.1
3	53 inches	72 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 6.1

Soil Map ID: 2

Soil Component Name: GARRETSON

Soil Surface Texture: gravelly very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 6.1
2	9 inches	53 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 7.8 Min: 6.1
3	53 inches	72 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 6.1

Soil Map ID: 3

Soil Component Name: ARBUCKLE

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	25 inches	44 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6
3	44 inches	68 inches	stratified very gravelly sandy loam to very gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6

Soil Map ID: 4

Soil Component Name: ARBUCKLE

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	25 inches	44 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6
3	44 inches	68 inches	stratified very gravelly sandy loam to very gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6

Soil Map ID: 5

Soil Component Name: ARBUCKLE

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	25 inches	44 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6
3	44 inches	68 inches	stratified very gravelly sandy loam to very gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6

Soil Map ID: 6

Soil Component Name: PACHAPPA

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	20 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.8 Min: 6.1
2	20 inches	62 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 6.6

Soil Map ID: 7

Soil Component Name: GARRETSON

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 6.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	9 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.8 Min: 6.1

Soil Map ID: 8

Soil Component Name: TRAVER

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	20 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 9 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	20 inches	59 inches	stratified fine sandy loam to silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9.6 Min: 8.4

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

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

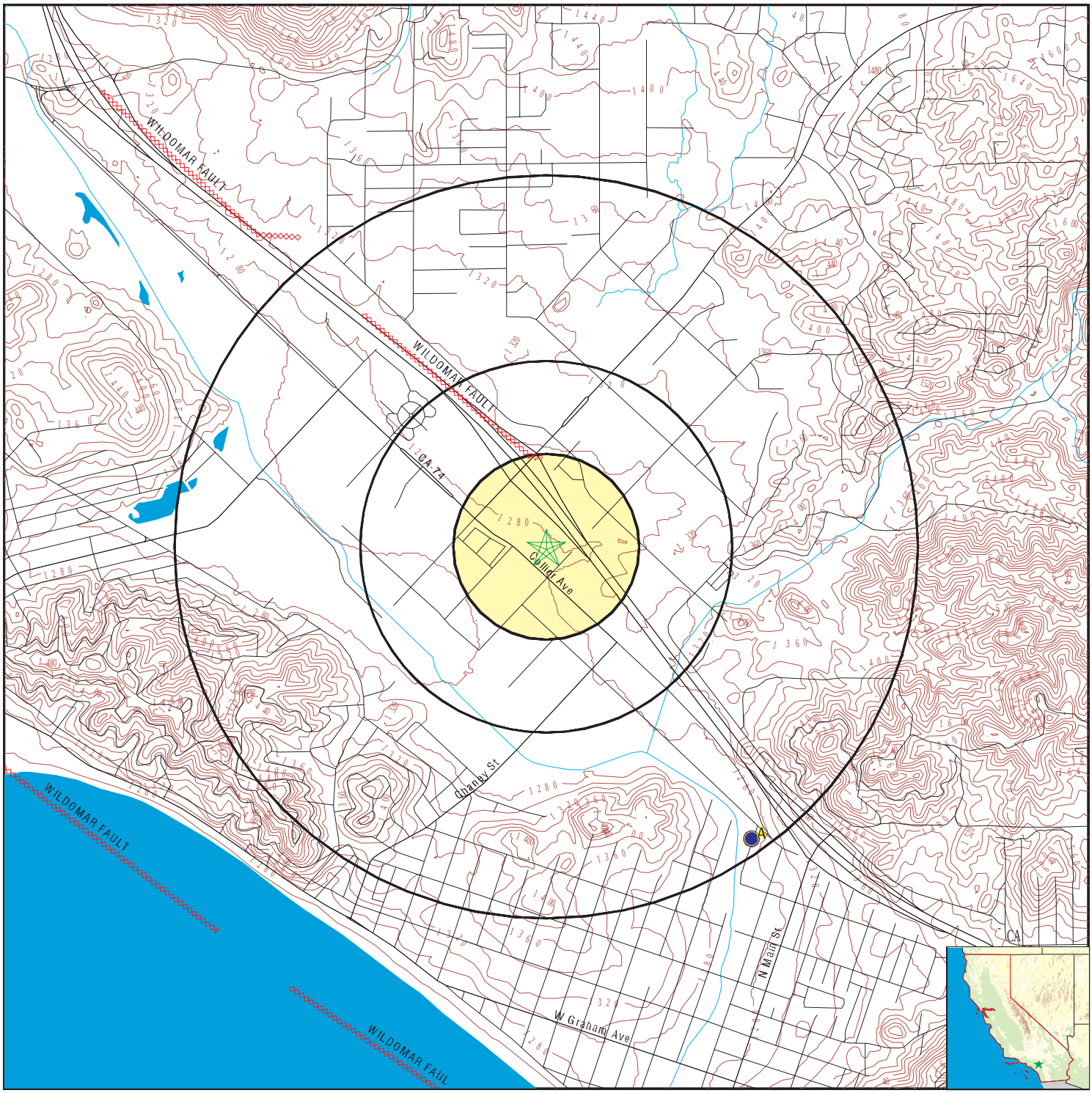
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 4900778.2s



- 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
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Zamora Automotive-Vacant Land	CLIENT:	ATC Group Services LLC
ADDRESS:	Collier Avenue Lake Elsinore CA 92532	CONTACT:	Victoria Rojo
LAT/LONG:	33.688934 / 117.336495	INQUIRY #:	4900778.2s
		DATE:	April 06, 2017 3:16 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
A1 **SE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083300978T Not Reported Not Reported Not Reported 18 ft 05/26/1988	**AQUIFLOW**	**50994**
A2 **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083301248T WSW Not Reported Not Reported 15 11/1995	**AQUIFLOW**	**50780**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92532	1	0

Federal EPA Radon Zone for RIVERSIDE 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 RIVERSIDE COUNTY, CA

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.117 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.450 pCi/L	100%	0%	0%
Basement	1.700 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & 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 E

HISTORICAL RESEARCH & OTHER SUPPORTING DOCUMENTATION

Zamora Automotive-Vacant Land

Collier Avenue

Lake Elsinore, CA 92532

Inquiry Number: 4900778.12

April 06, 2017

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/06/17

Site Name:

Zamora Automotive-Vacant Lar
Collier Avenue
Lake Elsinore, CA 92532
EDR Inquiry # 4900778.12

Client Name:

ATC Group Services LLC
25 Cupania Circle
Monterey Park, CA 91755
Contact: Victoria Rojo

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: August 29, 1990	USDA
1989	1"=500'	Flight Date: August 15, 1989	USDA
1985	1"=500'	Flight Date: February 24, 1985	USDA
1978	1"=500'	Flight Date: September 20, 1978	USDA
1967	1"=500'	Flight Date: May 15, 1967	USDA
1961	1"=500'	Flight Date: June 15, 1961	USDA
1953	1"=500'	Flight Date: September 22, 1953	USDA
1949	1"=500'	Flight Date: May 06, 1949	USDA
1938	1"=500'	Flight Date: June 14, 1938	USDA

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INQUIRY #: 4900778.12
YEAR: 2012
= 500'
N
EDR

INQUIRY #: 4900778.12
YEAR: 2010
= 500'
N
EDR

INQUIRY #: 4900778.12
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 4900778.12
YEAR: 2005
= 500'
N
EDR

INQUIRY #: 4900778.12
YEAR: 1994
= 500'
N
EDR

INQUIRY #: 4900778.12

YEAR: 1990

= 500'

N

EDR

INQUIRY #: 4900778.12
YEAR: 1989
= 500'
N
EDR

INQUIRY #: 4900778.12
YEAR: 1985
= 500'
N
EDR

INQUIRY #: 4900778.12
YEAR: 1978
= 500'
N
EDR

INQUIRY #: 4900778.12
YEAR: 1967
= 500'
N
EDR

INQUIRY #: 4900778.12

YEAR: 1961

= 500'

N

EDR

INQUIRY #: 4900778.12
YEAR: 1953
= 500'
N
EDR

INQUIRY #: 4900778.12
YEAR: 1949
= 500'
N
EDR

INQUIRY #: 4900778.12
YEAR: 1938
= 500'
N
EDR

Zamora Automotive-Vacant Land

Collier Avenue

Lake Elsinore, CA 92532

Inquiry Number: 4900778.4

April 06, 2017

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/06/17

Site Name:	Client Name:
Zamora Automotive-Vacant Lai	ATC Group Services LLC
Collier Avenue	25 Cupania Circle
Lake Elsinore, CA 92532	Monterey Park, CA 91755
EDR Inquiry # 4900778.4	Contact: Victoria Rojo

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by ATC Group Services LLC 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.#	1011600914 phs1	**Latitude:**	33.688934 33° 41' 20" North
Project:	1011600914 phs1	**Longitude:**	-117.336495 -117° 20' 11" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	468812.54
		UTM Y Meters:	3727717.27
		Elevation:	1277.00' above sea level

Maps Provided:

2012
1997
1988
1982
1978
1973
1953
1901

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

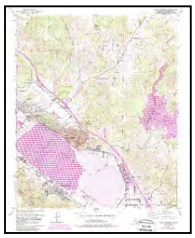
2012 Source Sheets

Lake Elsinore
2012
7.5-minute, 24000

1997 Source Sheets

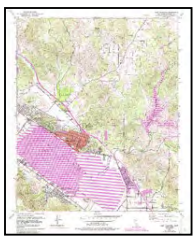
Lake Elsinore
1997
7.5-minute, 24000
Aerial Photo Revised 1994

1988 Source Sheets



Lake Elsinore
1988
7.5-minute, 24000
Aerial Photo Revised 1985

1982 Source Sheets



Lake Elsinore
1982
7.5-minute, 24000
Aerial Photo Revised 1980

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1978 Source Sheets

Lake Elsinore
1978
7.5-minute, 24000
Aerial Photo Revised 1978

1973 Source Sheets

Elsinore
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1953 Source Sheets

Elsinore
1953
7.5-minute, 24000
Aerial Photo Revised 1951

1901 Source Sheets

Elsinore
1901
30-minute, 125000

Historical Topo Map

2012

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

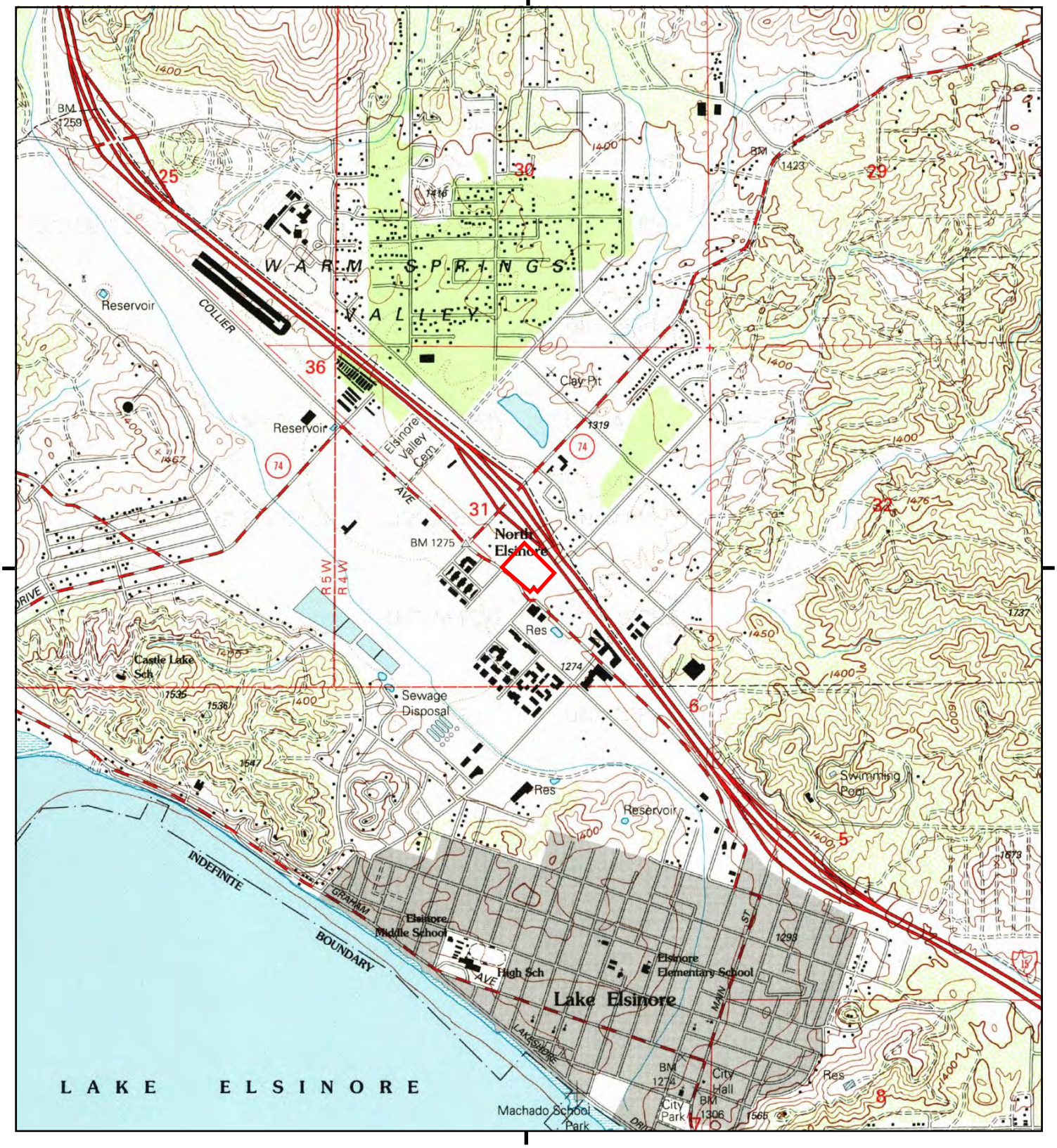
TP, Lake Elsinore, 2012, 7.5-minute

SITE NAME: Zamora Automotive-Vacant Land
ADDRESS: Collier Avenue
Lake Elsinore, CA 92532
CLIENT: ATC Group Services LLC

N

Historical Topo Map

1997



This report includes information from the following map sheet(s).

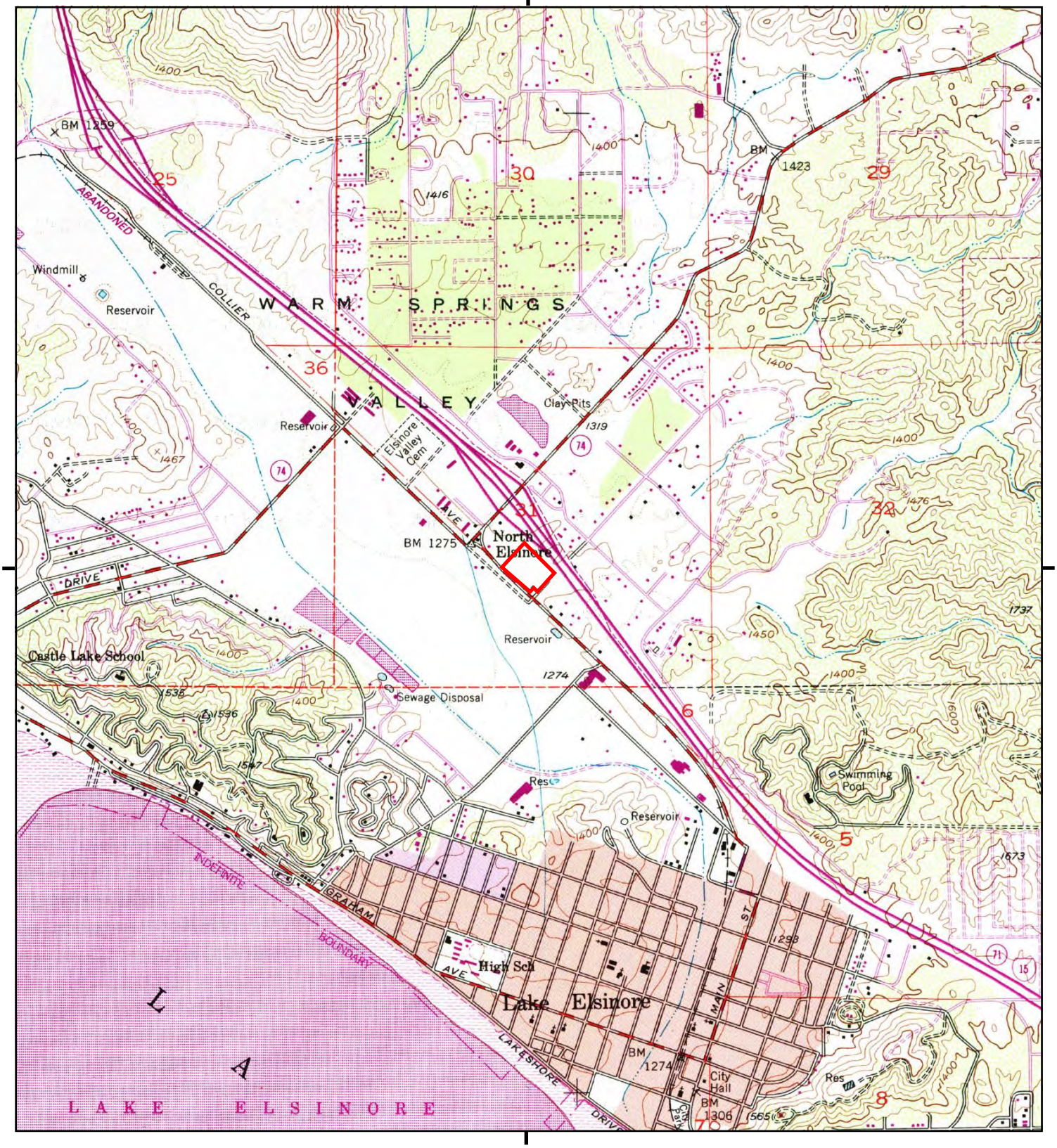
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Lake Elsinore, 1997, 7.5-minute

SITE NAME: Zamora Automotive-Vacant Land
ADDRESS: Collier Avenue
Lake Elsinore, CA 92532
CLIENT: ATC Group Services LLC

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

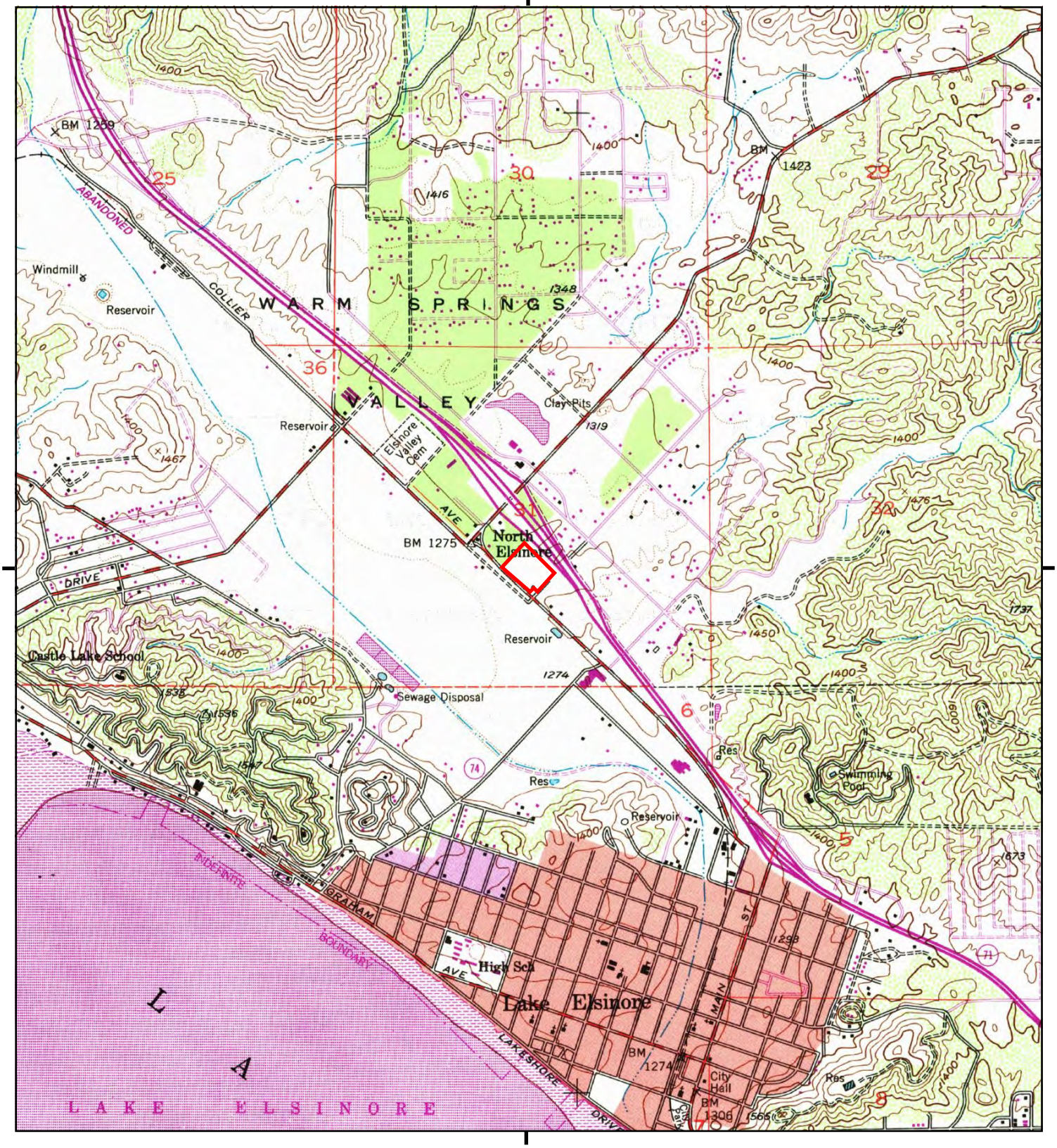
TP, Lake Elsinore, 1988, 7.5-minute

SITE NAME: Zamora Automotive-Vacant Land
ADDRESS: Collier Avenue
Lake Elsinore, CA 92532
CLIENT: ATC Group Services LLC

N

Historical Topo Map

1982



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

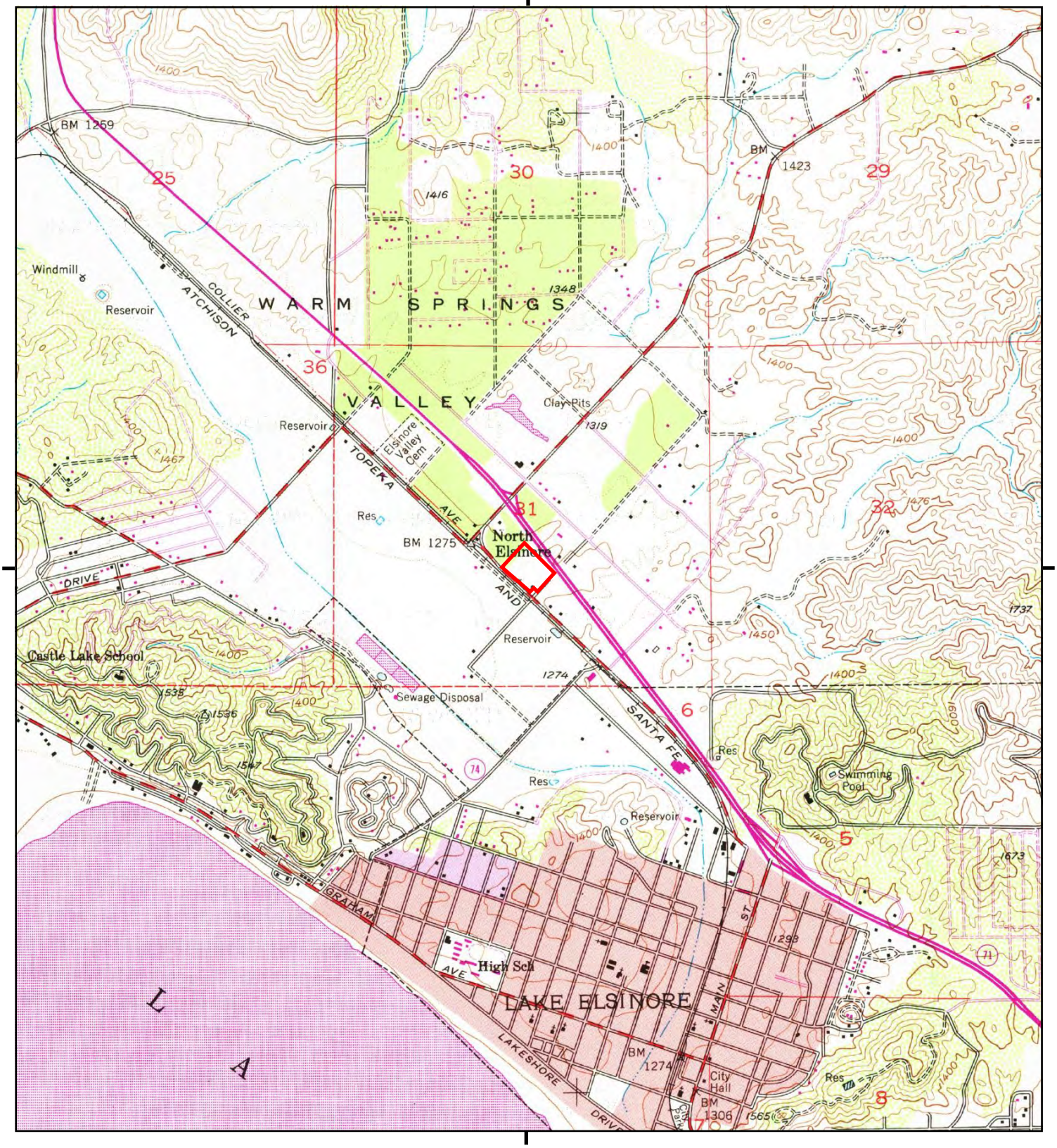
TP, Lake Elsinore, 1982, 7.5-minute

SITE NAME: Zamora Automotive-Vacant Land
ADDRESS: Collier Avenue
Lake Elsinore, CA 92532
CLIENT: ATC Group Services LLC

