APPENDIX H1

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PARTNER
Engineering and Science, Inc.



PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Menifee Assemblage
Eight Parcels Southeast of Ethanac
and Dawson Roads
Menifee California 92585

Report Date: June 6, 2022
Partner Project No. 21-308686.7



Prepared for:

Core5 Industrial Partners
300 Spectrum Center Drive, Suite 880
Irvine California 92618

PARTNER
Engineering and Science, Inc.

June 6, 2022

Mr. Jon Kelly
Core5 Industrial Partners
300 Spectrum Center Drive, Suite 880
Irvine California 92618

Subject: Phase I Environmental Site Assessment
Menifee Assemblage
Eight Parcels Southeast of Ethanac and Dawson Roads
Menifee California 92585
Partner Project No. 21-308686.7

Dear Mr. Kelly:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at 818-337-1203.

Sincerely,



Misty Ponce
Principal

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Core5 Industrial Partners for the property located at Eight Parcels Southeast of Ethanac and Dawson Roads in Menifee, Riverside County, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Core5 Industrial Partners with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the south side of Ethanac Road and the east side of Dawson Road within a historically agricultural area of Riverside County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Address:	Eight Parcels Southeast of Ethanac and Dawson Roads, Menifee, California
Additional Addresses:	26277 and 26245 Antelope Road; 26245, 26230, and 26330 Dawson Road
Property Use:	Vacant and Industrial
Land Acreage (Ac):	45.46 Ac
Number of Buildings:	None
Assessor's Parcel Number (APN):	331-150-037 (Motte Parcel); 331-150-044 (Courtney Parcel); 331-150-039, 331-150-040, and 331-150-045 (Smith Parcels); 331-150-036 (Kavianna Parcel); 331-150-041 (Dutta Parcel); 331-150-042 (Gentillon Parcel)
Current Tenants:	Owner is reported as following: • Motte Towne Center, LLC • George G. Courtney III and Marie E. Courtney, Co-Trustees of the Courtney Family Trust & Robert Kushner and Lisa Kushner • Sahara Scaffold Inc. • Kavianna Inc. • Malvinder Singh Dutta, as a Married Man and Tajinder Singh Dutta, a Married Man, each as to an undivided 50% interest as T/C • John Val Gentillon and Leysa Swanson Gentillon, Co-Trustees of the Gentillon 2000 Family Trust
Site Assessment Performed By:	Margaret Thomas of Partner,
Site Assessment Conducted On:	February 11, 2021 and May 12, 2021 ,

Motte Parcel

- The subject property is currently vacant land covered with grass and dried weeds surrounded by chain-link fencing. A street address was not identified or reported for the subject property, and the property does not appear to have been graded. No structures or other improvements are present with the exception of an asphalt vehicle entry pad along Antelope Road and a historical irrigation standpipe constructed of concrete located along the east side of the property. According to the Eastern Municipal Water District (EMWD), this standpipe is a private abandoned 14-inch irrigation line used to control irrigation water associated with historical farming operations. The subject property is not identified on the regulatory databases searched.
- According to available historical sources, the subject property was formerly cultivated agricultural land dating from circa 1938 (or earlier based on historical resources) through 1997; was used for planter soil sales and distribution with stockpiles and exterior storage from circa 2002 to 2007; and was vacant land from 2009 to the present. No business names were identified or reported.
- The immediately surrounding properties consist of vacant land to the north (Courtney parcel); a recreational vehicle (RV) storage lot (RV Storage of Murrieta Valley) to the south at 26311 Antelope Road; Antelope Road to the east followed by Inland Empire Energy Center, an electric utility company opened in 2009 at 26226 Antelope Road; and vacant (historically agricultural) land to the west.