N

Historical Topo Map

1978



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

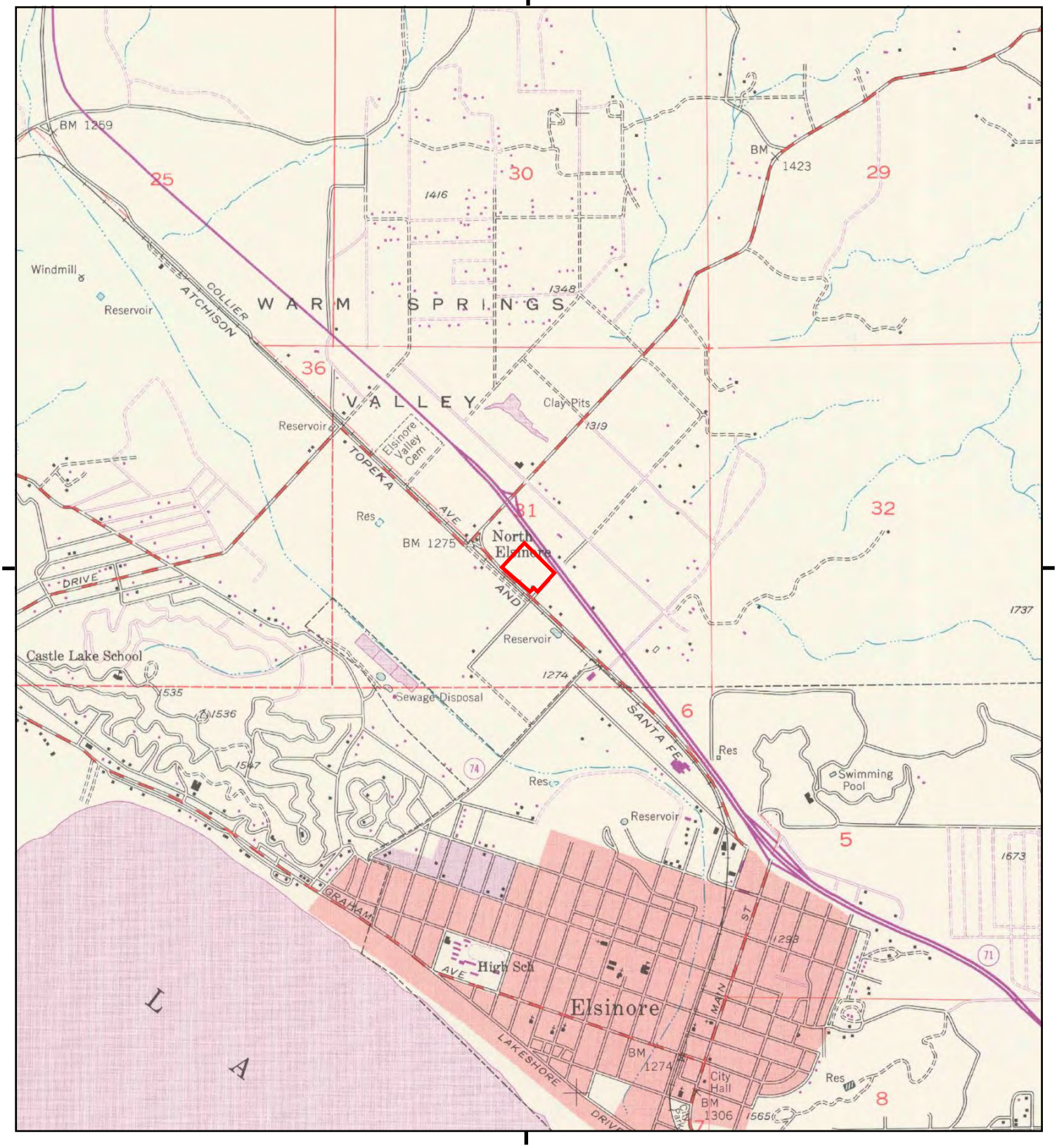
TP, Lake Elsinore, 1978, 7.5-minute

SITE NAME: Zamora Automotive-Vacant Land
ADDRESS: Collier Avenue
Lake Elsinore, CA 92532
CLIENT: ATC Group Services LLC

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

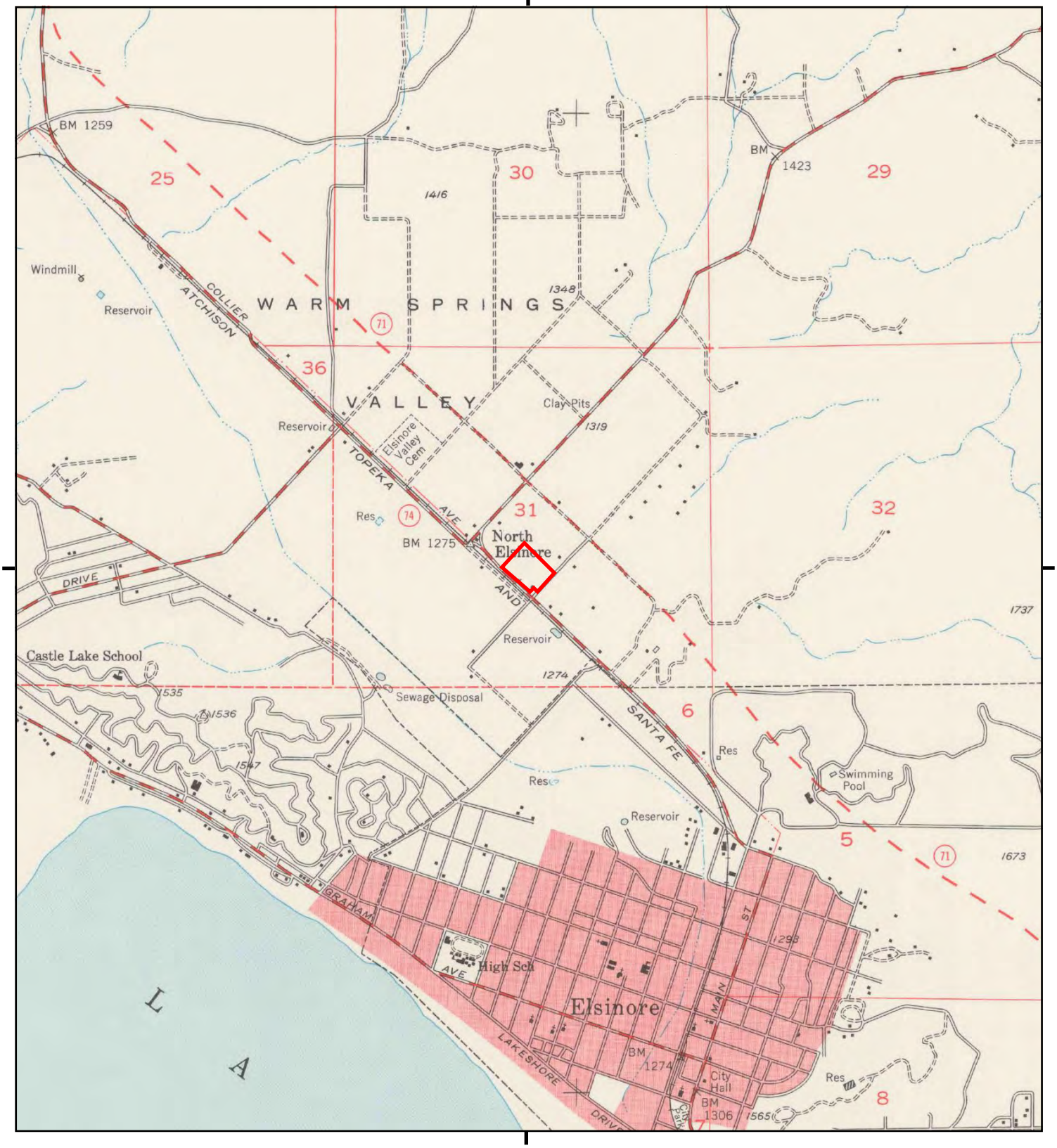
TP, Elsinore, 1973, 7.5-minute

SITE NAME: Zamora Automotive-Vacant Land
ADDRESS: Collier Avenue
Lake Elsinore, CA 92532
CLIENT: ATC Group Services LLC

N

Historical Topo Map

1953



This report includes information from the following map sheet(s).

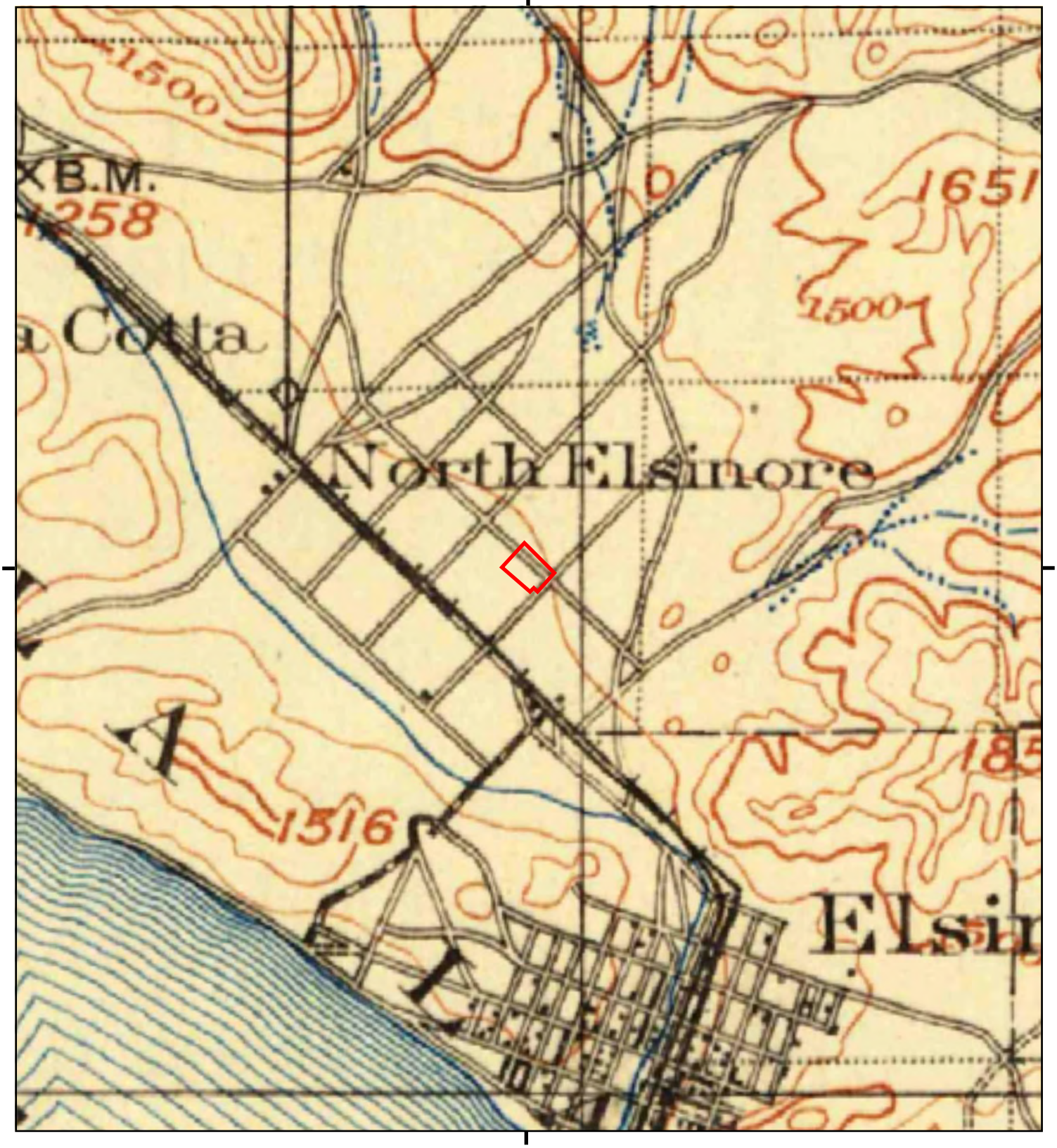
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Elsinore, 1953, 7.5-minute

SITE NAME: Zamora Automotive-Vacant Land
ADDRESS: Collier Avenue
Lake Elsinore, CA 92532
CLIENT: ATC Group Services LLC

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Elsinore, 1901, 30-minute

SITE NAME: Zamora Automotive-Vacant Land
ADDRESS: Collier Avenue
Lake Elsinore, CA 92532
CLIENT: ATC Group Services LLC

N

Zamora Automotive-Vacant Land
Collier Avenue
Lake Elsinore, CA 92532

Inquiry Number: 4900778.5
April 10, 2017

The EDR-City Directory Image Report

Environmental Data Resources Inc
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Findings

City Directory Images

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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.

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.

Year	*Target Street*	*Cross Street*	*Source*
2013	☑	☐	Cole Information Services
2008	☑	☐	Cole Information Services
2003	☑	☐	Cole Information Services
1999	☑	☐	Cole Information Services
1995	☑	☐	Cole Information Services
1992	☑	☐	Cole Information Services
1990	☑	☐	Haines Criss-Cross Directory
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory

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FINDINGS

TARGET PROPERTY STREET

Collier Avenue
Lake Elsinore, CA 92532

Year	*CD Image*	*Source*
COLLIER AVE		
2013	pg A2	Cole Information Services
2008	pg A5	Cole Information Services
2003	pg A9	Cole Information Services
1999	pg A12	Cole Information Services
1995	pg A15	Cole Information Services
1992	pg A17	Cole Information Services
1990	pg A18	Haines Criss-Cross Directory
1985	pg A19	Haines Criss-Cross Directory
1980	pg A20	Haines Criss-Cross Directory
1980	pg A21	Haines Criss-Cross Directory
1975	pg A22	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 2013

609	STEVES TOWING
17600	A & Y LEATHER PLUS ACCESSORIES
	AMANI BOUTIQUE
	ARBI JEWELERS
	BASS SHOE FACTORY OUTLET
	BATH & BODY WORKS
	BEST ONE
	BILLABONG RETAIL INC
	BOOK WAREHOUSE OF LAKE ELSINORE
	CARTERS
	CASUAL MALE XL OUTLET
	CORNING CORRELL FACTORY
	DAIRY QUEEN
	DRESSBARN
	ELEMENT RETAIL OUTLET
	FACTORY BRAND SHOES
	FARMER BROWN GIFTS
	FOX RACING
	GAP OUTLET
	GUESS FACTORY 3244
	GYMBORRE OUTLETS
	HUSH PUPPIES & FAMILY
	I E SIDE I
	IMPRESSIONS
	KITCHEN COLLECTION
	LANE BRYANT OUTLET
	LEGGSHANESBALI FACTORY OUTLET
	LEVIS OUTLET
	LIMITED EDITION
	MAGIC STEP
	MAIDENFORM OUTLET
	NATIONAL STORES INC
	NATURALIZER OUTLET
	NIKE FACTORY STORE
	OLD NAVY
	ONEILL RAIDERS OUTLET
	OSHKOSH BGOSH
	PACIFIC SHORES BOARD SHOP
	PACSUN
	PAYLESS SHOESOURCE
	PERFUMANIA
	PIERO BOUTIQUE
	REEBOK FACTORY DIRECT STORE
	ROCKY MOUNTAIN CHOCOLATE FACTORY
	RUE21
	RVCA RETAIL OUTLET
	SAS SHOES
	SKECHERS
	STYLES FOR LESS
	SUNGLASS HUT

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 2013 (Cont'd)

17600	THE CHILDRENS PLACE
	TOYS R US
	VAN HEUSEN FACTORY STORE
	VANS
	VF OUTLET
	VITAMIN WORLD
	WETZELS PRETZELSLK ELSINOR
	WILLIAMS SONOMA INC PBO
17935	EDJE ENTERPRISES
17945	TWISTN U GYMNASTICS
17955	GNS RACING PREP
17965	RIVERSIDE DISCOUNT FURNITURE
17975	PEACEFUL PLAYGROUNDS
17985	BAKER WINDOW & DOOR REPLACEMENT
17999	EZ PRODUCTS
18170	ELSINORE VALLEY CEMETARY
18171	CALIFORNIA SKIER MASTERCRAFT
18181	INTERSTATE VW USED PARTS
	TOWN & COUNTRY TOWING
18248	IHOP
18261	TOVEY SHULTZ CONSTRUCTION INC
18281	A PLUS DRAPERIES & BLINDS
	ATC TAEKWONDO HAPKIDO CENTER
	CENTRAL AUTO GLASS
	NEW EMPIRE INTERIORS
	PAISANO SMOG TEST ONLY
18282	THE HOME DEPOT
18283	MCDONALDS
18284	OCCUPANT UNKNOWN
	RADIOSHACK
	WIENERSCHNITZEL
18285	CAPITAL REALTY INC
	FANTASTIC SAMS
	GAMESTOP
	GNC
	GO WIRELESS
	GOLDEN CHOPSTIX
	H&R BLOCK
	LAKESIDE FAMILY OPTOMETRY
	LYNN STEVEN
	MAIL STOP ETC
	OAK GROVE DENTAL GROUP
	PAPA JOHNS PIZZA
	PHILLIP BENKER
	RAYMOND CHAVEZ
	STARBUCKS COFFEE
	SUBWAY SANDWICHES
	TERRA COTTA PARTNERS LLC
	TRUE TOUCH NAILS & SPA
	WATANAVE BRYAN

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 2013 (Cont'd)

18287	STARBUCKS COFFEE
18288	FARMER BOYS FOOD INC
18290	PETCO
18291	BANK OF AMERICA
18292	EL POLLO LOCO
18296	WALGREENS
18298	BIG 5 SPORTING GOODS
18301	MICO
18421	UNITED STATES ACADEMY OF MARTIAL ART
18451	ARMORED INK
	ASSET CAPITAL MANAGMENT GRP
	EMBROIDERY & MORE
	GRANITE SHIELD
	LORING STUDIOS
	TILE OUTLET ALWAYS IN STOCK
18501	CHEMDRY
	DIAZ SPAS
	PLAZA GLASS COMPANY
	PRIME CUTS
	REID MACHINE
	SCI
18533	R & A ROOF STRUCTURES INC
18535	THERMAL ELECTRONICS
18537	CHAMPION WHEEL COMPANY INC
18539	ALLIED WIRE INC
18574	DIANA MCINTOSH
	SHAWN PETERSON
18630	BELLA PIEDRAS LANDSCAPE CONST
	BRAKETECH USA INC
	FAT MAN PARTS
	FIRST PRIORITY PROPERTY FIELD SERVIC
	FXE DESIGNS
	GR LIGHTING SUPPLIES
	IMG MOTORSPORTS
	MOULDING DEPOT THE
	PROSPER INDUSTRIES
18650	A IMPACT
	ALL ADVERTISING SPECIALTIES
	FILTERS PLUS INC
	IMPACT PROMOTIONALEMBROIDERY
	IMPACT PROMOTIONALSCREEN PRINTING
	INDUSTRIAL MACHINE & WELD
18740	FRED CROWE
18791	STORAGE SOLUTIONSLK ELSINORE
19930	RTS PARTNERSHIP

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 2008

17600 1ST IMPRESSION
A Y LUGGAGE & LEATHER TRENDS
ALBERHILL RANCH INC
AMANI BOUTIQUE
ARBI JEWELERS
ASL KASPER
BALBOA BEACH CO 3
BASS SHOE OUTLET
BATH & BODY WORKS
BEENE GEOFFREY
BIG DOG SPORTSWEAR
BILLABONG
BROWN GROUP RETAIL INC
CARTERS
CASUAL CORNER PETTITE
CASUAL MALE RETAIL GROP INC
CORNING CORRELL REVEARE
DAIRY QUEEN BRAZIER
DISNEYS CHARACTER WAREHOUSE
E REDLIN
FACTORY BRAND SHOES
FOREVER COOL LAKE ELSINORE
FOX RACING
GEOFFREY BEENE
GH BASS
GIARDINI PAOLO
HAGGAR CLOTHING CO
HOBBIES TOYS & MORE
HUB DISTRIBUTING INC
HUSH PUPPIES & FAMILY
IZOD
JERSEY JOES JERSEYS
KASPER
KASPER ASL
KATHYS HOUSE DECOR
KITCHEN COLLECTION
KORET OF CALIFORNIA INC
LAKE ELSINORE OUTLET CENTER
LCI HOLDINGS INC
LEGGS HANES BALI FACTORY OUTLET
LEVIS OUTLET
MAIDENFORM
MAUI WOWI HAWAIIAN
MOTORSPORT TRADER
MR INTERNATIONAL
NATURALIZER OUTLET
NINE WEST
OLD NAVY
OSHKOSH B GOSH
OUTLET RETAIL STORES

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 2008 (Cont'd)

17600	PACIFIC SHORE
	PACSUN INC
	PARTY CONCEPTS INC
	PAYLESS SHOESOURCE
	PERFUMANIA
	PHILLIPS VAN HEUSEN CORP
	PRIME OUTLETS ACQUISITION LLC
	PRIME RETAIL
	PUBLISHERS WAREHOUSE
	REDLINE
	RETAIL HOLDINGS
	ROCKY MOUNTAIN CHOCOLATE FACTORY
	SAN ANTONIO SHOE INC
	SARA LEE CORP
	SARAH LEE DIRECT INC
	SONY ELECTRONICS INC
	SONY FACTORY OUTLET
	THE WILLIAM CARTER CO
	TOP DRAWER LINGERIE
	VAN HEUSEN FACTORY OUTLET
	VANS
	VF FACTORY OUTLET INC
	VITAMIN WORLD
	VON DUTCH GARAGE
	WELCOME HOME LLC
	WETZELS PRETZEL
	WORLD KITCHEN LLC
	ZUL & KATE DANCE STUDIO
17945	TWIST N U INC
17955	SEDIG MASONRY INC
17999	E Z PRODUCTS
	HIGHWAY TECHNOLOGIES INC
	UNITED RENTALS HIGHWAY TECHNOLOGIES
18170	COUNTY OF RIVERSIDE
18171	13TH FLOOR WAKEBOARD TOWERS
	CALIFORNIA SKIER
	MASTERCRAFT BOATS
18181	CITY AUTO WRECKING
	INTERSTATE VW USED PARTS & CORE CO
	LAWRENCE MCLINGBERG
	TOWN & COUNTRY TOWING
18261	OCCUPANT UNKNOWN
	RC MOTORSPORT
	TOVEY SHULTZ CONSTRUCTION INC
18281	ADVANCED PROTECTION SYSTEMS
18282	THE HOME DEPOT
18285	ALL STAR TURF INC
	ARLENE HISS
	FANTASTIC SAMS
	GAMESTOP

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 2008 (Cont'd)