Courtney Parcel

- The subject property is currently vacant land covered with grass and dried weeds surrounded by chain-link fencing topped with barbed wire. The surface of the subject property is also covered with pea gravel in many areas placed during prior use as a heavy equipment storage lot. In addition, a plastic pipe was observed on the north side of the property protruding approximately three feet from the ground that appeared to be a water or sewer marker; however, its use was not confirmed. The property does not appear to have been graded. No structures or other improvements are present with the exception of an asphalt vehicle entry pad along Antelope Road.
- According to available historical sources, the subject property was formerly cultivated agricultural land dating back to circa 1938 to 1997 and may date back to the mid-1800s based on Menifee history; was used as a heavy equipment storage lot in connection with the adjacent parcel to the north from circa 2000 to 2009 at the address of 26245 Antelope Road; and was vacant land from 2010 to the present. A prior business name was identified as American Contracting Inc., excavation contractors in 2010 at 26245 Antelope Road.
- The immediately surrounding properties consist of Sahara Scaffold Inc. facility at 26245 Antelope Road to the north; vacant land to the south (Motte parcel); Antelope Road to the east followed by Inland Empire Energy Center, an electric utility company opened in 2009 at 26226 Antelope Road; and vacant land (historically agricultural) to the west.

Smith Parcels

- The subject property is comprised of three contiguous parcels of land that are currently occupied by Sahara Scaffold Inc., as a storage yard for scaffolding materials including vehicle maintenance. The property is covered with gravel with the western parcel primarily vacant (APN 331-150-040) and the scaffolding yard present on the two eastern parcels (APN 331-150-039 and 331-150-045). The subject property is surrounded by chain-link fencing, and site access for the onsite business is from Antelope Road at this time. Site developments include three or four concrete pads covered with open-sided metal awning structures, several temporary power poles, an inground electrical line and/or historical irrigation feature on the west side of the property, and a pad-mounted electrical meter and switch gear box on the east side of the property. A long earthen berm is located along the length of the north property line where a surface drainage channel (dry) is present that flows to the west. No sewer system is reported at the subject property; however, the property has a water spigot located in the maintenance area where vehicle spray down was observed. Vehicle maintenance is conducted on the south side of APN 331-150-045. The subject property is identified on the regulatory database as a RCRA Non-Generator of hazardous waste under the current tenant Sahara Scaffold Inc. (2017) and prior tenant American Contracting Inc. (2010).
- According to available historical sources, the subject property was formerly agricultural land dating back to circa 1938 to 2000 and may date back to the mid-1800s based on Menifee history; was used as a contractor's equipment storage yard from circa 2000 to the present with initial storage uses on the south parcel (APN 331-150-045) and by 2006 all three parcels were used for storage (equipment, vehicles, storage containers, trailers, and other items). Business names identified at the subject property included American Contracting Inc. (2010), Southern California Edison Material Yard (2011 at north side parcel(s)), and Sahara Scaffold Inc (2017 to present).
- The immediately surrounding properties consist of several residential and commercial storage lots fronting Ethanac Road to the north; vacant land to the south identified as Courtney Parcel (26277 Antelope Road, APN 331-150-044) and Kavianna Parcel (APN 331-150-036); Antelope Road to the east followed by Holliday Trucking Ready Mix Concrete inactive facility (26100 Antelope Road) and Inland Empire Energy Center LLC (26226 Antelope Road); and Dawson Road to the west followed by a large tract of vacant land (historically agricultural).

Kavianna Parcel

- The subject property is currently vacant land covered with gravel, dried grass and weeds and a few trees surrounded by chain-link fencing. Dawson Road is an unpaved thoroughfare. No structures are present, and no infrastructure within the property was reported with the exception of a power pole with light fixture at the entrance off Dawson Road. A sign is present on the power pole that reads Kiewit 26245 Dawson Road. The subject property is not identified on the regulatory databases searched, and no County regulatory files were identified for the property address.

- According to available historical sources, the subject property was formerly agricultural land dating back to circa 1938 to 2002 and may date back to the mid-1800s based on Menifee history; was used as a contractors storage yard from circa 2000 to 2013; and was vacant land from 2014 to the present. Business names identified at the subject property address included Kiewit Construction Company, Kiewit-Granite Joint Venture (2000) Kiewit Pacific (2005), and Kiewit Infrastructure West Company (2008-2013).
- The immediately surrounding properties consist of vacant land to the north identified as Smith Parcel (APN 331-150-040); vacant land to the south identified as Dutta Parcel (26330 Dawson Road, APN 331-150-041); vacant land identified as Courtney Parcel (26277 Antelope Road, APN 331-150-044) and Sahara Scaffold storage yard (26245 Antelope Road, APN 331-150-045) to the east; and Dawson Road to the west followed by a large tract of vacant land (historically agricultural).