18285	GOLDEN CHOPSTIX
	LAKESIDE FAMILY OPTOMETRY
	LYNN STEVEN DDS
	MAIL STOP ETC
	OAK GROVE DENTAL GROUP
	TRUE TOUCH NAILS & SPA
18286	99 CENTER ONLY STORE
18287	TARGET STORES
18292	EL POLLO LOCO
18296	WALGREENS
18301	CHARLES R WILLIAMS ENTERPRISES INC
	MICO
	RELIABLE REPAIR REMEDIES INC
	SIGN CENTER
18302	ALEX DIXON TARBELL REALTORS
	KHAN SHAYAN
	TARBELL REALTORS
18451	BANDINI GOLF
	GRANITE SHIELD COUNTERTOPS OF LAGUNA
	GSC FLOOR TO CELING
	TILE OUTLET
	VERSATILE STONES INC
18501	BROTHERS CONSTRUCTION MANAGEMENT
	J & M COMMERCIAL DOORS INC
	RAMPAGE PRODUCTS
	REID MACHINE
	SCI INC
	STONE TRENCHING
	SUPERIOR CUSTOM CABINETS
18531	PART PLUS
18533	R & A ROOF STRUCTURES INC
18537	CHAMPION WHEEL CO INC
18541	WHEEL ON WAREHOUSE
18570	OCCUPANT UNKNOWN
18574	HOWARD GREENLEE
18601	CREATIVE WOODWORKS
18630	BRAKETECH USA INC
	D N A CONSTRUCTION & FLOORING
	D N A CONSTRUCTION WAREHOUSE
	F C SWISS REVISION
	FEDERAL MOGUL
	FRASER FURNITURE
	HOLESHOT RACING
	HOLLAND WINDOW INC
	JOAN PEREZ
	JP INSTALLATIONS
	WASHWAY INC
18650	AIA IMPACT ADVERTISING
	AMERICAN OFFICE SERVICES INC
	CANYONLAKEGEAR

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 2008 (Cont'd)

18650	D & A CONSTRUCTION & FLOORING
	FILTERS PLUS INC
	IMPACT PROMOTIONAL EMBROIDERY
	INDUSTRIAL MACHINE & WELD
	JS TECHNOLOGIES INC
	MANTONENGINEERING COM
	RYAN COATS
	WEB FULFILLMENT LLC
	WILLIAMS MANUFACTURING
18740	FRED CROWE
18791	EMPIRE SELF STOR LK ELSINORE
19930	AM PM MINI MARKET
	RTS PARTNERSHIP

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 2003

17600 AMANI BOUTIQUE
ARBI JEWELERS
ARUBA JUICE N JAVA CAFE
ASL KASPER
AY LEATHER & LUGGAGE TRENDS
BALBOA BEACH CO
BASS SHOE OUTLET
BATH & BODY WORKS
BAYSIDE WATCH
BEENE GEOFFREY
BIG DOG SPORTSWEAR
BILLABONG
BLACK BOOK PUBLISHING CORP
BROWN GROUP RETAIL INC
CAPEZIO FACTORY
CAR TOONS
CASUAL MALE BIG & TALL
CHARLES GARNER
CLAIRES ACCESSORIES
CORNING CORRELL FACTORY
DAIRY QUEEN
DESIGNER LABELS FOR LESS
DRESS BARN
EBF CAPITAL MANAGEMENT INC
ELDON BEYERLE
ELIZABETH OUTLET STORE
FARBERWARE INC
FARMER BROWNS ANTQ & CLCTBL
FURNITURE FACTORY OTLT AT LAKE
GAP OUTLET AT LAKE ELSINORE
GEOFFREY BEENE
GH BASS
GLORIOUS NEST
HAGGAR CLOTHING CO
HALDANITE COMPUTERS
HOBBIES TOYS & MORE INC
HUSH PUPPIES & FAMILY
IE SIDE I
IZOD
JIM ARBI
JOCKEY FACTORY STORE
JONES NEW YORK FACTORY STORE
JUST A BARGAIN
KB TOY OUTLET
KORET OF CALIFORNIA
LCI HOLDINGS INC
LEVIS OUTLET
LILBIT CNTRY LILBIT ROCK & R
LIZ CLAIBORNE OUTLET
MAIDENFORM

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 2003 (Cont'd)

17600	MARYS FASHION
	MOTORSPORT TRADER
	MUSIC FOR A SONG
	NIKE FACTORY STORE
	NINE WEST
	OSHKOSH BJOSH
	PUBLISHERS WAREHOUSE
	REEBOK FACTORY DIRECT
	ROCKY MTN CHOCOLATE FACTORY
	SAS FACTORY SHOE STORE
	SONY FACTORY OUTLET
	STROUDS LINEN WAREHOUSE
	STYLES FOR LESS
	SUN GLASS HUT
	SUNGLASS HUT INTERNATIONAL
	TACO BELL & ROUND TABLE PZZ
	THE EXPRESS WAREHOUSE
	THE FURNITURE FACTORY
	THE OLD NAVY OUTLET
	TOOLS & MORE
	URBAN CLOSET
	VAN HEUSEN FACTORY OUTLET
	VANS SHOES
	VITAMIN WORLD
	WELCOME HOME
	WINSTON ALEXANDER
17999	EZ PRODUCTS CO
	MITCHELL NELSON
18170	ELSINORE VALLEY CEMETERY
18181	CITY AUTO WRECKING
	LAWRENCE MCLINGBERG
	TOWN & COUNTRY TOWING
18281	A DRAPES & BLINDS
	A PLUS DRAPERIES & BLINDS
	ADVANCE ELECTRONIC SOLUTIONS
	LAKE ELSNR TEST ONLY SMOG CTR
	MEDINA TRANSMISSIONS
	SHALIMAR AUTO SALES
	ULTRA AUTOMOTIVE
18301	CREATIVE CANVAS CONCEPTS
	STUDIO 415
18501	SCI INC
18574	ROBERT SPEARS
18630	APPLITEC MFG
	D N A CONSTRUCTION
	FERODO BRAKE TECH
	GT PLUMBING
	JOAN PEREZ
	JOANNE PEREZ
	KIMBERLEY FUNK

COLLIER AVE 2003 (Cont'd)

18630	MARK DIX
	MARSHALL INSTALLATIONS
	MARSHALL INSTLTN & WTHRSTRP
18650	ADVERTISING SPECIALTY IMPORT
	DRAGONS KEEP
	GREG CASSIDY
	IMPACT PROMOTIONAL PRODUCTS
	INTELLIGENT VISION
	JS TECHNOLOGIES INC
	ROD COUEY MOTOR SERVICE
	SPACKERS INDUSTRIES INC
	SUN SOLUTIONS
18740	FRED CROWE
19930	JASPAL RANDHAWA
	RTS PARTNERSHIP

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 1999

17600 1928 DESIGNER BRANDS & ACCESSORIES
9 WEST & COMPANY OUTLET
A & Y LEATHER
AMERICAN OUTPOST
AMERICAN TOURISTER FACTORY OUTLET
ARTISANS
ARUBA JUICE N JAVA CAFE
ASL KASPER
BALBOA BEACH COMPANY
BARBIZON LINGERIE
BASS FACTORY OUTLETS REGIONAL OFFICES
BASS SHOE OUTLET
BAYSIDE WATCH
BEENE GEOFFREY
BIG & TALL CASUAL MALE
BIG DOG SPORTSWEAR
BUGLE BOY INDUSTRIES INCORPORATED
BUY FOR LESS
CAPEZIO FACTORY THE
CARTER CHILDRENS WEAR
CHICAGO CUTLERY
CLAIRES ACCESSORIES
COLE HAAN FOOTWARE
COLOURS & SCENTS INCORPORATED
CORNING CORRELL FACTORY
CRAZY HORSE OUTLET STORES
DAIRY QUEEN
DESIGNER LABELS FOR LESS
DRESS BARN OUTLET
E REDLIN
ELIZABETH OUTLET STORE
ESPRIT
ETIENNE AIGNER INCORPORATED
EXECUTIVE SUITE THE
FAMOUS BRAND HOUSEWARES
FARBERWARE INCORPORATED
FLORSHEIM FACTORY OUTLET
FOSSIL COMPANY STORE
GANT
GENUINE KIDS
GIARDINI PAOLO
GLORIOUS NEST THE
GREETINGS & MORE
HAGGAR CLOTHING COMPANY
HARRY & DAVID
HERO GROUP THE
HUSH PUPPIES & FAMILY
I E SIDE I
IZOD
J H COLLECTIBLES

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 1999 (Cont'd)

17600 JOCKEY FACTORY STORE
JONES NEW YORK FACTORY STOR
JONES NEW YORK SPORT
KASPER ASL
KAY BEE TOY STORE
KB TOY LIQUIDATORS
KITCHEN COLLECTION
KORET OF CALIFORNIA
LAKE ELSINORE OUTLET CENTER
LEATHER LOFT
LECOQ SPORTIF DESIGNER OUTLET
LEGGS HANES BALI FACTORY OUTLET
LEVIS OUTLET
LIZ CLAIBORNE OUTLET
LONDON FOG FACTORY STORE
MAIDENFORM OUTLET
MARIKA
MARYS FASHION
MIKASA FACTORY STORE
MUSIC FOR A SONG
NAMES FOR DAMES INCORPORATED
NAP OUTLET
NATURALIZER OUTLET
NIKE FACTORY STORE
NORDICTRACK FITNESS AT HOME
OLGA WARNERS
ONEIDA FACTORY STORE
OSHKOSH BGOSH INCORPORATED
PAPER OUTLET THE
PERFUMANIA
PRESTIGE FRAGRANCE & COSMETICS INCORPORATED
PUBLISHERS OUTLET
PUBLISHERS WAREHOUSE OF LAKE ELSINORE CALIF INCORPORATED
REEBOK FACTORY DIRECT
ROCKY MOUNTAIN CHOCOLATE FACTORY
ROUND TABLE PIZZA
ROYAL DALTON USA INCORPORATED
S A S FACTORY SHOE STORE
SHOE PAVILION
SOCKS GALORE
SONY FACTORY OUTLET
STARTER OUTLET INCORPORATED
STROUDS LINEN WAREHOUSE
STYLES FOR LESS
SUNGLASS HUT
SURF SKATE & SNOW OUTLET STORE
TOY LIQUIDATORS
V F FACTORY OUTLET
VAN HEUSEN FACTORY OUTLET
VANS SHOES

COLLIER AVE 1999 (Cont'd)

17600	VITAMIN WORLD
	WALLET WORKS THE
	WELCOME HOME
	WESTPORT LIMITED
17999	E Z PRODUCTS
18170	ELSINORE VALLEY CEMETERY
18181	CITY AUTO WRECKING
	TOWN & COUNTRY TOWING
18285	ARLENE HISS
	DEAN RAUSCHER
18301	AERO PRO MANUFACTURING
	MICO
	SCHALLERT ENTERPRISES
18574	HOWARD GREENLEE
	OCCUPANT UNKNOWN
18630	APPLITEC MANUFACTURING
	AQUA COMFORTS
	BIG A AUTO PARTS
	C M PLASTIC FABRICATIONS
	CARPET OUTLET
	CR BOOKKEEPING
	CR ENTERPRISES
	F C SWISS REVISION
	FILTERS PLUS INCORPORATED
	HESS & SANFORD PLUMBING COMPANY INCORPORATED
	JESSES WOODWORK
	LAKE ELSINORE AUTO PARTS INCORPORATED
	MARSHALL INSTALLATIONS & WEATHERSTRIP
	POUND BILL AUTOMOTIVE
	R & L INTERIOR INCORPORATED
	REVERSE ENGINEERING SERVICES
	SCHILLERS AUTOMOTIVE
18650	AMPRO MANUFACTURING INCORPORATED
	CREST DOOR & TRIM
	IMPACT PROMOTIONAL PRODUCTS
	ROD COUEY MOTOR SERVICE
18740	FRED CROWE

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 1995

17600	9 WEST & CO OUTLET
	ADOLFO II
	AMERICAN TOURISTER FACTORY
	BASS SHOE OUTLET
	CAPE ISLE KNITTERS
	CHICAGO CUTLERY
	COLA HAAN FOOTWARE
	FAMOUS BRANDS HOUSEWARES
	FRESH CONNECTION
	GEOFFREY BEENE
	HE RO GROUP
	HIGH PERFORMANCE SPORTS
	I B DIFFUSION
	I E SIDE I
	J H COLLECTIBLES
	JONES NEW YORK FACTORY STORE
	LAKE ELSINORE OUTLET CTR
	LEATHER LOFT
	LEGGS HANES BALI
	LESLIE FAY CO
	LIZ CLAIBORNE INC
	LONDON FOG FACTORY STORE
	MAGNIFIQUE PERFUMES & COSMETIC
	MARIKA
	NATHAN J FACTORY OUTLET STORE
	NIKE FACTORY STORE
	ONEIDA FACTORY STORE
	SBICCA SHOES
	SOCKS GALORE
	TURNER, STEVE
	VAN HEUSEN FACTORY OUTLET
	WALLET WORKS
	WELCOME HOME
	WHIMS
17999	E Z PRODUCTS
18170	ELSINORE VALLEY CEMETERY
18171	LAKE ELSINORE PIPE & SUPPLY
18181	CITY AUTO WRECKING
18301	LAITY, K D
	LAKELAND MARINE
	MICO
	SCHALLERT ENTERPRISES
18570	MOORHEAD, ROBERT D
18574	GREENLEE, HOWARD
18630	DAVIS PATIO DOORS
	DAVIS SCREEN & MIRROR
	FC SWISS REVISION
	FILTERS PLUS INC
	JNB TRUCKWORKS
	LAKE ELSINORE AUTO PARTS INC

Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 1995 (Cont'd)

18630 MARSHALL INSTALLATIONS
MOBILE SCREEN SHOP
UPHOLSTERY CREATIONS BY ZADA
WEST COAST SPLICING SUPPLY
18650 GENTRY WOODS
LEWIS, JOHN
MIKE PAYNE & ASSOC INC
18740 CROWE, FRED

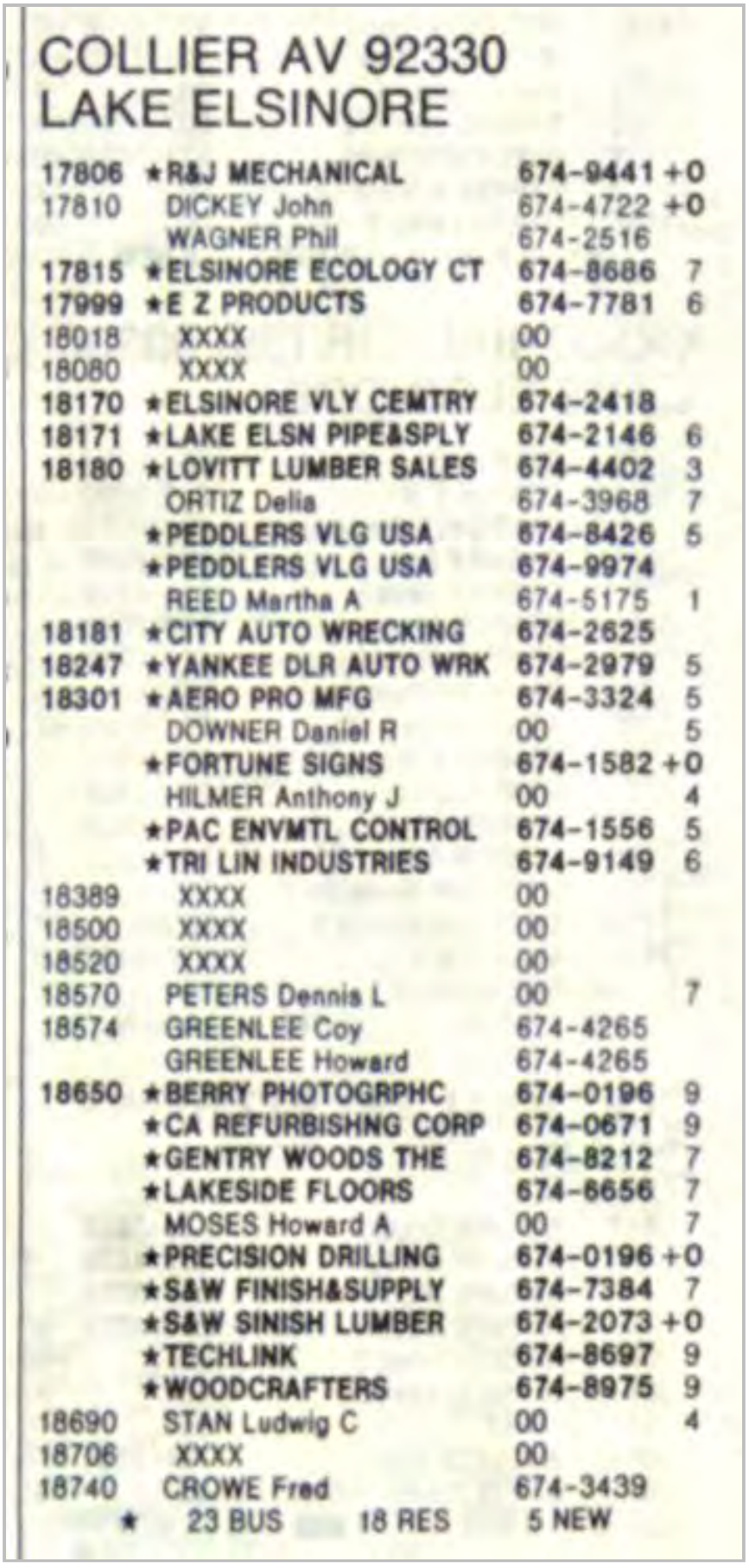
Target Street	Cross Street	Source
✓	-	Cole Information Services

COLLIER AVE 1992

17600	BIRTCHER CONSTR
	MARTIN, DANIEL
17999	E Z PRODUCTS
18170	ELSINORE VLY CEMTRY
18171	LAKE ELSN PIPE&SPLY
18181	CITY AUTO WRECKING
18301	AERO PRO MFG
	JOHNSON ALUM FNDRY
	PAC ENVMTL CONTROL
	SCHALLERT ENTPRS
18570	MOORHEAD, ROBERT D
18574	GREENLEE, HOWARD
18630	ARTISTIC IMPRESSION
	FILTERS PLUS INC
	FRANK H AYRES&SONS
	K&H FINE FOODS
	LUKACS ENGINEERING
	MARSHALL INSTALLTNS
	SCREEN DSGN SPCLTY
	WINDSOR HOMES
18650	ALANS POWER EQUIP
	BERRY PHOTOGRPHC
	CA REFURBISHNG CORP
	GENTRY WOODS THE
	MILMEYER PRECISION
	S&W FINISH LMBR&SPL
18740	CROWE, FRED

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

COLLIER AVE 1990



COLLIER AV 92330
LAKE ELSINORE

17806	★R&J MECHANICAL	674-9441	+0
17810	DICKEY John	674-4722	+0
	WAGNER Phil	674-2516	
17815	★ELSINORE ECOLOGY CT	674-8686	7
17999	★E Z PRODUCTS	674-7781	6
18018	XXXX	00	
18080	XXXX	00	
18170	★ELSINORE VLY CEMTRY	674-2418	
18171	★LAKE ELSN PIPE&SPLY	674-2146	6
18180	★LOVITT LUMBER SALES	674-4402	3
	ORTIZ Delia	674-3968	7
	★PEDDLERS VLG USA	674-8426	5
	★PEDDLERS VLG USA	674-9974	
	REED Martha A	674-5175	1
18181	★CITY AUTO WRECKING	674-2625	
18247	★YANKEE DLR AUTO WRK	674-2979	5
18301	★AERO PRO MFG	674-3324	5
	DOWNER Daniel R	00	5
	★FORTUNE SIGNS	674-1582	+0
	HILMER Anthony J	00	4
	★PAC ENVMTL CONTROL	674-1556	5
	★TRI LIN INDUSTRIES	674-9149	6
18389	XXXX	00	
18500	XXXX	00	
18520	XXXX	00	
18570	PETERS Dennis L	00	7
18574	GREENLEE Coy	674-4265	
	GREENLEE Howard	674-4265	
18650	★BERRY PHOTOGRPHC	674-0196	9
	★CA REFURBISHNG CORP	674-0671	9
	★GENTRY WOODS THE	674-8212	7
	★LAKESIDE FLOORS	674-6656	7
	MOSES Howard A	00	7
	★PRECISION DRILLING	674-0196	+0
	★S&W FINISH&SUPPLY	674-7384	7
	★S&W SINISH LUMBER	674-2073	+0
	★TECHLINK	674-8697	9
	★WOODCRAFTERS	674-8975	9
18690	STAN Ludwig C	00	4
18706	XXXX	00	
18740	CROWE Fred	674-3439	

★ 23 BUS 18 RES 5 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

COLLIER AVE 1985

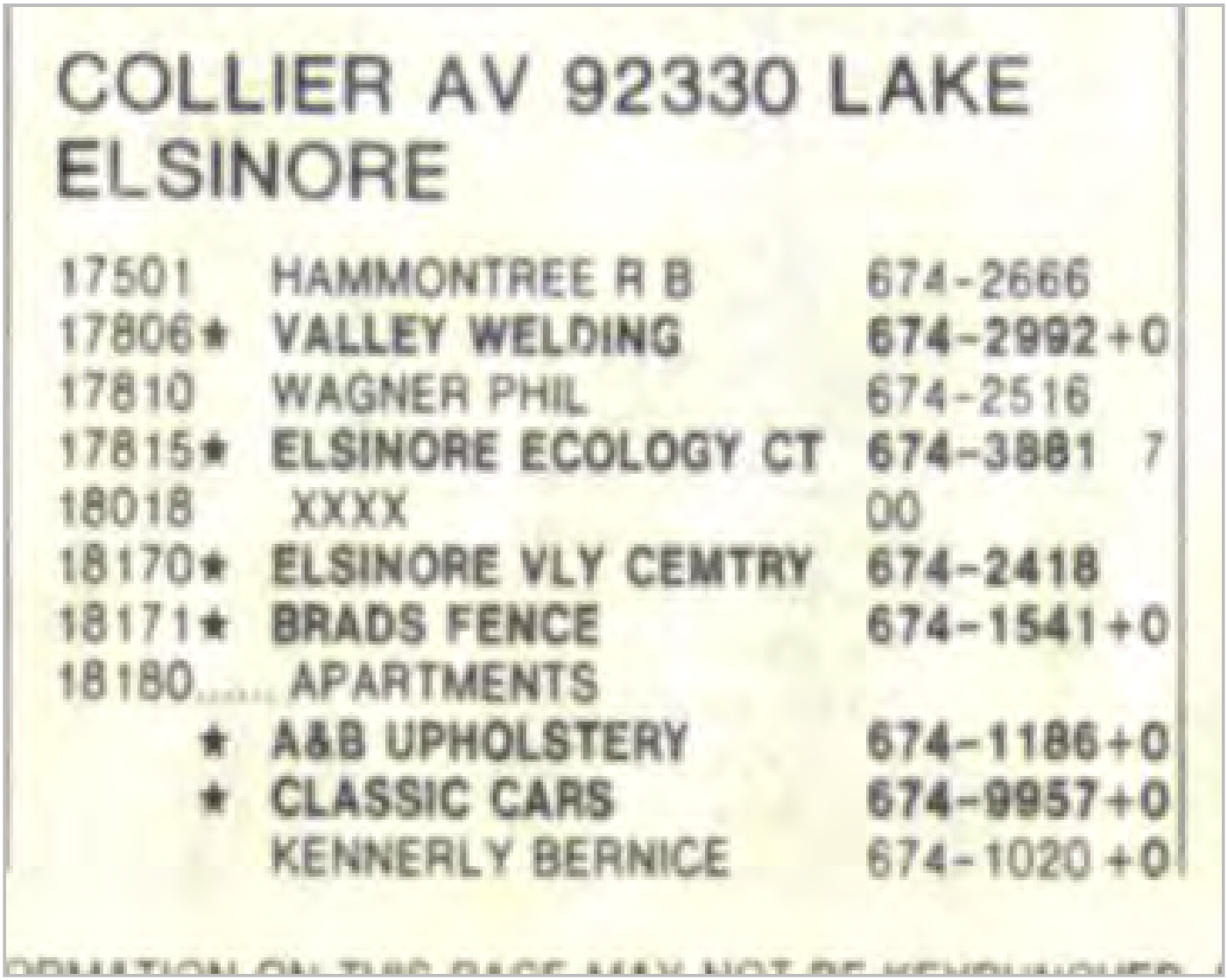
COLLIER AV 92330
LAKE ELSINORE

17501	HAMMONTREE R B	674-2666	
17806	XXXX	00	
17810	JACKSON RALPH	674-4802	+5
	WAGNER PHIL	674-2516	
17815	ELSINORE ECOLOGY CT	674-3881	4
18018	XXXX	00	
18080	XXXX	00	
18170	ELSINORE VLY CEMTRY	674-2418	
18171	XXXX	00	
18180	CLEAN VLY RCYCLNG	674-4333	1
	DRIGGERS LOYD	674-9367	+5
	GARDNER ROSALIE	674-9279	3
	LOVITT LUMBER SALES	674-4402	3
	PEDDLERS VILLGE USA	674-9974	7
	PEDDLERS VLG USA	674-8426	+5
	REED MARTHA A	674-5175	1
18180½	REED D V	674-2296	8
18181	CITY AUTO WRECKING	674-2625	7
18247	YANKEE DLR AUTO WRK	674-2979	+5
18301	AERO PRO MFG	674-3324	+5
	PAC ENVRNMNTL CNTRL	674-1556	+5
	STRECH PLASTICS	674-7817	+5
18389	XXXX	00	
18500	HODGSON BUD	674-3762	
18520	WATKINS OSCAR	674-4000	+5
18570	KAWICK RUDY	674-2829	
18574	GREENLEE HOWARD	674-4265	9
18650	KLINE EQUIPMENT CO	674-4442	
	KLINE TIRE&EQPT	674-4442	2
18706	XXXX	00	
18740	CROWE FRED	674-3439	
29674	GARCIA J H	674-7537	+5