Dutta Parcel

- The subject property is currently vacant land covered with gravel, dried grass and weeds, and a tree and surrounded by chain-link fencing. Dawson Road is an unpaved thoroughfare. No structures are present, and no infrastructure within the property was reported. Items identified at the property included two small gravel piles, two concrete road barriers and a metal plow part. The subject property is not identified on the regulatory databases searched.
- According to available historical sources, the subject property was formerly agricultural land dating back to circa 1938 to 2002 and may date back to the mid-1800s based on Menifee history; was used as a contractors storage yard from circa 2002 to 2014; and was vacant land from circa 2014 to the present. Business names identified at the subject property address included Ladd Associates Inc. (2002 to 2007), Foxfire Constructors Inc. (2009 to 2014) and LH Woods & Sons (2014).
- The immediately surrounding properties consist of vacant land to the north identified as Kavianna Parcel at 26245 Dawson Road, APN 331-150-036; vacant land to the south identified as Gentillon Parcel, APN 331-150-042; vacant land to the east identified as owner Motte Town Center LLC, APN 331-150-037; and Dawson Road to the west followed by a large tract of vacant land (historically agricultural). None of the adjacent properties were identified on the regulatory database report.

Gentillon Parcel

- The subject property is currently vacant land covered with gravel, dried grass and weeds, and a tree and surrounded by chain-link fencing. Dawson Road is an unpaved thoroughfare, and a street address was not identified or reported for the subject property parcel. No structures are present, although an electric box and water spigot are present that, according to the property owner, are associated with their adjacent property. A large pile of rock/rubble mixed with soil is present toward the north central portion of the property, and small piles of discarded building materials (roofing tiles, rocks, two tires, and wood planks) are present at the southeast corner of

the property. According to the property owner, the source of the rubble and debris is from a removal at a jobsite. The subject property is not identified on the regulatory databases searched.

- According to available historical sources, the subject property was formerly agricultural land dating back to circa 1938 to 2002 and may date back to the mid-1800s based on Menifee history; was used as a contractor's storage and fabrication yard with mobile home from circa 2006 to 2012; and was vacant land from 2016 to the present. No business names were identified or reported.
- The immediately surrounding properties consist of vacant land to the north identified as Dutta Parcel at 26330 Dawson Road, APN 331-150-041; a residence and storage lot to the south at 26400 Dawson Road (also owned by Gentillon family); a recreational vehicle (RV) storage lot (RV Storage of Murrieta Valley, 26311 Antelope Road) and a vacant parcel of land (Motte Town Center LLC Parcel) to the east; and Dawson Road to the west followed by vacant (historically agricultural) land and a residence to the southeast at 26375 Dawson Road. None of the adjacent properties were identified on the regulatory database report.
- According to information obtained from the Eastern Municipal Water District (EMWD) for two nearby wells, the depth to groundwater in the vicinity of the subject property is inferred to be approximately 71 to 96 feet below ground surface (bgs), and groundwater flow is inferred to be toward the west-southwest following surface topography.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment.

- Partner did not identify RECs during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

- Partner did not identify CRECs during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to 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.

- Partner did not identify HRECs during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion.

All Parcels

- The subject property parcels were historically used for agricultural purposes. There is a potential that agricultural related chemicals such as pesticides, herbicides and fertilizers, may have been used and stored onsite. It is expected that during grading and redevelopment activities that shallow soils containing any residual agricultural chemicals will be either removed or mixed with fill materials and further may be placed beneath structural fill materials that will reduce the potential for direct exposure to residual agricultural chemicals (if any). Furthermore, residual agricultural chemicals (if any) would have likely degraded since the site was last utilized for agricultural purposes. Based on these reasons, Partner concludes that the possible former use of agricultural chemicals is not expected to represent a significant environmental concern.

Motte Parcel

- The subject property was formerly used as a planter soil sales and distribution yard between circa 2002 and 2007, which is not expected to represent a significant environmental concern based on the short duration of time this business operated (less than 10 years) and as stockpiled soils appear to have been removed. In addition, future redevelopment earthwork is expected to either remove the fill soils or mix with native and/or fill materials, if suitable.

Courtney Parcel

- The subject property was formerly used as a heavy equipment storage yard in connection with the adjacent property to the north between circa 2000 and 2009. Although no regulatory records were identified for the subject property or adjacent property indicating the use of regulated quantities of hazardous substances, it is possible that maintenance activities and/or fueling were conducted on the equipment at or adjacent to the subject property. Prior heavy equipment storage uses are not expected to represent a significant environmental concern based on the short duration of time the business operated (approximately 10 years), lack of visual or reported staining on the ground, and lack of regulatory records identified indicating hazardous substances were used or stored at the facility. In addition, it is expected that future redevelopment earthwork will identify any residual impacts, if any, which will be handled/disposed at that time.

Smith Parcels

- The subject property is currently used as a contractor's storage yard dating back to circa 2000 where heavy equipment and materials are stored. During the site visit, vehicle maintenance activities were observed on the south side parcel on paved and unpaved surfaces that included the generation of hazardous waste identified as waste oil, waste coolant, used oil filters, and used batteries. Additional hazardous substances included containers of fresh motor oil, DEF (diesel exhaust fluid), fresh antifreeze, and other automotive fluids and cleaners including propane tanks to fuel several forklifts and various vehicle parts and tires. Liquid hazardous waste drums are situated on a secondary containment basin within a metal storage container with two drums of used oil filters situated on the concrete slab without secondary containment. Fresh automotive fluids are stored primarily on shelves. No significant staining or leaks were observed around the hazardous waste containers. The maintenance awning and slab appear to be newer features at

the subject property installed after 2016 most likely in connection with the current tenant's operations. Based on the short duration of time the property appears to have conducted vehicle maintenance activities with no signs of significant staining noted or reported including a lack of regulatory records or violations, vehicle maintenance activities do not appear to represent a significant environmental concern at this time.

- During the site visit a large amount of yellow acrylic paint (Glidden Essentials GLE-5013N Flat) was observed on the bare ground (gravel) due to overspray of wood beams. The paint readily dries on the gravel and is not expected to migrate into the subsurface. This area can be scraped and disposed (cleaned-up) as needed and does not appear to represent a significant environmental concern at this time.
- During the site visit, vehicles (trucks) were being sprayed down with water on the bare ground to remove dust and dirt that appeared to utilize water only. The spray down activity was being conducted in the maintenance area on the south side parcel only. Due to dry conditions, the water appeared to readily move across the surface and evaporate. No oil staining or detergents were observed to be used. It is not known how often or how long vehicles and equipment have been sprayed down in this area. In addition, vehicle radiators appeared to be sprayed down or washed out with water on the bare ground next to the water spigot in the same maintenance area. Dark oil staining was observed in this area around the spigot. It is not known how often or how long radiators and/or other equipment have been washed down in this area.

  Wastewater (including wash water) from any type of vehicle or equipment washing or spray down can contain substances such as oil and grease, petroleum products, dirt and grit, heavy metals, detergents, and other pollutants. These contaminants may cause pollution of surface water or ground water and result in violations of water quality standards if the wastewater is not properly managed. Therefore, persons involved in washing operations and the owners of subject property should follow appropriate Best Management Practices (BMPs) to prevent environmental impacts. Vehicle spray down does not appear to represent a significant environmental concern at this time; however, BMPs should be employed. Surficial oil staining observed around the water spigot may be excavated and disposed at the time of site redevelopment should it be deemed necessary.

Kavianna Parcel

- The subject property was formerly used as a contractor's storage yard from circa 2000 to 2013 where heavy equipment and an office trailer were located. The storage yard was owned and occupied by Kiewit under different business entity names and in which hazardous waste was generated during this time period. Hazardous waste was reported as waste oil and mixed oil, other unspecified oil-containing waste, solid waste, and off-spec, aged or surplus materials, and others. Based on the short duration of time the property was used for storage and observations that equipment and materials have been removed with no signs of staining or other environmental concerns noted or reported, the former use of the subject property as a contractor's storage yard is not expected to represent a significant environmental concern.