* 14 BUS 18 RES 9 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

COLLIER AVE 1980

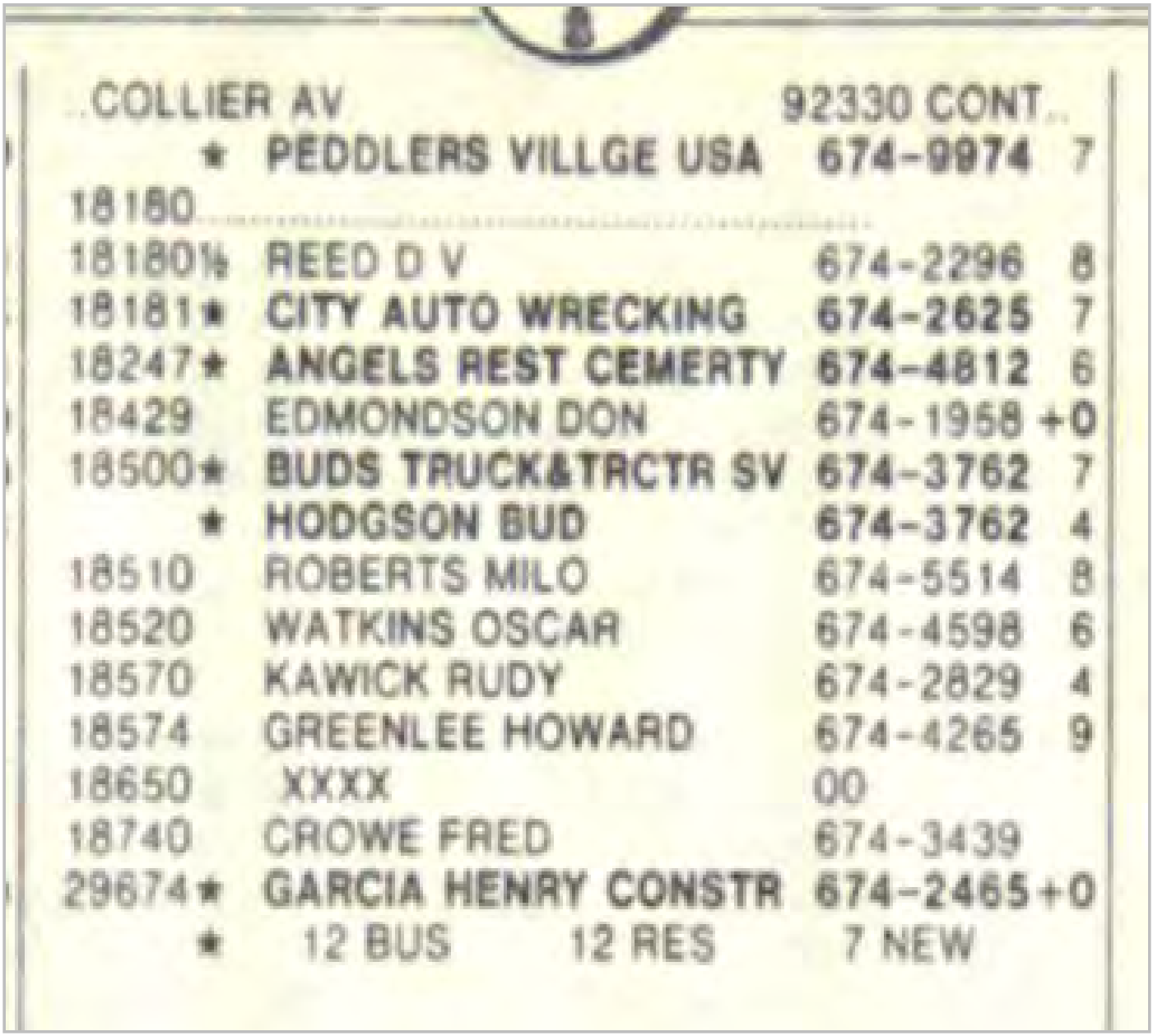


COLLIER AV 92330 LAKE ELSINORE

17501	HAMMONTREE R B	674-2666
17806*	VALLEY WELDING	674-2992+0
17810	WAGNER PHIL	674-2516
17815*	ELSINORE ECOLOGY CT	674-3881 7
18018	XXXX	00
18170*	ELSINORE VLY CEMTRY	674-2418
18171*	BRADS FENCE	674-1541+0
18180.....	APARTMENTS	
*	A&B UPHOLSTERY	674-1186+0
*	CLASSIC CARS	674-9957+0
	KENNERLY BERNICE	674-1020+0

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

COLLIER AVE 1980

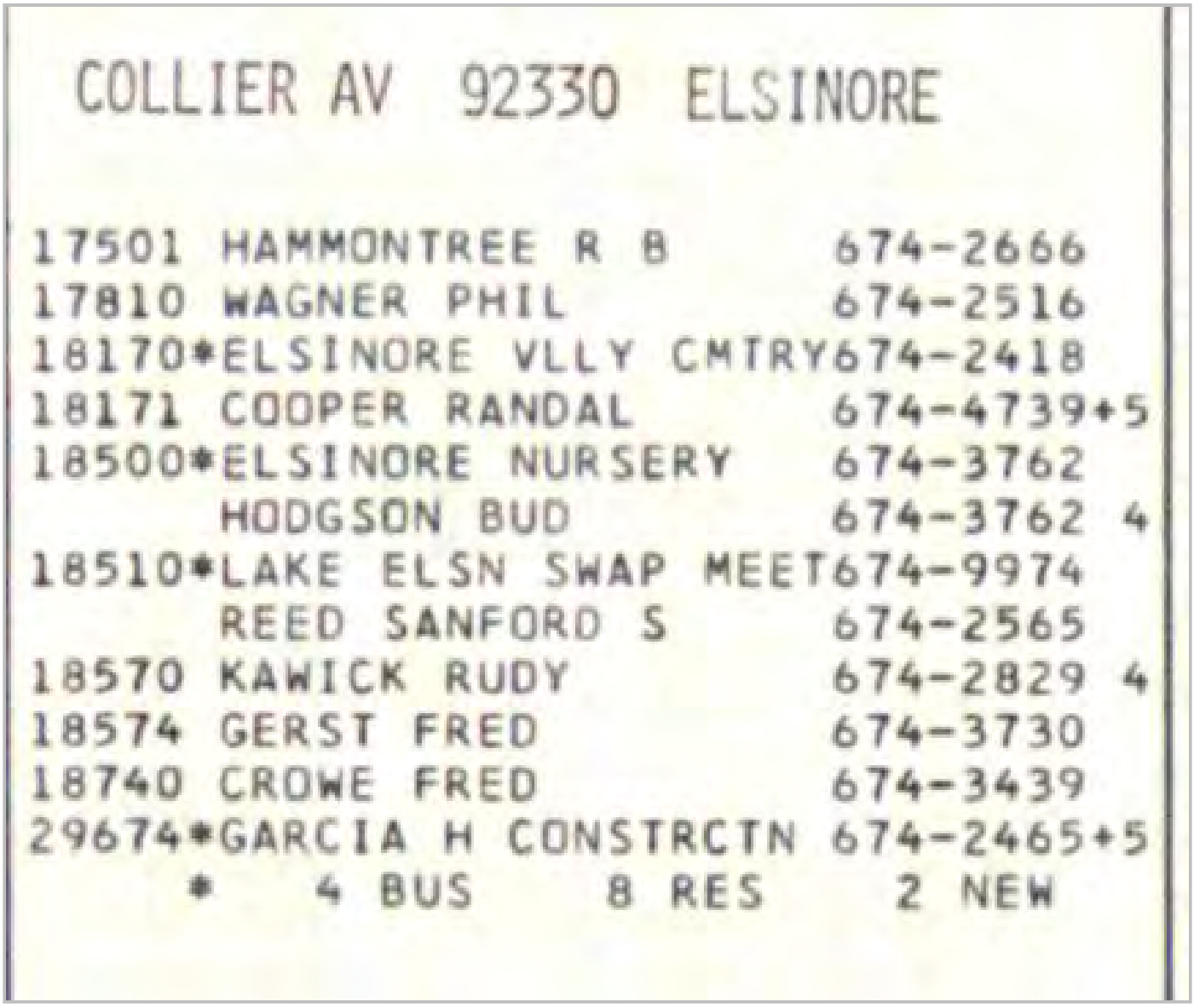


COLLIER AV 92330 CONT..

*	PEDDLERS VILLGE USA	674-9974	7
18180			
18180½	REED D V	674-2296	8
18181*	CITY AUTO WRECKING	674-2625	7
18247*	ANGELS REST CEMERTY	674-4812	6
18429	EDMONDSON DON	674-1958	+0
18500*	BUDS TRUCK&TRCTR SV	674-3762	7
*	HODGSON BUD	674-3762	4
18510	ROBERTS MILO	674-5514	8
18520	WATKINS OSCAR	674-4598	6
18570	KAWICK RUDY	674-2829	4
18574	GREENLEE HOWARD	674-4265	9
18650	XXXX	00	
18740	CROWE FRED	674-3439	
29674*	GARCIA HENRY CONSTR	674-2465	+0
*	12 BUS 12 RES	7 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

COLLIER AVE 1975



COLLIER AV 92330 ELSINORE

17501 HAMMONTREE R B 674-2666
17810 WAGNER PHIL 674-2516
18170*ELSINORE VLLY CMTRY674-2418
18171 COOPER RANDAL 674-4739+5
18500*ELSINORE NURSERY 674-3762
HODGSON BUD 674-3762 4
18510*LAKE ELSN SWAP MEET674-9974
REED SANFORD S 674-2565
18570 KAWICK RUDY 674-2829 4
18574 GERST FRED 674-3730
18740 CROWE FRED 674-3439
29674*GARCIA H CONSTRCTN 674-2465+5
* 4 BUS 8 RES 2 NEW

Zamora Automotive-Vacant Land

Collier Avenue

Lake Elsinore, CA 92532

Inquiry Number: 4900778.3

April 06, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/06/17

Site Name:

Zamora Automotive-Vacant Lai
Collier Avenue
Lake Elsinore, CA 92532
EDR Inquiry # 4900778.3

Client Name:

ATC Group Services LLC
25 Cupania Circle
Monterey Park, CA 91755
Contact: Victoria Rojo

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Sanborn® Library search results

Certification #: BAE4-4E20-BDC6

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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Zamora Automotive-Vacant Land
Collier Avenue
Lake Elsinore, CA 92532

Inquiry Number: 4900778.7
April 10, 2017

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search 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

Collier Avenue
Zamora Automotive-Vacant Land
Lake Elsinore, CA 92532

RESEARCH SOURCE

Source 1:

Riverside Recorder
Riverside, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	Northern Trust Trustee
Title received from:	Robert L Cartier Trustee
Deed Dated	7/15/2009
Deed Recorded:	7/30/2009
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Northern Trust Trustee
Parcel # / Property Identifier:	377-080-053, 377-080-057, 377-080-079
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

Deed Exhibit 1

DOC # 2009-0398352
07/30/2009 08:00A Fee:51.00
Page 1 of 15
Recorded in Official Records
County of Riverside
Larry W. Ward
Assessor, County Clerk & Recorder

RECORDING REQUESTED BY,
WHEN RECORDED MAIL TO,
AND MAIL TAX STATEMENTS TO:

Robert L. Cartier Trust
c/o Northern Trust, NA
355 S. Grand Avenue, Suite 2600
Los Angeles, CA 90071

S	R	U	PAGE	SIZE	DA	MISC	LONG	RFD	COPY
1			15						1
M	A	L	465	426	PCOR	NCOR	SMF	NCHG	EXAM 051
SN	PUBLIC RECORD				T	CTY		UNI	

_____ SPACE ABOVE THIS LINE FOR RECORDER'S USE _____ 52

C
051

AFFIDAVIT – DEATH OF TRUSTEE

COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

APNs: 377-080-057-3; 377-080-053-9; 377-080-079-3;
378-283-006-1 and 378-283-007-2;
378-283-009-4;
378-284-012-9 and 378-284-013-0;
378-284-015-2 and 378-284-016-3
378-284-018-5;
378-284-022-8;
378-285-001-2;
378-286-001-5; 378-286-002-6; 378-286-003-7; 378-286-004-8; 378-286-005-9;
378-286-006-0; 378-286-007-1; and 378-284-017-4;
378-286-008-2;
378-284-005-3 and 378-284-004-2;
378-284-021-7;
390-270-007-2;
390-270-009-4;
668-280-015-0.

The undersigned, THOMAS M. MENDELSON, hereby declares:

1. ROBERT L. CARTIER, as Trustor and as Trustee, established a revocable inter vivos trust under DECLARATION OF TRUST dated June 29, 1986 (the "Trust").

2. The Trust was amended on August 4, 1993, September 22, 1994, December 5, 1994 and November 8, 1995.

3. Trustor ROBERT L. CARTIER died on May 14, 2008. A certified copy of his death certificate is attached hereto and incorporated herein by reference.

4. Upon the death of ROBERT L. CARTIER, NORTHERN TRUST, NA [successor to Northern Trust Bank of California, N.A.] became the sole Trustee of the Trust.

5. The decedent named in the attached certified copy of Certificate of Death is the same person named as the Trustee of the Trust and is the same person named as the grantee in those certain Grant Deeds identified in the attached **Exhibit "A"**, incorporated herein

by this reference, which Grant Deeds were recorded in the Official Records of Riverside County, California, conveying to Robert L. Cartier, as Trustee of the Trust, an interest in each of the real properties described on the attached **Exhibit "A"**, all of which are situated in Riverside County, California.

6. NORTHERN TRUST, NA has accepted appointment as successor Trustee of the Trust, pursuant to the terms of which title to the real property described above passed to it as successor Trustee.

7. The Trust was in full force and effect upon the death of ROBERT L. CARTIER, and since such time has not been amended in a manner inconsistent with the statements made in this Affidavit – Death of Trustee.

8. This Affidavit-Death of Trustee is recorded to establish that the successor Trustee of the Trust is NORTHERN TRUST, NA by reason of the provisions of the Trust.

Date: July 15, 2009

THOMAS M. MENDELSON, Senior Vice President, Northern Trust, NA

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Date: July 15, 2009

THOMAS M. MENDELSON, Senior Vice President, Northern Trust, NA

Place of Execution: Los Angeles, California

State: California
County: Riverside
Doc Type: Document - Year.DocID
Description: 2009.398352
Page: 3

The page you requested is a Vital Record and is not available online. Data Tree is committed to the privacy and protection of our customers and consumers. We are in the process of voluntarily restricting access to all pages that contain Vital Record information. We believe that such efforts reflect best practices to enhance and improve corporate responsibility, as well as to provide a valuable service to our customers and consumers.

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1-800-708-8463

AFFIDAVIT – DEATH OF TRUSTEE

COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

EXHIBIT "A"

1.	Commonly known as:	Unimproved Lots in Lake Elsinore, CA
	APN:	377-080-057-3; 377-080-053-9; 377-080-079-3
	Grantor:	Robert Lawrence Cartier, a unmarried man as to an undivided one-half (1/2) interest; and Rodney David Cartier, a married man as his sole and separate property, as to an undivided one-half (1/2) interest
	Grantee:	Robert L. Cartier, as Trustee, UDT (Under Declaration of Trust) dated June 29, 1986 as to an undivided one-half (1/2) interest; and Rodney D. Cartier, Trustee of the Rodney D. Cartier Separate Property Trust, Dated September 25, 2007, as to an undivided one-half (1/2) interest, all as Tenants in Common
	Date Grant Deed Executed:	October 4, 2007
	Date Grant Deed Recorded:	October 12, 2007
	Document Number:	2007-0635045
	Legal Description:	Lots 12 and 13 of Wall's First Addition to Elsinore, as shown by Map on file in Book 13, page 620 of Maps, San Diego County Records; EXCEPTING therefrom the Northwesterly 62 feet of said Lot 12 as conveyed to Patrick Gallagher and Rose A. Gallagher, husband and wife, by deed recorded August 14, 1929 in Book 821, page 432 of Deeds; ALSO EXCEPTING therefrom that portion thereof conveyed to the State of California for highway purposes, by Deed recorded January 17, 1956 in Book 1848, page 122 of Official Records. ALSO EXCEPTING therefrom that portion thereof conveyed to the Riverside County Flood Control and Water Conservation District by Deed recorded January 26, 1994, Instrument number 034739 in the Office of the Recorder, Riverside County, California.

2.	Commonly known as:	Unimproved Lots in Lake Elsinore, CA
	APN:	378-283-006-1 and 378-283-007-2
	Grantor:	Robert Lawrence Cartier, a unmarried man as to an undivided one-half (1/2) interest; and Rodney David Cartier, a married man as his sole and separate property, as to an undivided one-half (1/2) interest
	Grantee:	Robert L. Cartier, as Trustee, UDT (Under Declaration of Trust) dated June 29, 1986 as to an undivided one-half (1/2) interest; and Rodney D. Cartier, Trustee of the Rodney D. Cartier Separate Property Trust, Dated September 25, 2007, as to an undivided one-half (1/2) interest, all as Tenants in Common
	Date Grant Deed Executed:	October 4, 2007
	Date Grant Deed Recorded:	October 12, 2007
	Document Number:	2007-0635039
	Legal Description:	Lots 33 and 34 of Flor Del Largo, Unit 1, as shown by Map on file in Book 14, page 18 of Maps, Riverside County Records.

3.	Commonly known as:	Unimproved Lot in Lake Elsinore, CA
	APN:	378-283-009-4
	Grantor:	Robert Lawrence Cartier, a unmarried man as to an undivided one-half (1/2) interest; and Rodney David Cartier, a married man as his sole and separate property, as to an undivided one-half (1/2) interest
	Grantee:	Robert L. Cartier, as Trustee, UDT (Under Declaration of Trust) dated June 29, 1986 as to an undivided one-half (1/2) interest; and Rodney D. Cartier, Trustee of the Rodney D. Cartier Separate Property Trust, Dated September 25, 2007, as to an undivided one-half (1/2) interest, all as Tenants in Common
	Date Grant Deed Executed:	October 4, 2007
	Date Grant Deed Recorded:	October 12, 2007

	Document Number:	2007-0635031
	Legal Description:	Lot 192 of County Club Estates Unit No. 2, as per Map recorded in Book 11, Page 100 of Maps, in the office of the County Recorder of Riverside County, California
4.	Commonly known as:	Unimproved Lots in Lake Elsinore, CA
	APN:	378-284-012-9 and 378-284-013-0
	Grantor:	Robert Lawrence Cartier, a unmarried man as to an undivided one-half (1/2) interest; and Rodney David Cartier, a married man as his sole and separate property, as to an undivided one-half (1/2) interest
	Grantee:	Robert L. Cartier, as Trustee, UDT (Under Declaration of Trust) dated June 29, 1986 as to an undivided one-half (1/2) interest; and Rodney D. Cartier, Trustee of the Rodney D. Cartier Separate Property Trust, Dated September 25, 2007, as to an undivided one-half (1/2) interest, all as Tenants in Common
	Date Grant Deed Executed:	October 4, 2007
	Date Grant Deed Recorded:	October 12, 2007
	Document Number:	2007-0635042
	Legal Description:	Lots 23 and 24 of Flor Del Largo, Unit 1, in the County of Riverside and State of California, as shown by Map on file in Book 14, page 18 of Maps, Records of Riverside County, California EXCEPTING from said Lot 24 that portion described as follows: BEGINNING at the most Westerly corner of said Lot; thence Southeasterly along the Southwesterly line of said Lot, 61.02 feet, more or less, to the Southeasterly corner thereof; thence Northeasterly along the Southeasterly line of said Lot, 121.10 feet; thence Northwesterly and parallel with the Southwesterly line of said Lot to a point on the Northwesterly line thereof; thence Southwesterly along the Northwesterly line of said Lot, 121.10 feet, more or less, to the point of beginning.

5.	Commonly known as:	Unimproved Lots in Lake Elsinore, CA
	APN:	378-284-015-2; and 378-284-016-3
	Grantor:	Robert Lawrence Cartier, a unmarried man as to an undivided one-half (1/2) interest; and Rodney David Cartier, a married man as his sole and separate property, as to an undivided one-half (1/2) interest
	Grantee:	Robert L. Cartier, as Trustee, UDT (Under Declaration of Trust) dated June 29, 1986 as to an undivided one-half (1/2) interest; and Rodney D. Cartier, Trustee of the Rodney D. Cartier Separate Property Trust, Dated September 25, 2007, as to an undivided one-half (1/2) interest, all as Tenants in Common
	Date Grant Deed Executed:	October 4, 2007
	Date Grant Deed Recorded:	October 12, 2007
	Document Number:	2007-0635073
	Legal Description:	Lots 26 and 27 of Flor Del Lago, as shown by Map on file in Book 14, page 18 of Maps, Riverside County Records
6.	Commonly known as:	Unimproved Lots in Lake Elsinore, CA
	APN:	378-284-018-5
	Grantor:	Robert Lawrence Cartier, a unmarried man as to an undivided one-half (1/2) interest; and Rodney David Cartier, a married man as his sole and separate property, as to an undivided one-half (1/2) interest
	Grantee:	Robert L. Cartier, as Trustee, UDT (Under Declaration of Trust) dated June 29, 1986 as to an undivided one-half (1/2) interest; and Rodney D. Cartier, Trustee of the Rodney D. Cartier Separate Property Trust, Dated September 25, 2007, as to an undivided one-half (1/2) interest, all as Tenants in Common
	Date Grant Deed Executed:	October 4, 2007
	Date Grant Deed Recorded:	October 12, 2007

	Document Number:	2007-0635043
	Legal Description:	That portion of Lot 24 of Flor Del Lago Subdivision as shown by Map on file in Book 14, page 18 of Maps, Records of Riverside County, State of California, particularly described as follows: BEGINNING at the most Westerly corner of said Lot; thence Southeasterly along the Southwesterly line of said Lot, 61.02 feet, more or less to the Southerly corner thereof; thence Northeasterly along the Southeasterly line of said Lot 121.10 feet; thence Northwesterly and parallel with the Southwesterly line of said Lot to a point on the Northwesterly line thereof; thence Southwesterly along the Northwesterly line of said Lot, 121.10 feet, more or less to the point of beginning.
7.	Commonly known as:	Unimproved Lots in Lake Elsinore, CA
	APN:	378-284-022-8
	Grantor:	Robert Lawrence Cartier, a unmarried man as to an undivided one-half (1/2) interest; and Rodney David Cartier, a married man as his sole and separate property, as to an undivided one-half (1/2) interest
	Grantee:	Robert L. Cartier, as Trustee, UDT (Under Declaration of Trust) dated June 29, 1986 as to an undivided one-half (1/2) interest; and Rodney D. Cartier, Trustee of the Rodney D. Cartier Separate Property Trust, Dated September 25, 2007, as to an undivided one-half (1/2) interest, all as Tenants in Common
	Date Grant Deed Executed:	October 4, 2007
	Date Grant Deed Recorded:	October 12, 2007
	Document Number:	2007-0635044
	Legal Description:	Lot 20 of Flor Del Lago Unit 1, County of Riverside, State of California, as per Map recorded in Book 14, page 18 of Maps, in the Office of the County Recorder of said County

8.	Commonly known as:	Unimproved Lot in Lake Elsinore, CA
	APN:	378-285-001-2
	Grantor:	Robert Lawrence Cartier, a unmarried man as to an undivided one-half (1/2) interest; and Rodney David Cartier, a married man as his sole and separate property, as to an undivided one-half (1/2) interest
	Grantee:	Robert L. Cartier, as Trustee, UDT (Under Declaration of Trust) dated June 29, 1986 as to an undivided one-half (1/2) interest; and Rodney D. Cartier, Trustee of the Rodney D. Cartier Separate Property Trust, Dated September 25, 2007, as to an undivided one-half (1/2) interest, all as Tenants in Common
	Date Grant Deed Executed:	October 4, 2007
	Date Grant Deed Recorded:	October 12, 2007
	Document Number:	2007-0635036
	Legal Description:	Lot 19 of Flor Del Lago Unit No. 1, County of Riverside, State of California, as per Map recorded in Book 14, page 18 of Maps, in the Office of the County Recorder of said County.
9.	Commonly known as:	Unimproved Lots in Lake Elsinore, CA
	APN:	378-286-001-5; 378-286-002-6; 378-286-003-7; 378-286-004-8; 378-286-005-9; 378-286-006-0; 378-286-007-1; and 378-284-017-4
	Grantor:	Robert Lawrence Cartier, a unmarried man as to an undivided one-half (1/2) interest; and Rodney David Cartier, a married man as his sole and separate property, as to an undivided one-half (1/2) interest
	Grantee:	Robert L. Cartier, as Trustee, UDT (Under Declaration of Trust) dated June 29, 1986 as to an undivided one-half (1/2) interest; and Rodney D. Cartier, Trustee of the Rodney D. Cartier Separate Property Trust, Dated September 25, 2007, as to an undivided one-half (1/2) interest, all as Tenants in Common
	Date Grant Deed Executed:	October 4, 2007

	Date Grant Deed Recorded:	October 12, 2007
	Document Number:	2007-0635069
	Legal Description:	Lots 4, 5, 6, 7, 8, 9, 10 and 25 of Flor Del Lago Unit No. 1, as shown by Map on file in Book 14, page 18 of Maps, Riverside County Records.
10.	Commonly known as:	Unimproved Lot in Lake Elsinore, CA
	APN:	378-286-008-2
	Grantor:	Robert Lawrence Cartier, a unmarried man as to an undivided one-half (1/2) interest; and Rodney David Cartier, a married man as his sole and separate property, as to an undivided one-half (1/2) interest
	Grantee:	Robert L. Cartier, as Trustee, UDT (Under Declaration of Trust) dated June 29, 1986 as to an undivided one-half (1/2) interest; and Rodney D. Cartier, Trustee of the Rodney D. Cartier Separate Property Trust, Dated September 25, 2007, as to an undivided one-half (1/2) interest, all as Tenants in Common
	Date Grant Deed Executed:	October 4, 2007
	Date Grant Deed Recorded:	October 12, 2007
	Document Number:	2007-0635037
	Legal Description:	Lot 11 of Flor Del Lago Unit No. 1, County of Riverside, State of California, as per Map recorded in Book 14, page 18 of Maps, in the Office of the County Recorder of said County.
11.	Address:	Vacant land in Riverside County, California
	APN:	378-284-005-3 and 378-284-004-2
	Grantor:	George J. D'Amico, a single man
	Grantee:	Robert L. Cartier, Trustee of the Robert L. Cartier Trust dated 6/29/86

	Date Grant Deed Executed:	February 10, 2006
	Date Grant Deed Recorded:	February 23, 2006
	Document Number:	2006-0132448
	Legal Description:	Lot(s) 115 & 116, of Tract No. 1, Unit 8, Country Club Heights, as shown by Map on file in Book 18, Page(s) 24, inclusive of Maps, Records of Riverside County, California
12.	Address:	Vacant land in Riverside County, California
	APN:	378-284-021-7
	Grantor:	Albert L. Grim, trustee of the Albert L. and Wanda E. Grim 2001 Trust
	Grantee:	Robert L. Cartier, trustee of the Robert L. Cartier Trust dated June 29, 1986
	Date Grant Deed Executed:	May 4, 2005
	Date Grant Deed Recorded:	July 6, 2005
	Document Number:	2005-0536315
	Legal Description:	Lot(s) 21, of Tract No. Flor Del Lago, Unit No. 1, as shown by Map on file in Book 14, Page(s) 18, inclusive of Maps, Records of Riverside County, California . Excepting therefrom that portion described as follows: Beginning at a point on the Southwesterly line of said lot which bears 20.33 feet Northwesterly from the most Southerly corner thereof; thence North 36° 57' East 90.34 feet; thence North 53° West, 30 feet, more or less, to a point on the Northwesterly line of said Lot; thence Southwesterly on said Northwesterly line to the most Westerly corner of said Lot 21; thence Southeasterly on the Southwesterly line of said lot to the point of beginning.

13. Commonly known as: Land is located in the unincorporated area of Riverside County, California

APN: 390-270-007-2

Grantor: Robert L. Cartier, an unmarried man

Grantee: Robert L. Cartier as Trustee of The Robert L. Cartier Trust UDT Dated June 29, 1986

Date Grant Deed Executed: June 29, 2006

Date Grant Deed Recorded: June 30, 2006

Document Number: 2006-0475715

Legal Description: THAT PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 24, TOWNSHIP 5 SOUTH, RANGE 5 WEST, SAN BERNARDINO MERIDIAN AS SHOWN BY UNITED STATES GOVERNMENT SURVEY, LYING EASTERLY OF THE FOLLOWING DESCRIBED LINES:

BEGINNING AT THE SOUTHEAST CORNER OF THAT CERTAIN PARCEL OF LAND DESCRIBED IN FINAL ORDER OF CONDEMNATION RECORDED AS INSTRUMENT NO. 13573 ON JANUARY 23, 1983 OFFICIAL RECORDS OF SAID COUNTY, SAID POINT OF BEGINNING BEING THE SOUTHERLY TERMINUS OF THE COURSE DESCRIBED AS:

'SOUTH 25° 10' 16" EAST 578.93 FEET' IN SAID FINAL ORDER OF CONDEMNATION AND ALSO BEING ON THE NORTHERLY LINE OF SAID SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER; THENCE "COURSE A": SOUTH 25° 10' 16" EAST 63.20 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 2,500 FEET; THENCE "COURSE B": SOUTHERLY ALONG SAID CURVE THROUGH AN ANGLE OF 7° 50' 24", A DISTANCE OF 342.08 FEET;
THENCE "COURSE C": SOUTH 17° 19' 52" EAST 463.96 FEET
THENCE "COURSE D": SOUTH 32° 54' 30" EAST 429.50 FEET TO THE EASTERLY LINE OF SAID SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER.

14.	Commonly known as:	Land is situated in the unincorporated area of Riverside County, California
	APN:	390-270-009-4
	Grantor:	Robert L. Cartier, an unmarried man
	Grantee:	Robert L. Cartier as Trustee of The Robert L. Cartier Trust UDT Dated June 29, 1986
	Date Grant Deed Executed:	June 29, 2005 (per "Document Date") June 29, 2006 (per Notary)
	Date Grant Deed Recorded:	June 30, 2006
	Document Number:	2006-0475716
	Legal Description:	THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER AND NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 24, TOWNSHIP 5 SOUTH, RANGE 5 WEST, SAN BERNARDINO BASE AND MERIDIAN, AS SHOWN BY UNITED STATES GOVERNMENT SURVEY. EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE STATE OF CALIFORNIA BY DEED RECORDED JANUARY 10, 1957, AS INSTRUMENT NO. 2180 RECORDS OF RIVERSIDE COUNTY. ALSO EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE STATE OF CALIFORNIA BY FINAL ORDER OF CONDEMNATION RECORDED JANUARY 23, 1981 AS INSTRUMENT NO. 13573 OFFICIAL RECORDS OF RIVERSIDE COUNTY. Said land is also situated in the unincorporated area of Riverside County.
15.	Also known as:	approx. 18.36 acres on Karen & Dillon
	APN:	668-280-015-0
	Grantor:	Tri-State Associates, a California Limited Partnership

Grantee:	Robert L. Cartier, as Trustee, UDT (under declaration of Trust) Dated June 29, 1986, Wherein Robert L. Cartier is the Trustor, or any Successor Trustee Thereunder
Date Grant Deed Executed:	November 21, 2006
Date Grant Deed Recorded:	November 28, 2006
Document Number:	2006-0871202
Legal Description:	Parcel 4 and Lettered Lots D & H of Parcel Map 11456 as shown by map on file recorded in Book 55, Pages 27 and 28 of maps in the office of the County Recorder of Riverside County, California

077156, 000008, 102847086.2

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

STATE OF CALIFORNIA)
) ss.
COUNTY OF Los Angeles)

On July 21, 2009 (Date), before me, Bernadette A. Breckinridge (Name of Notary Public),

Notary Public, personally appeared THOMAS M. MENDELSON (Name of Signer(s)),

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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.

BERNADETTE A. BRECKINRIDGE
Commission # 1686295
Notary Public - California
Los Angeles County
My Comm. Expires Aug 5, 2010

WITNESS my hand and official seal.

Bernadette A. Breckinridge
Signature of Notary Public

OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

CAPACITY CLAIMED BY SIGNER

- ☐ Individual
- ☐ Corporate Officer

_____
Title(s)

- ☐ Partner(s) ☐ Limited ☐ General
- ☐ Attorney-In-Fact
- ☒ Trustee(s)
- ☐ Guardian/Conservator
- ☐ Other: _____

Signer is representing:
Name Of Person(s) Or Entity(ies)

_____

_____

DESCRIPTION OF ATTACHED DOCUMENT

Affidavit - Death of Trustee
Title or Type of Document

_____
Number Of Pages

_____
Date Of Document

_____
Signer(s) Other Than Named Above

Victoria Rojo

From: Luz Reyes <lreyes@Lake-Elsinore.org>
Sent: Friday, April 07, 2017 11:32 AM
To: Victoria Rojo
Cc: Diana Girón
Subject: Public Records Request No. 2017-161 Permits

Ms. Rojo:

This e-mail is in response to your Public Records Request No. 2017-161 for building permits for APN 377-080-053, 377-080-057, and 377-080-079. Please be advised that the Building & Safety Division does not have any building permits on these APNs as they are empty lots. Should you have any questions regarding this information, please contact the Building & Safety Division at (951) 674-3124, option 1.

This request has been marked complete and has been closed out.

Respectfully,

Luz Reyes
Office Specialist II
City Clerk's Office
City of Lake Elsinore
PH: (951) 674-3124 Ext. 269

ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

25 Cupania Circle
Monterey Park, California 91755
Telephone 323-517-9780
Fax 323-517-9781
www.atcgroupservices.com

April 12, 2017

County of Riverside – Department of Environmental Health
Hazardous Materials Management Division
ATTN: Records Clerk

4065 County Circle Drive, Room 104
P.O. Box 7489
Riverside, California 92513-7489
Phone: 951/358-5055
Fax: 951/358-5017

Re: Records Search Request

Dear Sir/Madam:

Please commence a records search for any aboveground storage tank, underground storage tank or hazardous materials information that you may have for the following site:

APNs 377-080-53, 377-080-57, and 377-080-079
Approx. 1,250 feet southeast of the intersection of Central and Collier Avenues
Lake Elsinore, CA 92532

Please let us know as soon as possible when the search has been completed. Thank you for your prompt attention to this matter. Please feel free to call if you have any questions.

Sincerely,

Victoria Rojo

Victoria Rojo
Staff Scientist
for ATC
Direct Line +1 (323) 517-9656
Email: victoria.rojo@atcassociates.com

The Water Quality Report

Elsinore Valley Municipal Water District welcomes you to The 2015 Water Quality Report

WELCOME

- Message From The General Manager
- Improvement Projects
- Rebate Programs
- Reducing Water Use
- Important information from US EPA
- Water Quality Report

Elsinore Valley Municipal Water District

HOURS OF OPERATION:
M-Th 7:30-5:30 **F** 7:30-4:30

Looking for more ways to stay connected? Visit EVMWD.com, like us on Facebook or follow us on Twitter.

This report contains important information about your drinking water. Please contact EVMWD at (951) 674-3146 to receive a copy in Spanish.

— Este informe contiene informacion muy importante sobre su agua portable. Nuestros clients que hablan Espanol pueden contactarse con el districto al telefono (951) 674-3146 para recibir una traduccion del informe.

A Message from the General Manager

At Elsinore Valley Municipal Water District, we are dedicated to bringing high quality and reliable water service to you. This means investing wisely in our local water supplies and infrastructure, keeping costs low, and providing excellent service into the future.

Over the past year, California faced an unprecedented drought with increased water restrictions imposed by the State. EVMWD is tapping into previously unused local groundwater as one way to increase drinking water supplies. Utilizing reserve funds, EVMWD is investing $10 million into a new Water Storage and Recovery Program to increase our community's groundwater supply. This program will lessen our dependence on water from Northern California and the Colorado River. Along with enhanced infrastructure and new projects, EVMWD is also refinancing debt to offset high interest costs. EVMWD is utilizing reserves without placing the burden on our customers. Over the next three years, these projects will allow EVMWD to expand its supply of affordable groundwater, reducing the need for expensive imported water .

EVMWD maintains its commitment to high quality water standards, in addition to its promise of reliability. This year, as in previous years, EVMWD met and exceeded all health and safety regulations, providing a clean and safe water supply to each of our more than 140,000 customers. EVMWD performed 14,000 tests for more than 150 contaminants, meeting or surpassing the standards to safely and reliably deliver water to our customers.

While this report shares important information about EVMWD's water quality, we would also like to highlight the continued importance of conservation. Over the past year our customers have shown their commitment to water conservation by complying with the state's mandatory conservation requirements. Dry times are becoming the new normal for California and water saving is essential, so we ask that our customers continue their excellent conservation work.

Since 70 percent of water use is outdoors, EVMWD has proactively offered a landscape resolution which was adopted by the City of Lake Elsinore and City of Wildomar requiring all new construction to use California friendly landscapes and water efficient irrigation. EVMWD also created a demonstration garden at the Storm Baseball Stadium and at its Chaney Street Headquarters, called Elsinore Eddie Efficient Gardens, providing customers a glimpse of how beautiful a drought tolerant garden can be. At www.eddiegardens.com, our new all-inclusive gardening website, you can take a virtual tour of the gardens, find guides on water efficient irrigation and California friendly plants, and utilize template designs for your yard.

EVMWD prides itself on providing high quality water and waste water service to all of our customers. We invite you to visit our website at www.evmwd.com for our newest innovations, upcoming workshops, and rebate offers.

Sincerely,

John D. Vega, General Manager
Elsinore Valley Municipal Water District

INVESTING IN THE FUTURE OF OUR COMMUNITY

Infrastructure Enhancement: The Future of Elsinore Valley Municipal Water District

EVMWD is committed to providing high quality, reliable water service to our customers. EVMWD staff work tirelessly to protect, maintain, and improve our community's assets, from storage tanks to underground pipelines. Proactive maintenance and improvement projects do more than just increase efficiency, they save money in the long run by preventing expensive repairs and keeping the systems running effectively.

Recognizing that maintenance of our infrastructure is crucial, EVMWD has made great strides to rehabilitate and replace important assets. Over the past two years, water rates have allowed EVMWD to complete many projects including:

18,708 Feet of Water Pipeline Replaced

20 Water Storage Tank (Reservoir) Rehabilitations & 1 new tank added

2 New Pump Stations Completed

Cost of Investment:

In fiscal years 2014 and 2015, EVMWD invested $32 million into local projects to improve infrastructure, ensuring reliable water service to our customers. Although much work has been accomplished, there is more to be done. EVMWD currently has an additional 14 potable water improvement projects in design or in construction.

EVMWD is also utilizing its reserve funds to invest an additional $10 million into water storage and recovery programs to expand our water supplies for the future. These funds are at no additional cost to our rate payers.

Investment Results:

As water has become increasingly limited, efficiency of its production, delivery, use, and storage has become more important. Investment in rehabilitating wells improves water production and extends the life of the well and pump. Replacing deteriorating water pipes reduces staff time to make repairs, disruption of water service, and potable water loss. Rehabilitation of reservoirs improves water quality, reduces risk of water loss, and extends the life of the reservoir.

NEW WATER PROJECTS STRENGTHEN EVMWD'S LOCAL WATER SUPPLY

EVMWD continues to look for new and efficient ways to secure reliable water supplies, without further burdening our customers. EVMWD knows that increasing our drinking water supplies by tapping into local groundwater is a sensible way to manage supplies. Utilizing reserves, EVMWD is investing $10 million into a new Water Storage and Recovery Program to increase our community's water supply.

Along with enhanced infrastructure and new projects, EVMWD is also refinancing debt to offset high interest costs. EVMWD is utilizing reserves without placing the burden on our customers. Over the next three years, these projects will allow EVMWD to expand its supply of affordable groundwater, reducing the need for expensive imported water.

WATER STORAGE & RECOVERY PROGRAM: *Better, Faster, Reliable Water Supply*

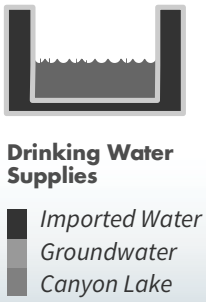
Over the next three years, EVMWD is

Adding new groundwater supplies

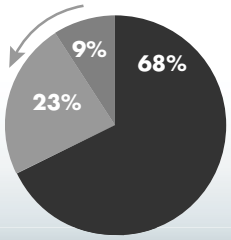
Adding recycled water capacity for irrigation supplies and water storage

Reducing the need for expensive imported water from Northern California & the Colorado River

Before

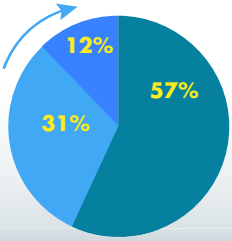


12 Local Wells



After

20 Local Wells



Funding:

EVMWD will utilize reserve funds, and savings, to reduce the overall costs for the future:

$2.5 Million projected annual savings in water supply costs

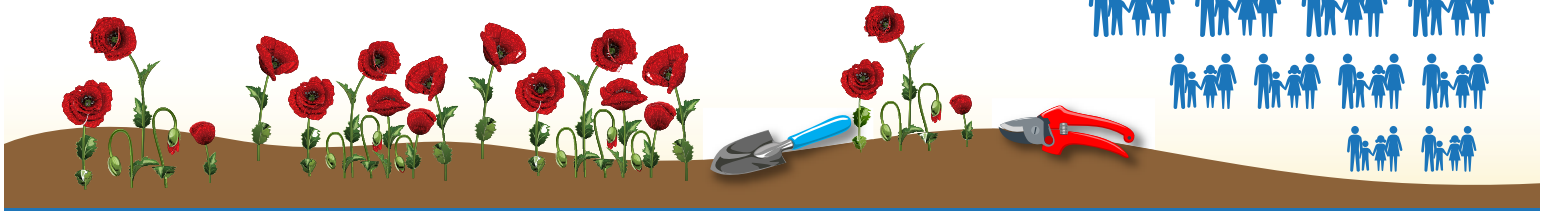
$1 Million annual savings in interest payments with debt reduction

Dedicating **$10 million** to Water Supply Projects with

No New Cost to customers

RESULTS: More local supplies means reduced demand for imported water

With the increase in local water supplies, the demand for expensive imported water will be ***reduced 5,000 acre feet*** each year. This is enough to supply water to ***10,000 families of 4*** each year.



WATER SAVINGS AND REBATES

Customers have excelled at water conservation and EVMWD encourages customers to keep up the good work. Over the past year, customers have taken advantage of numerous rebates through EVMWD and it has resulted in:

Over 200,000 square feet of grass has been pre-inspected for removal and replacement to water friendly landscapes. That's over 18 million gallons of water saved every year!

More than $75,000 in incentives has been rebated.

Over 2,000 sprinkler heads have been replaced with high efficiency heads.

Customers are encouraged to take part in EVMWD conservation and rebate programs. Below are several opportunities for customers to save money while becoming even more water efficient!

FREE Water Conservation Devices

FREE | *While items are available.*

EVMWD offers FREE water conservation devices such as low flow showerheads, faucet aerators, five minute shower timers, toilet leak dye tablets and hose nozzles to its customers at no charge. Customers can apply online and pick up their order the next business day or can come to the District Headquarters during normal business hours and fill out the form to receive their devices immediately. Using one or all of these water-saving devices can help lower your water bill and help our community reach its water conservation goals!

Pool Cover Rebate Program

Rebate amount is $50 | *While funding is available.*

Did you know that pools can lose up to 15,000 gallons of water a year, due to evaporation? Adding a pool cover can reduce evaporation, limit windblown debris and conserve energy. Visit **www.evmwd.com/rebates** to download an application for rebate.

Free Sprinkler Nozzles Program

Rebate amount up to 25 | *Program offered online!*

EVMWD is partnering with Western Municipal Water District to offer up to 25 free Toro Precision sprinkler nozzles to our customers. The Toro nozzles are much more efficient than regular pop-up spray nozzles and can help customers save both water and money. This program is only offered online! Supplies are limited.

Customers can go to the program site, fill out an application, print a voucher, and then redeem that voucher at a participating irrigation supply store. Program details and lots of information about the Toro nozzles at on the program website at **www.FreeSprinklerNozzles.com**

Drip Conversion Rebate Program

Rebate amount is $0.25 per sq. ft. up to 2,000 sq. ft.

While funding is available. EVMWD prefers online application submissions for expedited rebate process.

Additional Residential Rebate Offers

Thinking of purchasing a new water-saving device? See what models qualify. Rebates are handled by Metropolitan Water District of Southern California, an imported water supplier for EVMWD.

- Weather Based Irrigation Controllers ("*Smart Timers*") - up to $200
- MP Rotator Sprinkler Nozzles | $3 per nozzle (*minimum of 30*)
- Rain Barrels | $75 per barrel (*up to 4 barrels per home*)
- Premium High Efficiency Toilets | $40 (*1.06 GPF or lower*)
- High Efficiency Washing Machines | $150
- Soil Moisture Sensors | $80

Learn more about rebates. Visit www.evmwd.com/rebates for information and applications.

About your water quality report

Enclosed for your review is our accumulation of Fiscal Year 2015 Water Quality Testing. Testing frequency and water quality levels are set by the State Water Quality Control Board, Division of Drinking Water (State). The Elsinore Valley Municipal Water District's goals are to provide safe drinking water to its customers and follow the policies and procedures of the State of California and US Environmental Protection Agency (USEPA). EVMWD maintains chlorine disinfectant residuals in the drinking water as mandated by the State and USEPA.

The assessments of drinking water sources were completed in 2001-2008. The sources are most vulnerable to the following activities not associated with any detected contaminants: airports, gravel mining operations, machine shops, maintenance yards, septic systems, sewer collection systems, and transportation corridors. A copy of the complete assessment is available at EVMWD. You may also request a summary of the assessment be sent to you by contacting **Mike Ali**, Water Quality Administrator, at (951) 674-3146 x8256.

Important facts from the US EPA about drinking water

Sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in untreated source may include:

Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, that can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

Organic chemical contaminants, including synthetic and volatile organic chemicals, that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, agricultural application, and septic systems.

Radioactive contaminants, which can be naturally occurring or the result of oil and gas production, and mining activities.

In order to ensure water is safe to drink, the United States Environmental Protection Agency (EPA) and the State Water Resources Control Board (SWRCB) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. SWRCB regulations also establish limits for contaminants in bottled water to provide the same protection for public health.

WATER QUALITY TERMS

AVERAGE: The average reported in the data is the combined result of multiple collection samples.

MAXIMUM CONTAMINANT LEVEL (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the Public Health Goals (PHG) (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

MAXIMUM CONTAMINANT LEVEL GOAL (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (EPA).

MAXIMUM RESIDUAL DISINFECTANT LEVEL (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that the addition of a disinfectant is necessary for control of microbial contaminants.

MAXIMUM RESIDUAL DISINFECTANT LEVEL GOAL (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NOTIFICATION LEVEL (NL): A health-based advisory level established by the state for chemicals in drinking water that lack maximum contaminant levels (MCLs).

PRIMARY DRINKING WATER STANDARD (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

PUBLIC HEALTH GOAL (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

REGULATORY ACTION LEVEL (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

TREATMENT TECHNIQUE (TT): A required process intended to reduce the level of a contaminant in drinking water.

TURBIDITY: Is a measure of the cloudiness of the water, and it is a good indicator of the effectiveness of our filtration system.

UNREGULATED CONTAMINANT MONITORING RULE (UCMR: Helps USEPA and the State Water Resources Control Board to determine where certain contaminants occur and whether the contaminants need to be regulated.

The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, is more than one year old.

Important info from the EPA about drinking water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline at 1-800-426-4791 or visit the EPA's web site at www.epa.gov. Trace chemicals are measured in parts per million (ppm), which is the same as milligrams per liter (mg/L). Some constituents are measured in parts per billion (ppb).

Some people may be more vulnerable to contaminants in drinking water than the general population. Those who may be particularly at risk include cancer patients, organ transplant recipients, people with HIV-AIDS or other immune system disorders, as well as some elderly individuals and infants. These people should seek advice about drinking water from their health care providers. U.S. EPA Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791 or visit water.epa.gov/drink/hotline.

» **ARSENIC** — While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems. In 2008, EVMWD completed construction on the $8 million Back Basin Groundwater Treatment facility that removes naturally occurring contaminants, including arsenic, that are often found in groundwater supplies. This facility processes 1,500-3,500 gallons of water per minute, enough to serve 10,000 homes per day.

» **LEAD** – If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. EVMWD is responsible for providing high-quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline, toll free at 1-800-426-4791 or at http://www.epa.gov/safewater/lead.

» **SALTS** — One of the most important issues facing water supplies throughout Southern California today is salinity. Total Dissolved Solids (TDS), also known as salinity, is the concentration of dissolved mineral salts such as calcium, magnesium, sodium sulfate, and chloride. Local water supplies and recycled water have continued to show an increase in salt content. Though these salts are viewed as an aesthetic standard by the State Water Resources Control Board, too much salt can negatively impact our local water sources, agriculture, and our environment. EVMWD is currently exploring options on how to meet state mandated requirements to eliminate the overabundance of these salts. Learn more at www.evmwd.com/salt.

» **RADON** — Radon is a naturally occurring gas formed from the normal radioactive decay of uranium. In 2007 testing, radon was detected in our finished water supply. There are no regulatory limits prescribed for radon levels in drinking water – the pathway to radon exposure occurs primarily through its presence in the air. Exposure over a long period of time to air containing radon may cause adverse health effects. If you are concerned about radon in your home, testing is inexpensive and easy. For more information, call your state radon program (1-800-745-7236), the National Safe Council's Radon Hotline (1-800-SOS-RADON), or the EPA Safe Drinking Water Act Hotline (1-800-426-4791).

CONSUMER CONFIDENCE REPORT 2015

From January 1, 2015 to December 31, 2015, the Elsinore Valley Municipal Water Distirct conducted over 11,000 water quality tests from samples taken at various locations throughout the water system in accordance with state and federal laws. The following tables list only those contaminants that were detected. It is important to note, that the presence of these contaminants, as detected in the water, does not necessarily indicate that the water poses a health risk.

PRIMARY DRINKING WATER STANDARDS

CONSTITUENT (units)	YEAR	MCL, SMCL, TT (MRDL)	PHG (MCLG) (MRDLG)	RANGE / AVERAGE	SURFACE WATER (TREATED) ELSINORE CANYON LAKE	SURFACE WATER (TREATED) MWD-SKINNER COLORADO RIVER	SURFACE WATER (TREATED) MWD- MILLS STATE PROJECT	GROUNDWATER (TREATED) ELSINORE GROUNDWATER	GROUNDWATER (TREATED) TEMESCAL GROUNDWATER	VIOLATION	SOURCE
CLARITY											
Turbidity (NTU %)	2015	TT = 1 NTU (Filter Effluent), SMCL = 5 NTU TT: >95% of samples ≤0.3 NTU	NA	Highest	0.13	0.1	0.09	ND-0.2	ND	No	Soil Runoff
				% ≤ 0.3	100%	100%	100%	NA	NA		
INORGANIC CONSTITUENTS											
Aluminum (ppb)	2013 - 2015	MCL = 1000 SMCL = 200	600	Range	ND	ND	64 – 180	ND – 54	ND	No	Residue from water treatment process; natural deposits erosion
				Average	ND	ND	115	ND	ND		
Arsenic (ppb)	2013 - 2015	10	0.004	Range	ND	ND	2.2	ND – 8.8	ND	No	Natural deposits erosion, glass and electronics production wastes
				Average	ND	ND	2.2	4.3	ND		
Barium (ppb)	2013 - 2015	1,000	2,000	Range	ND	124	ND	ND-170	ND	No	Oil and metal refineries discharge; natural deposits erosion
				Average	ND	124	ND	113	ND		
Bromate (ppb)	2013 - 2015	10	0.1	Range	NA	1.1 – 9.9	2.2 – 12	NA	NA	No	Byproduct of drinking water ozonation
				Average	NA	4.3	4.5	NA	NA		
Copper (ppm)	2013 - 2015	AL = 1.3 SMCL = 1.0	0.3	Range	0.082	ND	ND	ND – 0.42	ND	No	Internal corrosion of household pipes; natural deposits erosion
				Highest RAA	0.1	ND	ND	0.1	ND		
Fluoride (ppm)	2013 - 2015	2	1	Range	0.3	0.5 – 0.9	0.6 – 0.9	0.1 – 0.7	0.4	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
				Average	0.3	0.7	0.7	0.4	0.4		
Nitrate [as N] (ppm)	2015	10	10	Range	ND	ND	ND – 0.9	ND – 5.8	2.2 – 3.1	No	Runoff and leaching from fertilizer use; septic tank and sewage; natural deposits erosion
				Average	ND	ND	0.5	1.4	2.9		
Selenium (ppb)	2013 - 2015	50	30	Range	ND	ND	ND	ND – 12	ND	No	Refineries, mines, and chemical waste discharge; runoff from livestock lots
				Average	ND	ND	ND	7.3	ND		
RADIOACTIVE CONSTITUENTS											
Gross Alpha Partical Activity (pCi/L)	2010 - 2015	15	0	Range	3	ND – 5	ND – 4	1.4 – 8.4	1.4 – 8.4	No	Erosion of natural deposits
				Average	3	ND	ND	4	5.4		
Gross Beta Partical Activity (pCi/L)	2010 - 2015	50	0	Range	3.1	5	ND	1.7 – 3.1	NA	No	Decay of natural and man-made deposits
				Average	3.1	5	ND	ND	NA		
Uranium (pCi/L)	2010 - 2015	20	0.43	Range	ND	1 – 2	ND – 4	ND – 9	7.7 – 9	No	Erosion of natural deposits
				Average	ND	2	2	2	7.8		
VOLATILE ORGANIC COMPOUNDS											
Dichloromethane (Methylene Chloride) (ppb)	2015	5	4	Range	ND	ND	ND	ND – 0.56	ND	No	Discharge from pharmaceutical and chemical factories
				Average	ND	ND	ND	ND	ND		

SECONDARY DRINKING WATER STANDARDS

Chloride (ppm)	2015	500	NA	Range	210	102 – 105	76 – 96	50-170	65	No	Runoff/leaching from natural A3:M89 seawater influence
				Average	210	104	86	102	65		
Color (units)	2015	15	NA	Range	ND	1	1	ND	ND	No	Naturally-occurring organic materials
				Average	ND	1	1	ND	ND		
Iron (ppb)	2015	300	NA	Range	ND	ND	ND	ND	ND – 120	No	Leaching from natural deposits; industrial wastes
				Average	ND	ND	ND	ND	110		
Manganese (ppb)	2015	NL = 500 50	NA	Range	ND	ND	ND	ND – 39	ND	No	Leaching from natural deposits
				Average	ND	ND	ND	20	ND		
Odor Threshold (TON)	2015	3	NA	Range	ND	2	2	ND	ND	No	Naturally-occurring organic materials
				Average	ND	2	2	ND	ND		
Specific Conductance (µS/cm)	2015	1,600	NA	Range	1200	1000 –1050	580 – 666	660 – 980	770	No	Substances that form ions in water; seawater influence
				Average	1200	1020	623	781	770		
Sulfate (ppm)	2015	500	NA	Range	180 – 190	237 – 249	81 – 84	53 – 200	130	No	Runoff/leaching from natural deposits; industrial wastes
				Average	185	243	83	98	130		
Total Dissolved Solids – TDS (ppm)	2015	1,000	NA	Range	700 – 770	639 – 655	335 – 364	260 – 800	450 – 1000	No	Runoff/leaching from natural deposits; seawater influence
				Average	735	647	350	456	519		
Zinc (ppm)	2015	5	NA	Range	ND	ND	ND	ND – 0.26	ND	No	Runoff/leaching from natural deposits; industrial wastes
				Average	ND	ND	ND	0.1	ND		

ABBREVIATIONS

AI: Aggressiveness Index
AL: Action Level
CaCO3: Calcium Carbonate
CFU: Colony-Forming Units
DBP: Disinfection Byproducts
DDW: Division of Drinking Water
DLR: Detection Limits for Purposes of Reporting
GPG: Hardness conversion as grains per gallon - 1 GPG = 17.1 ppm as CaCO3
LRAA: Locational Running Annual Average; highest LRAA is the highest of all Locational Running Annual Averages calculated as average of all samples collected within a 12-month period
MBAS: Methylene Blue Active Substances
MCL: Maximum Contaminant Level ppb: parts per billion or micrograms per liter (µg/L)
MCLG: Maximum Contaminant Level Goal
MFL: Million Fibers per Liter
MRDL: Maximum Residual Disinfectant Level
MRDLG: Maximum Residual Disinfectant Level Goal
MRL: Method Reporting Level
µS/cm: microSiemen per centimeter; or micromho per centimeter (µmho/cm)
NA: Not Applicable
ND: Not Detected above State DLR
NL: Notification Level
NTU: Nephelometric Turbidity Units
pCi/L: picoCuries per Liter
PHG: Public Health Goal
ppb: parts per billion or micrograms per liter (µg/L)
ppm: parts per million or milligrams per liter (mg/L)
ppq: parts per quadrillion or picograms per liter (pg/L)
ppt: parts per trillion or nanograms per liter (ng/L)
RAA: Running Annual Average; highest RAA is the highest of all Running Annual Averages calculated as average of all the samples collected within a 12-month period
SCML: Secondary Contaminant Level (Aesthetic Standard)
SI: Saturation Index (Langelier)
TON: Threshold Odor Number
TT: Treatment Technique is a required process intended to reduce the level of a contaminant in drinking water

ADDITIONAL MONITORING PARAMETERS WITH NO MCLs

CONSTITUENT (units)	YEAR	MCL, SMCL, TT (MRDL)	PHG (MCLG) (MRDLG)	RANGE / AVERAGE	SURFACE WATER (TREATED) ELSINORE CANYON LAKE	SURFACE WATER (TREATED) MWD-SKINNER COLORADO RIVER	SURFACE WATER (TREATED) MWD- MILLS STATE PROJECT	GROUNDWATER (TREATED) ELSINORE GROUNDWATER	GROUNDWATER (TREATED) TEMESCAL GROUNDWATER	VIOLATION	SOURCE
Alkalinity [as CaCO3] (ppm)	2015	NA	NA	Range	100 – 110	125 – 130	77 – 84	66 – 170	130	NA	
				Average	105	128	81	108	130		
Boron (ppb)	2015	NL = 1,000	NA	Range	180	130	210	ND – 120	ND	NA	Runoff/leaching from natural deposits; industrial wastes
				Average	180	130	210	106	ND		
Calcium (ppm)	2015	NA	NA	Range	74 – 81	75 – 78	27 – 30	7.8 –110	73	NA	
				Average	78	77	29	43	73		
Chlorate (ppb)	2015	NL = 800	NA	Range	NA	97	36	NA	NA	NA	Byproduct of drinking water chlorination; industrial processes
				Average	NA	97	36	NA	NA		
Corrosivity [as Aggressiveness Index] (AI)	2015	NA	NA	Range	12.3	12.5	11.9 –12.1	11.5 –12.2	11.4	NA	Elemental balance in water; affected by temperature, other factors
				Average	12.3	12.5	12	11.9	11.4		
Corrosivity [as as Saturation Index] (SI)	2015	NA	NA	Range	0.2	0.63 – 0.74	0.18 – 0.22	-0.23 – 0.41	ND	NA	Elemental balance in water; affected by temperature, other factors
				Average	0.4	0.69	0.2	0.1	-0.4		
Hardness [as CaCO3] (ppm)	2015	NA	NA	Range	320	290 – 307	102 – 124	ND	250	NA	
				Average	340	299	113	138.2	250		
Magnesium (ppm)	2015	NA	NA	Range	33	25 – 27	6.0 – 12	ND –17	15	NA	
				Average	33	26	9	7.4	15		
pH (units)	2015	NA	NA	Range	7.8	8.1 – 8.2	8.2 – 8.3	7.03 – 8.6	7.0	NA	
				Average	8.0	8.1	8.2	8 – 1	7.0		
Potassium (ppm)	2015	NA	NA	Range	9.6	4.7 – 5.1	2.2 – 3.2	ND – 2.7	1.6	NA	
				Average	9.6	4.9	2.7	1.3	1.6		
Radon (pCi/L)	2000 - 2001	NA	NA	Range	ND	ND	ND	137 –1518	1100 – 2000	NA	
				Average	ND	ND	ND	510	1675		
Sodium (ppm)	2015	NA	NA	Range	120	96 – 103	77 – 82	43 –130	51	NA	
				Average	120	100	80	100	51		
TOC (ppm)	2015	TT	NA	Range	5.2 – 5.7	2.0 – 2.6	1.3 – 3.1	ND – 0.47	.43	NA	Various natural and man-made sources; TOC as a medium for the formation of disinfection byproducts
				Average	5.5	2.3	2.3	0.4	0.4		
Vanadium (ppb)	2013 - 2014	NL = 50	NA	Range	ND	ND	9	ND – 20	ND	NA	Naturally-occurring; industrial waste discharge
				Average	ND	ND	9	11.5	ND		
NDMA N-Nitrosodimethylamine (ppt)	2015	NL = 10	3	Range	NA	ND	2.2 – 2.5	NA	NA	NA	Byproduct of drinking water chloramination; industrial processes
				Average	NA	ND	2.35	NA	NA		

ADDITIONAL MONITORING FOR UCMR
(2013 – 2014 Monitoring)

CONSTITUENT (units)	MCL	PHG	Range	Average
Bromochloromethane [Halon 1011] (ppb)	NA	NA	ND – 0.27	0.054
Vanadium (ppb)	NA	NA	ND-20	6.064
Molybdenum (ppb)	NA	NA	ND-33	12.57
Strontium (ppb)	NA	NA	140-710	412.7
Chromium (total) (ppb)	NA	NA	ND – 0.61	0.311
Chromium-6 (ppb)	NA	NA	ND – 0.59	0.2884
Chlorate (ppb)	NA	NA	54 – 1600	323.25
Perfluorooctanoic acid (ppb)	NA	NA	ND – 0.035	0.0076
Perfluoroheptanoic acid (ppb)	NA	NA	ND – 0.011	0.0026

Chlorate Notification: Chlorate concentrations in 2 out of 15 UCMR samples were found above State Notification Level of 800 ppb. Use of Environmental Sources of Chlorate include agricultural defoliant or desiccant, disinfection byproduct, and use in production of chlorine dioxide. Health Effects of chlorate are published in USEPA 815-B-11-001 (Jan-2012).

DISTRIBUTION SYSTEM RESULTS FOR COLIFORM BACTERIA

MICROBIOLOGICAL CONTAMINANTS	ELSINORE HIGHEST DETECTION	ELSINORE MCL	ELSINORE No. of months in violation	TEMESCAL HIGHEST DETECTION	TEMESCAL MCL	TEMESCAL No. of months in violation	PHG, MCLG	TYPICAL SOURCE OF BACTERIA
Total Coliform Bacteria	1.3%	More than 5% samples in a month with a detection	0	0	More than 1 sample in a month with a detection	0	0	Naturally present in the environment
Fecal Coliform or *E. coli*	0%	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or *E. coli*	0	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or *E. coli*	0	0	Human and animal fecal waste

DISTRIBUTION SYSTEM RESULTS FOR DISINFECTION BYPRODUCTS

CHEMICAL OR CONSTITUENT (UNITS)	ELSINORE – SAMPLED 2015 HIGHEST LRAA*	ELSINORE – SAMPLED 2015 Range of Detections	TEMESCAL – SAMPLED 2015 HIGHEST LRAA*	TEMESCAL – SAMPLED 2015 Range of Detections	MCL	PHG, MCLG	TYPICAL SOURCE OF CONTAMINANT
Total Trihalomethanes-TTHMs (ppb)	54	2.5-110	7	3.9 – 11	80	NA	Byproduct of drinking water chlorination
Haloacetic Acids-HAA5 (ppb)	18.1	ND-41	7.2	3.3 – 11	60	NA	Byproduct of drinking water chlorination

DISTRIBUTION SYSTEM RESULTS FOR LEAD AND COPPER

LEAD AND COPPER (AND REPORTING UNITS)	ELSINORE – SAMPLED 2013 No. of samples collected	90th percentile level detected	No. sites exceeding AL	TEMESCAL – SAMPLED 2015 No. of samples collected	90th percentile level detected	No. sites exceeding AL	AL	PHG	TYPICAL SOURCE OF CONTAMINANT
Lead (ppb)	52	ND	1	10	ND	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	52	0.24	0	10	0.32	0	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

DISTRIBUTION SYSTEM RESULTS FOR OTHER PARAMETERS

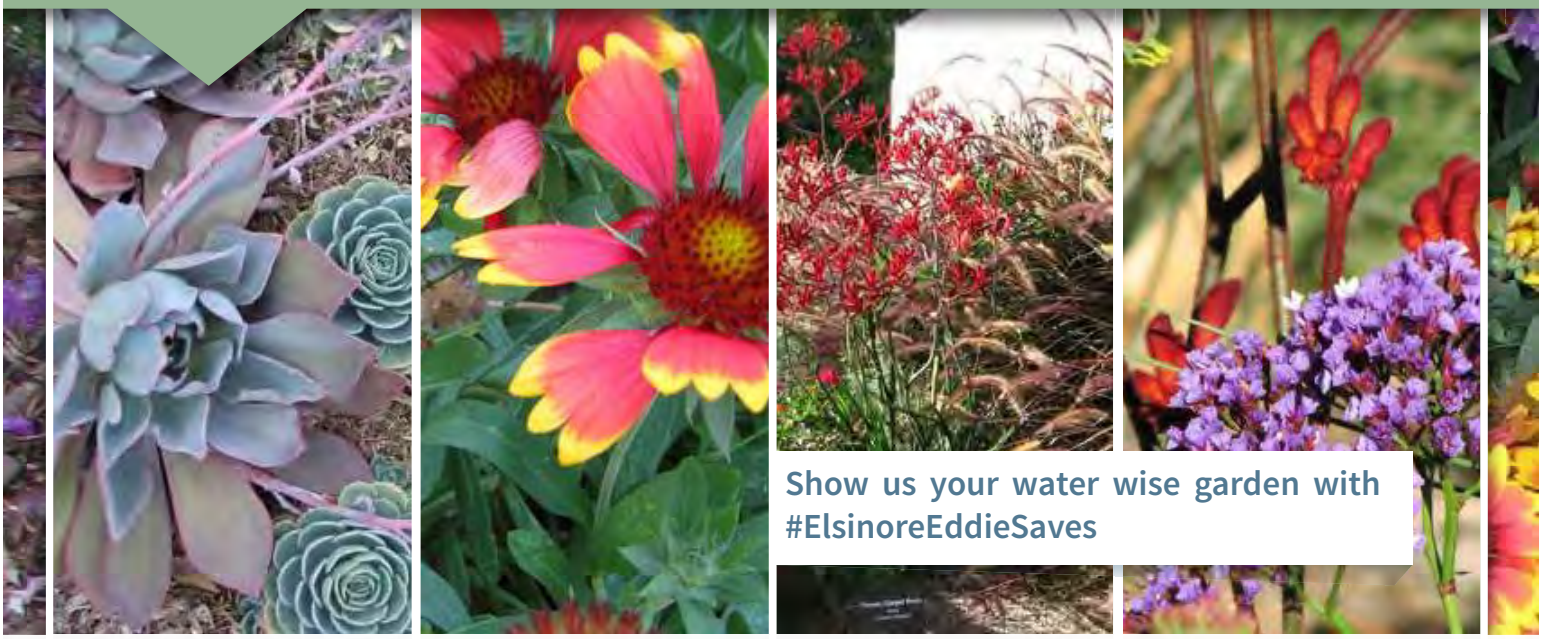
CHEMICAL OR CONSTITUENT (UNITS)	ELSINORE Sample Year	ELSINORE Average	ELSINORE Range	TEMESCAL Sample Year	TEMESCAL Average	TEMESCAL Range	MCL (SMCL)	PHG	TYPICAL SOURCE OF CONTAMINANT
Free Chlorine (ppm)	NA	NA	NA	JAN - MAY 2015	0.93	0.41 - 1.19	4.0	4.0	Drinking water disinfectant added for treatment
Total Chlorine (ppm)	2015	2.0	0.02 - 4.14	JUN - DEC 2015	1.75	1.04 - 2.19	4.0	4.0	Drinking water disinfectant added for treatment
Heterotrophic Plate Count (HPC)	2015	17.1	<2->738	2015	<2	<2	TT	NA	Naturally present in the environment
Turbidity (NTU)	2015	0.3	0.3 - 3.1	2015	0.3	0.3-0.6	(5)	NA	Soil Runoff
COLOR	2015	4.3	ND - 40	2015	3.63	ND-13	(15)	NA	Naturally occuring organic materials
pH	2015	7.87	6.52 - 9.19	2015	7.07	6.72-8.02	NA	NA	
Temperature	2015	23	12 - 39	2015	21	16-29	NA	NA	NA

CONSERVATION CORNER:

Lawn Woes? Look to Elsinore Eddie's Efficient Gardens for Inspiration! With outdoor water use accounting for nearly 70% of an average water bill, reconsidering a more water friendly landscape is essential. Let EVMWD show you how simple it is to turn that grass yard into a gorgeous and colorful California friendly garden. EVMWD offers design templates, a full plant library, and irrigation tips and tricks at its new site **www.eddiegardens.com.**

Customers can also stroll through Elsinore Eddie's Efficient Gardens located at the EVMWD Headquarters and the Storm Stadium to see design options, climate appropriate plants, and water saving irrigation devices.
To learn more, visit **www.eddiegardens.com**

Elsinore Eddie's Efficient Gardens



Show us your water wise garden with #ElsinoreEddieSaves

iEfficient.com

iEfficient:
Your Source for Regional Conservation Inspiration

Working together to overcome the drought

In 2014, more than 20 cities and water agencies in the Inland Empire united to develop the iEfficient water conservation outreach program. The goal is to change how local families and businesses think about and use water. Over the past year, EVMWD played a key role in the development of the program and its content, which focuses on drought and conservation awareness, outdoor conservation strategies, and connecting customers to their water providers for rebates and other tools.

Outreach included a wide variety of efforts in English and Spanish, including: a website (iEfficient.com) and interactive web tools; an extensive social media campaign; a water waste reporting application; work with television and print media; advertising on billboards, buses, radio, internet, in theaters, in newspapers and in magazines; direct customer contact tools such as mailers and bill inserts; and participation in dozens of community events.

Please visit iEfficient.com and follow iEfficient on Facebook and Twitter to learn more about how to #endwaterwaste.

EVMWD

"WATER USE IT WISELY" POSTER CONTEST

Elsinore Valley Municipal Water District hosts the annual "Water Use It Wisely" poster contest, encourages messages of water conservation and has been part of EVMWD's education program for over twenty years.

Each year, thousands of K-5 students from schools within Elsinore Valley Municipal Water District's service area, including Lake Elsinore Unified School District, Sycamore Academy Charter School, and Menifee Union School District participate. Top artwork is selected each winter and the students receive recognition and awards for their accomplishments and artwork.

The winning entries move to the Southern California competition level for the opportunity to be featured in Metropolitan Water District of California's "Water is Life" Calendar. To learn more about the poster contest and other education programs offered by EVMWD, please visit **www.evmwd.com/education**.

Sasha Pearson, Luiseno Elementary, 4th Grade, Mrs. Halderman

Mia Rivera, Herk Bouris Elementary, 4th Grade, Mrs. Jones

Katherine Louise Avelar, Withrow Elementary, 5th Grade, Mrs. Morat

JUST ADD WATER: *Free Educational Materials for Teachers*

Elementary and middle school teachers can take advantage of the many teaching resources EVMWD offers to bring water to life in the classroom. A variety of California State Standards are met when utilizing the many activity packets, workbooks, teacher guides, videos, and interactive programs. All of the items are FREE and available to local public and private schools. For information on how you can receive these exciting and interactive materials relating to science, history, and social science that are tailored to each grade level, visit **www.evmwd.com/education.**

The Water Quality Report

Elsinore Valley Municipal Water District
31315 Chaney Street
P.O. Box 3000
Lake Elsinore, CA 92531-3000

BOARD OF DIRECTORS

Nancy Horton, *Division 1*
Harvey Ryan, *Division 2*
George Cambero, *Division 3*
Phil Williams, *Division 4*
Andy Morris, *Division 5*

Spanish Water Quality Report Now Available

The Water Quality Report is now available in Spanish. Please contact us for a copy to be mailed to your home or view electronically at
www.evmwd.com

El Informe de Calidad del Agua está ahora disponible en español

The Water Quality Report está ahora disponible en español. Por favor contáctenos para obtener una copia que te enviaremos por correo a tu domicilio o vela en forma electrónica en
www.evmwd.com

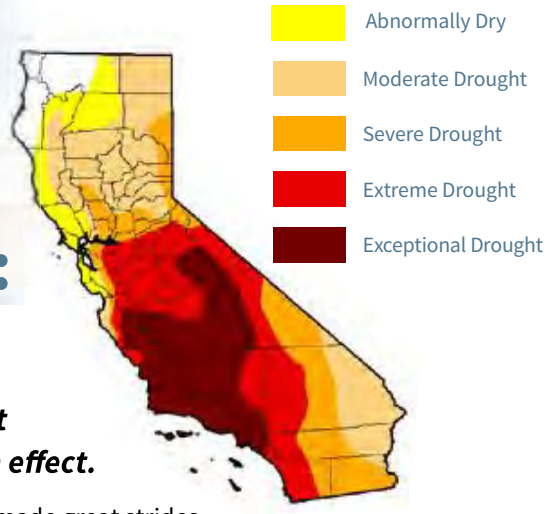
PUBLIC PARTICIPATION OPPORTUNITIES

EVMWD's Board meets on the second and fourth Thursday of each month at 4 p.m.

All meetings are open to the public and agendas are posted prior to the meeting in front of the EVMWD headquarters at 31315 Chaney St., Lake Elsinore and on its web site, www.evmwd.com.

Meetings are posted in accordance with the Ralph M. Brown Act.

DROUGHT UPDATE:



California's drought emergency is still in effect.

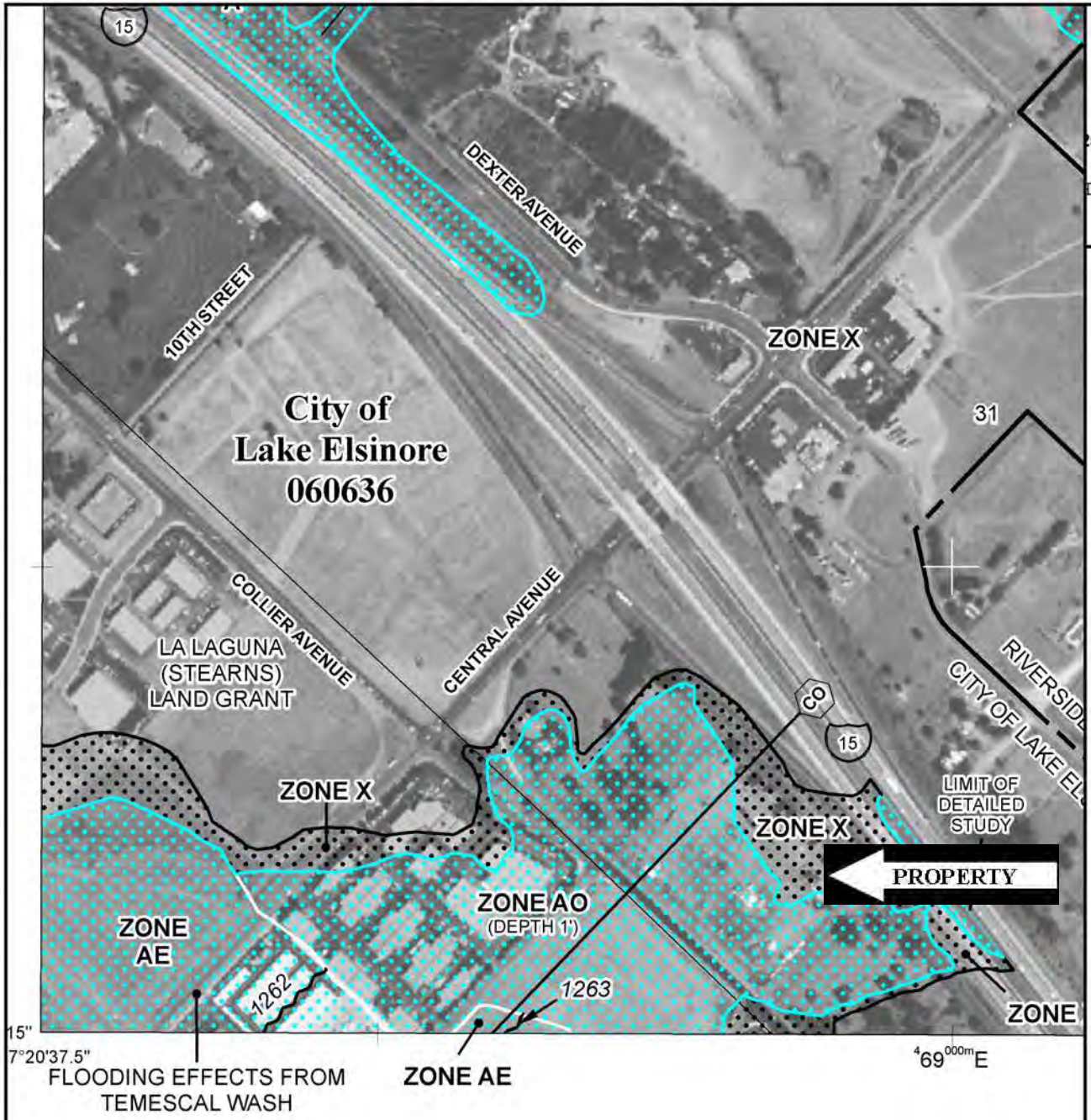
EVMWD customers have made great strides in their water saving efforts, but Southern California continues to experience drought conditions and below-average rainfall this year.

EVMWD is currently recognizing Stage 3a of its Water Shortage Contingency Plan and is asking customers to continue the water saving efforts and utilize the many rebates and incentives available at **www.evmwd.com/drought.**

Elsinore Valley Municipal Water District

HOURS OF OPERATION:
M-Th 7:30-5:30 **F** 7:30-4:30

Looking for more ways to stay connected?
Visit EVMWD.com, like us on Facebook or follow us on Twitter.



MAP SCALE 1" = 500'

250 0 500 1000

FEET

METER

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2029G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 2029 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
LAKE ELSINORE, CITY OF	060636	2029	G
RIVERSIDE COUNTY	060245	2029	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C2029G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

U.S. Fish and Wildlife Service
National Wetlands Inventory

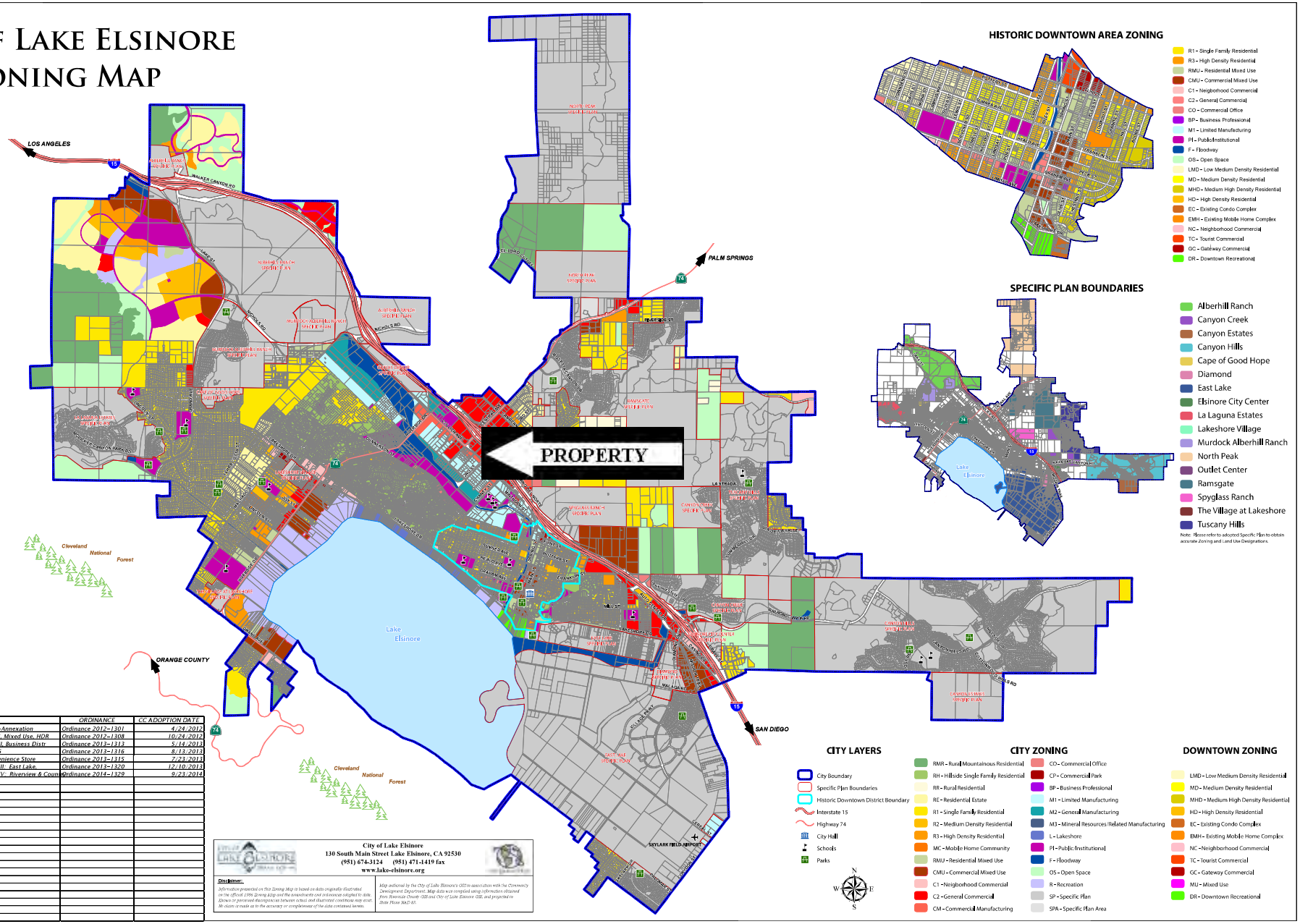
NWI Map

April 11, 2017

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

CITY OF LAKE ELSINORE
ZONING MAP



REVISION	ORDINANCE	CC ADOPTION DATE
ZC 2012-01 Third Street Annexation No. 81 Pre-Annexation	Ordinance 2012-1301	4/24/2012
ZC 2012-03 Consistency Zoning Project, Phase I, Mixed Use, HDR	Ordinance 2012-1308	10/24/2012
ZC 2013-01 Consistency Zoning Project, Phase II, Business Distr	Ordinance 2013-1313	5/14/2013
SPA 2013-02 East Lake SPA 10, Planning Area 46	Ordinance 2013-1316	8/13/2013
ZC 2013-03 Downtown Master Plan, 7-11 Convenience Store	Ordinance 2013-1315	7/23/2013
ZC 2013-04 Consistency Zoning Project, Phase III: East Lake,	Ordinance 2013-1320	12/10/2013
ZC 2014-04 Consistency Zoning Project, Phase IV: Riverview & Counti	Ordinance 2014-1329	9/23/2014

City of Lake Elsinore
130 South Main Street Lake Elsinore, CA 92530
(951) 674-3124 (951) 471-1419 fax
www.lake-elsinore.org

Disclaimer:

Information presented on this Zoning Map is based on data originally digitized on the official 1996 Zoning Map and the amendments and ordinances adopted to date. Errors or perceived discrepancies between actual and illustrated conditions may exist. No claim is made as to the accuracy or completeness of the data contained herein.

Map authored by the City of Lake Elsinore's GIS in association with the Community Development Department. Map data was compiled using information obtained from Riverside County GIS and City of Lake Elsinore GIS, and projected in State Plane NAD 83.

APPENDIX F

PRIOR REPORTS

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APPENDIX G

LABORATORY REPORTS

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APPENDIX H

RESUMES

VICTORIA ROJO
Staff Scientist

PROFESSIONAL SUMMARY

Ms. Rojo has been involved in the environmental field since 1996. At ATC she is responsible for conducting Phase I environmental site assessments, data interpretation and report preparation. Tasks include site reconnaissance, public record searches, aerial photo review and personal interviews. Ms. Rojo has strong experience with identifying areas of environmental concern as well as a good working knowledge of government regulations relating to environmental issues.

Additionally, Ms. Rojo has experience with natural resource and biological aspects of the environmental industry. She previously served in roles which involved soil and water conservation; endangered species studies; natural resource risk assessments, planning recommendations and restoration; landscape design and species mapping; plant and wildlife surveys; and preparation of environmental compliance documents including EIRs, Habitat Conservation Plans and Biological Assessments.

PROJECT EXPERIENCE

Due Diligence

- **Environmental Site Assessments / Various Clients / Southern CA and HI.** Conducted numerous Phase I ESAs for confidential clients throughout Southern California and also Hawaii. Target sites include vacant properties, commercial/retail, multi-family housing, and former service station facilities. Project duties included conducting interviews, gathering current and historical site information, observing the physical aspects of the site, and report preparation.
- **Property Transaction Screens / Confidential Client / Southern CA.** Conducted numerous due diligence property transaction screens for a confidential client at multiple locations throughout Southern California. Target sites include light industrial, commercial, and hotel/motel facilities. Project duties included conducting interviews, gathering current and historical site information, observing the physical aspects of the site, and report preparation.

Telecommunications Projects

- **Environmental Site Assessments & NEPA Compliance/ Telecommunications Clients / Various Locations, CA and AZ.** Conducted Phase I ESAs and completed NEPA reports/checklists. Services are being provided to various telecommunications clients as part of a comprehensive Environmental Site Assessment program for all proposed monopole sites.

PROFESSIONAL REGISTRATIONS

- Certified Desert Tortoise Monitor, California Dept. of Fish & Game, 1999

EDUCATION

- B.A., Environmental Analysis and Design, University of California, Irvine, CA
- B.A., Criminology, Law and Society, University of California, Irvine, CA

Gwen Reed
Program Manager

PROFESSIONAL SUMMARY

Ms. Reed serves as Program Manager of the NEPA Program for ATC's California and Arizona offices. She is responsible for coordination, resource management and quality control activities for projects/clients in the telecommunications and public sector.

Ms. Reed has more than 20 years of experience in the environmental field with an extensive background in the following: NEPA Studies, Phase I ESAs, Phase II Subsurface Investigations, and Asbestos / Lead-Based Paint Management.

PROJECT EXPERIENCE

- **Microbial Survey and Monitoring, The Home Depot, Southern California**
  Project Manager responsible for scheduling and report review for various sites throughout southern California.

- **NEPA Environmental Summary Reports, Telecommunications Clients, California and Arizona**
  Program Manager for NEPA Environmental Summary Reports throughout California for various telecommunications clients. Services include research regarding wilderness areas, wildlife preserves, endangered species, historic places, Native American Consultation, and potential impact from proposed wireless facilities.

- **CEQA Report, Administrative Office of the Courts, California**
  Provided management oversight of CEQA Initial Study for the construction of the new Long Beach Courthouse.

- **Biological Assessments, Telecommunications Clients, California and Arizona**
  Manage Biological Assessments in relation to endangered species impact on telecommunication sites throughout California and Arizona.

- **Environmental Site Assessments & Investigations, Various Clients, California**
  Performed and managed numerous Phase I and Phase II Environmental Site Assessments for commercial, residential, and industrial properties/clients.

- **Hazardous Material Sampling, Various Clients, California**
  Managed and performed lead in paint, lead in water, radon, and asbestos sampling for Phase I ESAs and telecommunications projects throughout California.

- **Site Investigations, Various Clients, California**
  Performed groundwater and soil sampling for site characterization projects.

PROFESSIONAL REGISTRATIONS

- Engineer in Training (CA #XE083539)

EDUCATION

- B.S., Civil Engineering, California Polytechnic, San Luis Obispo, 1991

Dawn Merrill
Branch Manager

PROFESSIONAL SUMMARY

Ms. Merrill has more than 18 years of experience as an environmental consultant. As Branch Manager of the Los Angeles, California area office, Ms. Merrill is responsible for managing staff, overseeing administrative functions and overseeing business development and proposal preparation. She is also responsible for managing and providing senior review of Phase I Environmental Site Assessments (ESAs), and coordinating and managing portfolios of due diligence projects, which are often conducted by multiple ATC branches across the country. In addition, Ms. Merrill serves as Client Manager for several of ATC's national clients.

"Dawn is a pleasure to work with and the quality of the reports is excellent. We really appreciate all of the hard work!"
– Kate Velásquez-Heller, Goulston & Storrs

Through the years, Ms. Merrill has also performed hundreds of Phase I ESAs and transaction screen assessments throughout Southern California. Her duties included on-site visual inspections, public record searches, aerial photograph reviews, personal interviews, and preparation of technical reports.

PROJECT EXPERIENCE

Real Estate Investment

- **Phase I ESAs/Property Condition Assessments/Seismic Studies, Fortress, Various Locations**
  Client/Project Manager responsible for managing three different portfolios for various gas station sites in California and Colorado. The first portfolio consisted of 65 sites; the second consisted of 16 sites; and the third consisted of 123 sites (PCAs only). Responsible for preparing proposals, coordinating staffing plans/schedules, client interface, senior review of Phase I ESAs, client interface, and project invoicing.

- **Phase I ESAs, Real Estate Investment Client (Confidential), Various Locations in the U.S.**
  Client/Project Manager responsible for managing and coordinating over 300 projects for this national real estate investment client. Responsible for a weekly report of ongoing projects, facilitating all correspondence with the client and providing a senior level review of all ESA reports.

- **Phase I ESAs, Real Estate Investment Client (Confidential), Various Locations in the U.S.**
  As part of a nationwide team, managed approximately 150 of the 450 total Phase I ESAs conducted at existing grocery stores. The ESAs were completed in only six weeks. Services were provided prior to a large (and successful) real estate transaction.

Commercial Lenders

- **Environmental Site Inspections, Senior Review & Project Manager, Commercial Banks (Confidential), Various Locations, California**
  Project Manager responsible for determining environmental risks associated with properties to assist client with property transaction and refinancing loans. Performed several site inspections and prior use reports according to client's standards for commercial properties. Continue to manage and review Phase I ESAs and related reports prepared for these clients.

Retail

- **Phase I ESAs, Senior Review & Project Coordinator, California**
  Completed Phase I ESAs for a large portfolio of department stores in only four weeks. Managed and reviewed the assessments in support of a real estate transaction that was successfully completed.

Telecom

- **Environmental & Natural Resource Assessments, California**
  Performed more than 20 modified Phase I ESAs, NEPA checklists and historical reports required or construction of cell phone towers. Services were provided in support of client's telecommunication service expansion and antenna placement.

Municipal

- **Phase I ESAs, Various School Districts and Municipal Agencies, Southern California**
  Project Manager responsible for managing Phase I ESAs for various sites for various school districts and municipal agencies, such as Los Angeles County and Los Angeles Metropolitan Transportation Authority.

PROFESSIONAL REGISTRATIONS

- California DTSC, Registered Environmental Assessor I, REA I-07935, 2004-2012 (program discontinued)

EDUCATION

- B.S., Criminal Justice, West Chester University of Pennsylvania, 1993

TRAINING AND CERTIFICATIONS

- OSHA 40-Hour Hazardous Waste Operations Training (29 CFR 1910.120), 2000
- EPA AHERA Certified Asbestos Building Inspector, 2000
- 16-Hour Microbial Investigations, Assessments, and Remediation in the Indoor Environmental Training Course, 2006
- First Aid/CPR Training

PROFESSIONAL AFFILIATIONS

- Environmental Bankers Association
- The Due Diligence Group

APPENDIX I

TERMINOLOGY

TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Italics indicate terms that are defined by ASTM Standard Practice E1527-13. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions or additional explanation regarding the meaning of terms.

recognized environmental condition(s) (REC) - 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.

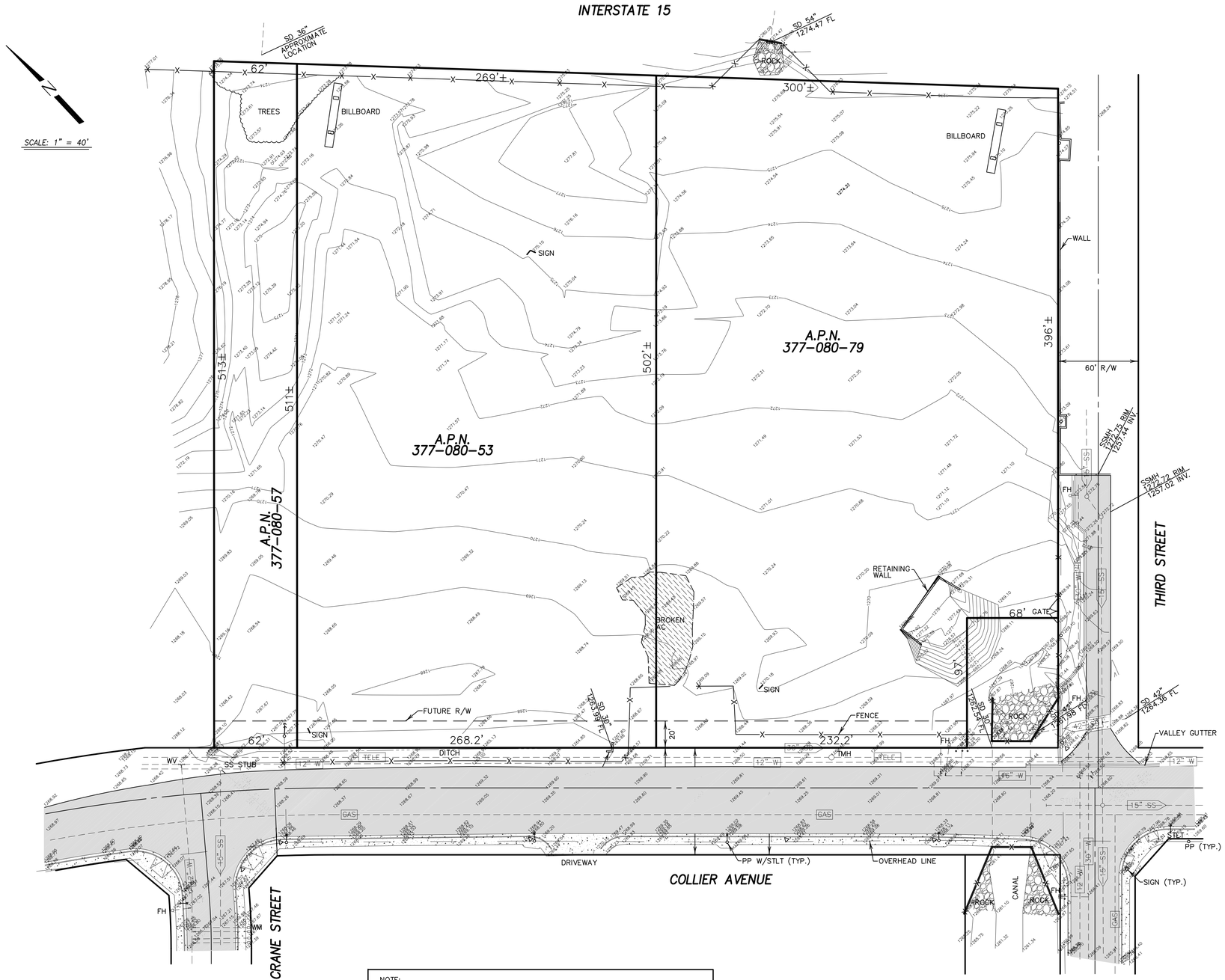
material threat - a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional (EP), is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and which shows evidence of damage such that it may cause or contribute to tank integrity failure with a release of contents to the environment.

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 the appropriate governmental agencies. An example might include a release of *hazardous substances* or *petroleum products* that could reasonably and foreseeably result in a concentration exceeding the applicable regulatory agency risk-based residential standards or substantial damage to natural resources. The risk of that exposure or damage would represent a threat to human health or the environment. If an enforcement action would be less likely than not, then the condition is considered to be generally not likely the subject of an enforcement action. A condition determined to be *de minimis* is not a *REC* or *controlled recognized environmental condition (CREC)*.

historical recognized environmental condition(s) (HREC) - a past release of any *hazardous substances* or *petroleum products* that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a *HREC*, the EP must determine whether the past release is a *REC* at the time the assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a *REC* at the time the Phase I ESA is conducted, the condition will be reported in Section 1.2 the Findings and Conclusions Summary table as a *REC*.

controlled recognized environmental condition (CREC) - a *recognized environmental condition* resulting from a past release of *hazardous substances* or *petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (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 limitation, institutional controls, or engineering controls). Per E1527-13, a *CREC* will be reported in the Section 1.2 Findings and Conclusions Summary table as a *CREC* and a *REC*.

migrate/migration - refers to the movement of *hazardous substances* or *petroleum products* in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.



LEGEND

FH	FIRE HYDRANT
FL	FLOWLINE
INV.	INVERT
PP	POWER POLE
R/W	RIGHT OF WAY
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STLT	STREET LIGHT
TMH	TELEPHONE MANHOLE
W	WATER
WM	WATER METER
WV	WATER VALVE
16" W	WATER LINE
GAS	GAS LINE
30" SD	STORM DRAIN LINE
15" SS	SEWER LINE
	OVERHEAD LINE
	ROCK
	PAVEMENT
	CONCRETE
	BROKEN AC

NOTE:
1. ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND BASED ON SURVEYED UTILITIES AND IMPROVEMENT PLANS.

DILLON & MURPHY

CONSULTING CIVIL ENGINEERS

ENGINEERING • PLANNING • SURVEYING

847 N. CLUFF AVENUE, SUITE A2, LODI, CALIFORNIA 95240 (209) 334-6613

LAKE ELSINORE HONDA

TOPOGRAPHIC SURVEY SITE PLAN

LAKE ELSINORE, CALIFORNIA
APRIL, 2017

REV. NO.	DESCRIPTION	DATE

SCALE: 1" = 40'
DRAWN BY: SM
DESIGNED BY:
CHECKED BY: CD
AS BUILT BY:

BENCH MARK: B 95-55 EL: 1270.68
DESCRIPTION: FROM THE APPROX. INTERSECTION OF COLLIER AVENUE AND THIRD STREET 45 NORTHWESTERLY ALONG COLLIER AND 45 FEET SOUTHWESTERLY TO THE SOUTHERLY END OF HEAD WALL AT CHANNEL.

SHEET 1 OF 1 SHEETS
JOB NO. 1716

S:\2017\1716\Civil\Drawings\Final_Sheet_Topographic Survey.dwg Apr 25, 2017

Appendix 5: LID Infeasibility

LID Technical Infeasibility Analysis

- Refer to Section D of this WQMP for Feasibility Analysis

Appendix 6: BMP Design Details

BMP Sizing, Design Details and other Supporting Documentation

- *Santa Ana Watershed - BMP Design Volume*
- *Bioretention Facility – BMP A*
- *Bioretention Facility - BMP B*

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Based on Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name	David Evans and Associates Inc	Date	1/30/2018
Designed by	Michael Becerra	Case No	
Company Project Number/Name	Lake Elsinore - Honda Center		

BMP Identification

BMP NAME / ID: DMA A and DMA B

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.68 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	Design Storm Depth (in)	Design Capture Volume, V_{BMP} (cubic feet)	Proposed Volume on Plans (cubic feet)
DMA A	*72745*	*Mixed Surface Types*	*1.00*	*0.89*	*64743*		*3668.78*	*3668.78*
DMA B	*209088*	*Mixed Surface Types*	*1.00*	*0.89*	*186088*		*10545.00*	*10545.00*
						0.68		
	281833	***Total***			**250832**	**0.68**	***14214***	***14631***

Notes:

Bioretention Facility - Design Procedure	BMP ID: BMP A	Legend:	Required Entries / Calculated Cells

Company Name:	David Evans and Associates Inc	Date:	4/2/2018
Designed by:	Michael Becerra	County/City Case No.:	

Design Volume

Enter the area tributary to this feature	A_T=	1.67	acres
Enter V_{BMP} determined from Section 2.1 of this Handbook	V_{BMP}=	3,669	ft^3

Type of Bioretention Facility Design

- ○ Side slopes required (parallel to parking spaces or adjacent to walkways)
- ◉ No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer	d_S =	2.0	ft
Top Width of Bioretention Facility, excluding curb	w_T =	30.0	ft
Total Effective Depth, d_E			
$d_E = [(0.3) \times d_S + (0.4) \times 1] + 0.5$	d_E =	1.50	ft
Minimum Surface Area, A_m			
$A_M\ (ft^2) = \frac{V_{BMP}\ (ft^3)}{d_E\ (ft)}$	A_M =	2,446	ft^2
Proposed Surface Area	A=	2,646	ft^2
Minimum Required Length of Bioretention Facility, L	L =	81.5	ft

Bioretention Facility Properties

Side Slopes in Bioretention Facility	z =	0	:1
Diameter of Underdrain		6	inches
Longitudinal Slope of Site (3% maximum)		0	%
6" Check Dam Spacing		0	feet
Describe Vegetation:			

Notes:

Bioretention Facility - Design Procedure	BMP ID: BMP B	Legend:	Required Entries / Calculated Cells

Company Name:	David Evans and Associates Inc	Date:	4/2/2018
Designed by:	Michael Becerra	County/City Case No.:	

Design Volume

Enter the area tributary to this feature	A_T=	4.80	acres
Enter V_{BMP} determined from Section 2.1 of this Handbook	V_{BMP}=	10,545	ft^3

Type of Bioretention Facility Design

- ○ Side slopes required (parallel to parking spaces or adjacent to walkways)
- ◉ No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer	d_S =	2.2	ft
Top Width of Bioretention Facility, excluding curb	w_T =	25.0	ft
Total Effective Depth, d_E			
$d_E = [(0.3) \times d_S + (0.4) \times 1] + 0.5$	d_E =	1.56	ft
Minimum Surface Area, A_m			
$A_M\ (ft^2) = \frac{V_{BMP}\ (ft^3)}{d_E\ (ft)}$	A_M =	6,760	ft^2
Proposed Surface Area	A=	6,886	ft^2
Minimum Required Length of Bioretention Facility, L	L =	270.4	ft

Bioretention Facility Properties

Side Slopes in Bioretention Facility	z =	0	:1
Diameter of Underdrain		6	inches
Longitudinal Slope of Site (3% maximum)		0	%
6" Check Dam Spacing		0	feet
Describe Vegetation:			

Notes:

- *City approval for Hydromodification Exemption*

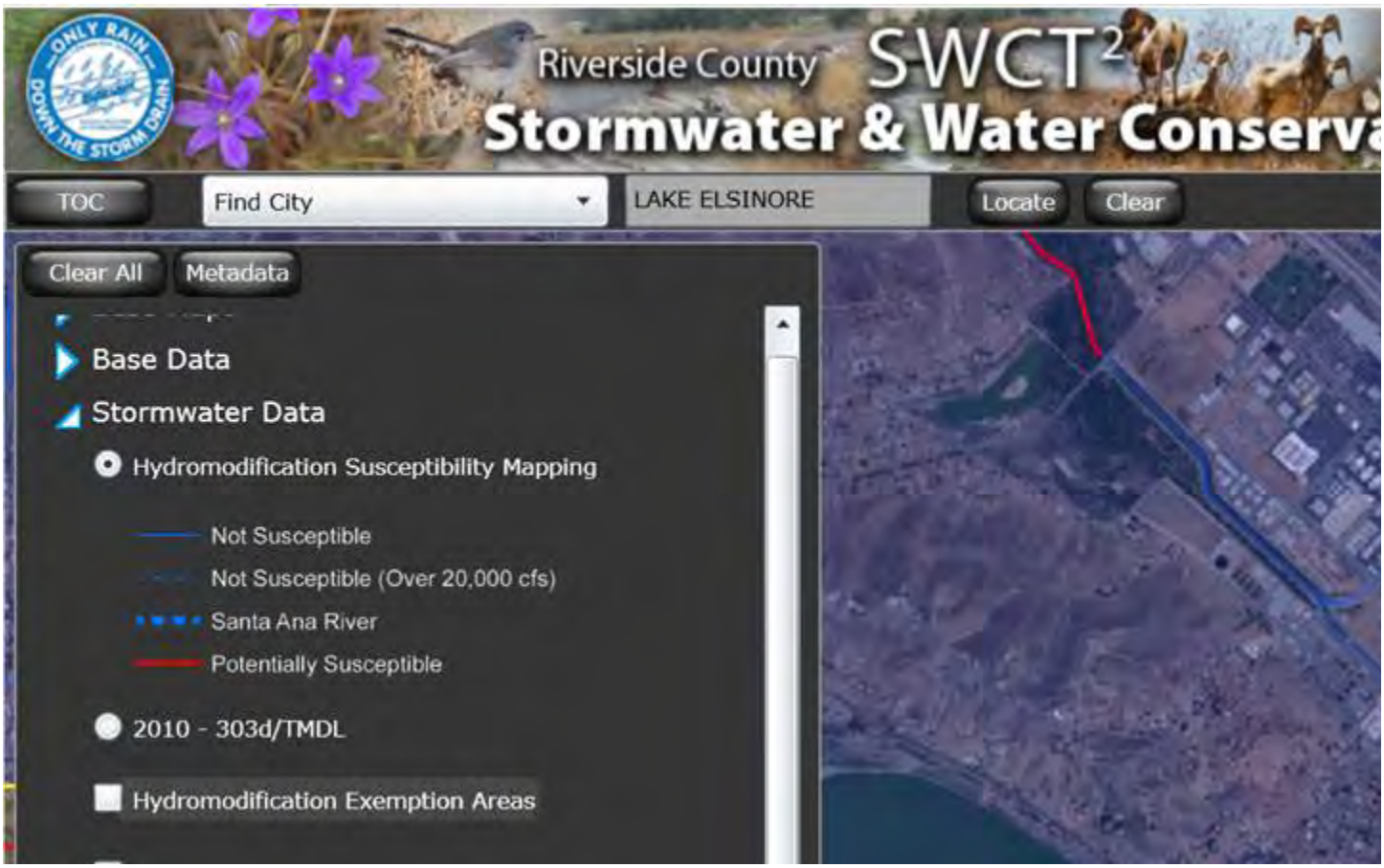
Michael Becerra

From: Rita Thompson <rthompson@Lake-Elsinore.org>
Sent: Tuesday, January 23, 2018 2:34 PM
To: Aaron Cook
Cc: Michael Becerra; sbeswick007@yahoo.com
Subject: RE: Honda Hydrology Summary Table

Hi Aaron,

Based on your calculations and the current elevations shown for the channel, it is the City's opinion that at least some of your flows will go towards the lake, as such, you merit the highest and best use exemption.

The Temescal Creek (aka channel) from its outfall at the lake north to Riverside Drive is an engineered and maintained facility and as such, is not susceptible to hydromodificaiton



Here is the contact information for EVMWD:

Jason Daffom, P.E. Engineering Manager
jdafforn@EVMWD.net
EVMWD
31315 Chaney Street
Lake Elsinore, CA 92530

Telephone (951) 674-3146

Rita Thompson
Senior Engineering Technician
NPDES Stormwater Coordinator
City of Lake Elsinore
130 S. Main Street
Lake Elsinore, CA 92530
951-674-3124 x308

From: Aaron Cook [mailto:ACook@deainc.com]
Sent: Monday, January 22, 2018 5:19 PM
To: Rita Thompson <rthompson@Lake-Elsinore.org>
Cc: Michael Becerra <MBecerra@deainc.com>
Subject: Honda Hydrology Summary Table

Hi Rita,

Based on our phone conversation, I attached the flow rate summary table from our hydrology report. This lists proposed and existing condition flow rates for 100 year and 2 year events.

The combined unmitigated 100-year flow is 19.03 cfs.

Please let me know if you have any questions or need any more information.

Thank you,

Aaron Cook, PE, QSD | Project Manager, Land Development | Civil Engineering
David Evans and Associates, Inc.
41951 Remington Avenue, Suite 220 | Temecula, CA, 92590 | www.deainc.com
d: 951.294.9326 | c: 801.636.7167 | cisco: 39326 | acook@deainc.com

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DAVID EVANS AND ASSOCIATES INC.

Appendix 8: Source Control

Pollutant Sources/Source Control Checklist

- *Stormwater Pollutant Sources/Source Control Checklist*

STORMWATER POLLUTANT SOURCES/SOURCE CONTROL CHECKLIST

How to use this worksheet (also see instructions in Section G of the WQMP Template):

1. Review Column 1 and identify which of these potential sources of stormwater pollutants apply to your site. Check each box that applies.
2. Review Column 2 and incorporate all of the corresponding applicable BMPs in your WQMP Exhibit.
3. Review Columns 3 and 4 and incorporate all of the corresponding applicable permanent controls and operational BMPs in your WQMP. Use the format shown in Table G.1on page 23 of this WQMP Template. Describe your specific BMPs in an accompanying narrative, and explain any special conditions or situations that required omitting BMPs or substituting alternative BMPs for those shown here.

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☒ A. **On-site storm drain inlets**	☒ **Locations of inlets.**	☐ **Mark all inlets with the words "Only Rain Down the Storm Drain" or similar. Catch Basin Markers may be available from the Riverside County Flood Control and Water Conservation District, call 951.955.1200 to verify.**	☒ **Maintain and periodically repaint or replace inlet markings.** ☐ **Provide stormwater pollution prevention information to new site owners, lessees, or operators.** ☒ **See applicable operational BMPs in Fact Sheet SC-44, "Drainage System Maintenance," in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com** ☐ **Include the following in lease agreements: "Tenant shall not allow anyone to discharge anything to storm drains or to store or deposit materials so as to create a potential discharge to storm drains."**
☐ B. **Interior floor drains and elevator shaft sump pumps**		☐ **State that interior floor drains and elevator shaft sump pumps will be plumbed to sanitary sewer.**	☐ **Inspect and maintain drains to prevent blockages and overflow.**
☐ C. **Interior parking garages**		☐ **State that parking garage floor drains will be plumbed to the sanitary sewer.**	☐ **Inspect and maintain drains to prevent blockages and overflow.**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☐ D1. **Need for future indoor & structural pest control**		☐ **Note building design features that discourage entry of pests.**	☐ **Provide Integrated Pest Management information to owners, lessees, and operators.**
☒ D2. **Landscape/ Outdoor Pesticide Use**	☒ **Show locations of native trees or areas of shrubs and ground cover to be undisturbed and retained.** ☒ **Show self-retaining landscape areas, if any.** ☒ **Show stormwater treatment and hydrograph modification management BMPs. (See instructions in Chapter 3, Step 5 and guidance in Chapter 5.)**	**State that final landscape plans will accomplish all of the following.** ☒ **Preserve existing native trees, shrubs, and ground cover to the maximum extent possible.** ☒ **Design landscaping to minimize irrigation and runoff, to promote surface infiltration where appropriate, and to minimize the use of fertilizers and pesticides that can contribute to stormwater pollution.** ☐ ☒ **Where landscaped areas are used to retain or detain stormwater, specify plants that are tolerant of saturated soil conditions.** ☐ ☒ **Consider using pest-resistant plants, especially adjacent to hardscape.** ☐ ☒ **To insure successful establishment, select plants appropriate to site soils, slopes, climate, sun, wind, rain, land use, air movement, ecological consistency, and plant interactions.**	☒ **Maintain landscaping using minimum or no pesticides.** ☐ **See applicable operational BMPs in "What you should know for…..Landscape and Gardening"** at http://rcflood.org/stormwater/**Error! Hyperlink reference not valid.** ☐ **Provide IPM information to new owners, lessees and operators.**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☐ E. **Pools, spas, ponds, decorative fountains, and other water features.**	☐ **Show location of water feature and a sanitary sewer cleanout in an accessible area within 10 feet. (Exception: Public pools must be plumbed according to County Department of Environmental Health Guidelines.)**	**If the Co-Permittee requires pools to be plumbed to the sanitary sewer, place a note on the plans and state in the narrative that this connection will be made according to local requirements.**	☐ **See applicable operational BMPs in** "Guidelines for Maintaining Your Swimming Pool, Jacuzzi and Garden Fountain" at http://rcflood.org/stormwater/
☐ F. **Food service**	☐ **For restaurants, grocery stores, and other food service operations, show location (indoors or in a covered area outdoors) of a floor sink or other area for cleaning floor mats, containers, and equipment.** ☐ **On the drawing, show a note that this drain will be connected to a grease interceptor before discharging to the sanitary sewer.**	☐ **Describe the location and features of the designated cleaning area.** ☐ **Describe the items to be cleaned in this facility and how it has been sized to insure that the largest items can be accommodated.**	☐ **See the brochure, "**The Food Service Industry Best Management Practices for: Restaurants, Grocery Stores, Delicatessens and Bakeries" at http://rcflood.org/stormwater/ **Provide this brochure to new site owners, lessees, and operators.**
☒ G. **Refuse areas**	☒ **Show where site refuse and recycled materials will be handled and stored for pickup. See local municipal requirements for sizes and other details of refuse areas.** ☒ **If dumpsters or other receptacles are outdoors, show how the designated area will be covered, graded, and paved to prevent run-on and show locations of berms to prevent runoff from the area.** ☐ **Any drains from dumpsters, compactors, and tallow bin areas shall be connected to a grease removal device before discharge to sanitary sewer.**	☒ **State how site refuse will be handled and provide supporting detail to what is shown on plans.** ☒ **State that signs will be posted on or near dumpsters with the words "Do not dump hazardous materials here" or similar.**	☒ **State how the following will be implemented:** **Provide adequate number of receptacles. Inspect receptacles regularly; repair or replace leaky receptacles. Keep receptacles covered. Prohibit/prevent dumping of liquid or hazardous wastes. Post "no hazardous materials" signs. Inspect and pick up litter daily and clean up spills immediately. Keep spill control materials available on-site. See Fact Sheet SC-34, "Waste Handling and Disposal" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ H. **Industrial processes.**	❑ **Show process area.**	❑ **If industrial processes are to be located on site, state: "All process activities to be performed indoors. No processes to drain to exterior or to storm drain system."**	❑ **See Fact Sheet SC-10, "Non-Stormwater Discharges" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com** See the brochure "Industrial & Commercial Facilities Best Management Practices for: Industrial, Commercial Facilities" at http://rcflood.org/stormwater/

STORMWATER POLLUTANT SOURCES/SOURCE CONTROL CHECKLIST

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☒ I. **Outdoor storage of equipment or materials. (See rows J and K for source control measures for vehicle cleaning, repair, and maintenance.)**	☐ **Show any outdoor storage areas, including how materials will be covered. Show how areas will be graded and bermed to prevent run-on or run-off from area.** ☒ **Storage of non-hazardous liquids shall be covered by a roof and/or drain to the sanitary sewer system, and be contained by berms, dikes, liners, or vaults.** ☒ **Storage of hazardous materials and wastes must be in compliance with the local hazardous materials ordinance and a Hazardous Materials Management Plan for the site.**	**Include a detailed description of materials to be stored, storage areas, and structural features to prevent pollutants from entering storm drains.** **Where appropriate, reference documentation of compliance with the requirements of Hazardous Materials Programs for:** ▪ **Hazardous Waste Generation** ▪ **Hazardous Materials Release Response and Inventory** ▪ **California Accidental Release (CalARP)** ▪ **Aboveground Storage Tank** ▪ **Uniform Fire Code Article 80 Section 103(b) & (c) 1991** ▪ **Underground Storage Tank** **www.cchealth.org/groups/hazmat/**	☒ **See the Fact Sheets SC-31, "Outdoor Liquid Container Storage" and SC-33, "Outdoor Storage of Raw Materials " in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

STORMWATER POLLUTANT SOURCES/SOURCE CONTROL CHECKLIST

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☒ J. **Vehicle and Equipment Cleaning**	☒ **Show on drawings as appropriate:** **(1) Commercial/industrial facilities having vehicle/equipment cleaning needs shall either provide a covered, bermed area for washing activities or discourage vehicle/equipment washing by removing hose bibs and installing signs prohibiting such uses.** **(2) Multi-dwelling complexes shall have a paved, bermed, and covered car wash area (unless car washing is prohibited on-site and hoses are provided with an automatic shut-off to discourage such use).** **(3) Washing areas for cars, vehicles, and equipment shall be paved, designed to prevent run-on to or runoff from the area, and plumbed to drain to the sanitary sewer.** **(4) Commercial car wash facilities shall be designed such that no runoff from the facility is discharged to the storm drain system. Wastewater from the facility shall discharge to the sanitary sewer, or a wastewater reclamation system shall be installed.**	☐ **If a car wash area is not provided, describe any measures taken to discourage on-site car washing and explain how these will be enforced.**	**Describe operational measures to implement the following (if applicable):** ☒ **Washwater from vehicle and equipment washing operations shall not be discharged to the storm drain system.** Refer to "Outdoor Cleaning Activities and Professional Mobile Service Providers" for many of the Potential Sources of Runoff Pollutants categories below. Brochure can be found at http://rcflood.org/stormwater/ ☐ **Car dealerships and similar may rinse cars with water only.**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☒ K. **Vehicle/Equipment Repair and Maintenance**	☒ **Accommodate all vehicle equipment repair and maintenance indoors. Or designate an outdoor work area and design the area to prevent run-on and runoff of stormwater.** ❑ **Show secondary containment for exterior work areas where motor oil, brake fluid, gasoline, diesel fuel, radiator fluid, acid-containing batteries or other hazardous materials or hazardous wastes are used or stored. Drains shall not be installed within the secondary containment areas.** ☒ **Add a note on the plans that states either (1) there are no floor drains, or (2) floor drains are connected to wastewater pretreatment systems prior to discharge to the sanitary sewer and an industrial waste discharge permit will be obtained.**	☒ **State that no vehicle repair or maintenance will be done outdoors, or else describe the required features of the outdoor work area.** ☒ **State that there are no floor drains or if there are floor drains, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements.** ☒ **State that there are no tanks, containers or sinks to be used for parts cleaning or rinsing or, if there are, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements.**	**In the Stormwater Control Plan, note that all of the following restrictions apply to use the site:** ☒ **No person shall dispose of, nor permit the disposal, directly or indirectly of vehicle fluids, hazardous materials, or rinsewater from parts cleaning into storm drains.** ☒ **No vehicle fluid removal shall be performed outside a building, nor on asphalt or ground surfaces, whether inside or outside a building, except in such a manner as to ensure that any spilled fluid will be in an area of secondary containment. Leaking vehicle fluids shall be contained or drained from the vehicle immediately.** ☒ **No person shall leave unattended drip parts or other open containers containing vehicle fluid, unless such containers are in use or in an area of secondary containment.** Refer to "Automotive Maintenance & Car Care Best Management Practices for Auto Body Shops, Auto Repair Shops, Car Dealerships, Gas Stations and Fleet Service Operations". Brochure can be found at http://rcflood.org/stormwater/ Refer to Outdoor Cleaning Activities and Professional Mobile Service Providers for many of the Potential Sources of Runoff Pollutants categories below. Brochure can be found at http://rcflood.org/stormwater/

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☒ L. **Fuel Dispensing Areas**	☒ **Fueling areas[6] shall have impermeable floors (i.e., portland cement concrete or equivalent smooth impervious surface) that are: a) graded at the minimum slope necessary to prevent ponding; and b) separated from the rest of the site by a grade break that prevents run-on of stormwater to the maximum extent practicable.** ☒ **Fueling areas shall be covered by a canopy that extends a minimum of ten feet in each direction from each pump. [Alternative: The fueling area must be covered and the cover's minimum dimensions must be equal to or greater than the area within the grade break or fuel dispensing area[1].] The canopy [or cover] shall not drain onto the fueling area.**		☒ **The property owner shall dry sweep the fueling area routinely.** ☒ **See the Fact Sheet SD-30 , "Fueling Areas" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

[6] **The fueling area shall be defined as the area extending a minimum of 6.5 feet from the corner of each fuel dispenser or the length at which the hose and nozzle assembly may be operated plus a minimum of one foot, whichever is greater.**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ M. **Loading Docks**	❑ **Show a preliminary design for the loading dock area, including roofing and drainage. Loading docks shall be covered and/or graded to minimize run-on to and runoff from the loading area. Roof downspouts shall be positioned to direct stormwater away from the loading area. Water from loading dock areas shall be drained to the sanitary sewer, or diverted and collected for ultimate discharge to the sanitary sewer.** ❑ **Loading dock areas draining directly to the sanitary sewer shall be equipped with a spill control valve or equivalent device, which shall be kept closed during periods of operation.** ❑ **Provide a roof overhang over the loading area or install door skirts (cowling) at each bay that enclose the end of the trailer.**		❑ **Move loaded and unloaded items indoors as soon as possible.** ❑ **See Fact Sheet SC-30, "Outdoor Loading and Unloading," in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☐ N. **Fire Sprinkler Test Water**		☐ **Provide a means to drain fire sprinkler test water to the sanitary sewer.**	☐ **See the note in Fact Sheet SC-41, "Building and Grounds Maintenance," in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**
O. **Miscellaneous Drain or Wash Water or Other Sources** ☒ **Boiler drain lines** ☐ **Condensate drain lines** ☒ **Rooftop equipment** ☐ **Drainage sumps** ☒ **Roofing, gutters, and trim.** ☐ **Other sources**		☒ **Boiler drain lines shall be directly or indirectly connected to the sanitary sewer system and may not discharge to the storm drain system.** ☐ **Condensate drain lines may discharge to landscaped areas if the flow is small enough that runoff will not occur. Condensate drain lines may not discharge to the storm drain system.** ☒ **Rooftop equipment with potential to produce pollutants shall be roofed and/or have secondary containment.** ☐ **Any drainage sumps on-site shall feature a sediment sump to reduce the quantity of sediment in pumped water.** ☒ **Avoid roofing, gutters, and trim made of copper or other unprotected metals that may leach into runoff.** **Include controls for other sources as specified by local reviewer.**	

STORMWATER POLLUTANT SOURCES/SOURCE CONTROL CHECKLIST

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☒ P. **Plazas, sidewalks, and parking lots.**			☒ **Sweep plazas, sidewalks, and parking lots regularly to prevent accumulation of litter and debris. Collect debris from pressure washing to prevent entry into the storm drain system. Collect washwater containing any cleaning agent or degreaser and discharge to the sanitary sewer not to a storm drain.**

Appendix 9: O&M

Operation and Maintenance Plan and Documentation of Finance, Maintenance and Recording Mechanisms