Dutta Parcel

- The subject property was formerly used as a contractor's storage yard from circa 2002 to 2014 with business names identified as Ladd Associate, Inc. (2007), Foxfire Constructors Inc. (2010 to 2014) and LH Woods & Sons (2014). Each of these tenants generated hazardous waste that appears to be waste oil, unspecified aqueous solution, unspecified solvent mixture, and unspecified solid waste. Based on the short duration of time the property was used for storage and observation that equipment and materials have been removed, with the exception of a few inert items (concrete road barriers, a metal plow part, and gravel) with no signs of staining or other environmental concerns noted, the former use of the subject property as a contractor's storage yard does not represent a significant environmental concern.

Gentillon Parcel

- The subject property was formerly used by Swanillon, Inc., dba The Land Stewards, as a contractor's storage and fabrication yard with mobile home from circa 2006 to 2012. Based on the short duration of time this business operated (less than 10 years), and observation that equipment and materials have been removed, with the exception of a few piles of rubble and building materials from a jobsite removal, the former use of the subject property as contractors' storage and fabrication yard does not represent a significant environmental concern.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of Eight Parcels Southeast of Ethanac and Dawson Roads in Menifee, Riverside County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- If redevelopment of the subject property is planned for residential use, sampling for agricultural chemicals is recommended.
- Best Management Practices (BMPs) should be employed at the subject property as it pertains to vehicle and equipment wash down to prevent environmental impacts.
- Surficial soil impacts identified at the subject property (paint and oil and grease) may be addressed at the time of site redevelopment through a Soil Management Plan (SMP). Should a higher level of environmental due diligence be desired, soil sampling may be conducted.

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 Purpose 1
1.2 Scope of Work 1
1.3 Limitations 2
1.4 User Reliance 2
1.5 Limiting Conditions 3
2.0 SITE DESCRIPTION 4
2.1 Site Location and Legal Description 4
2.2 Current Property Use 5
2.3 Current Use of Adjacent Properties 6
2.4 Physical Setting Sources 6
2.4.1 Topography 6
2.4.2 Hydrology 7
2.4.3 Geology/Soils 7
2.4.4 Flood Zone Information 8
3.0 HISTORICAL INFORMATION 9
3.1 Aerial Photograph Review 9
3.2 Fire Insurance Maps 14
3.3 City Directories 14
3.4 Historical Topographic Maps 15
4.0 REGULATORY RECORDS REVIEW 17
4.1 Regulatory Agencies 17
4.1.1 State Department 17
4.1.2 Health Department 18
4.1.3 Fire Department 18
4.1.4 Air Pollution Control Agency 19
4.1.5 Regional Water Quality Agency 19
4.1.6 Building Department 19
4.1.7 Planning Department 20
4.1.8 Oil & Gas Exploration 21
4.1.9 Assessor's Office 21
4.1.10 Other Agency 22
4.2 Mapped Database Records Search 22
4.2.1 Regulatory Database Summary 23
4.2.2 Subject Property Listings 23
4.2.3 Adjacent Property Listings 24
4.2.4 Sites of Concern Listings 26
4.2.5 Orphan Listings 26
5.0 USER PROVIDED INFORMATION AND INTERVIEWS 27
5.1 Interviews 27
5.1.1 Interview with Owner 27
5.1.2 Interview with Report User 29
5.1.3 Interview with Key Site Manager 29
5.1.4 Interviews with Past Owners, Operators and Occupants 29

5.1.5 Interview with Others 29
5.2 User Provided Information 29
5.2.1 Title Records, Environmental Liens, and AULs 29
5.2.2 Specialized Knowledge 30
5.2.3 Actual Knowledge of the User 30
5.2.4 Valuation Reduction for Environmental Issues 30
5.2.5 Commonly Known or Reasonably Ascertainable Information 30
5.2.6 Previous Reports and Other Provided Documentation 30
6.0 SITE RECONNAISSANCE 32
6.1 General Site Characteristics 32
6.2 Potential Environmental Hazards 33
6.3 Non-ASTM Services 35
6.3.1 Asbestos-Containing Materials (ACMs) 35
6.3.2 Lead-Based Paint (LBP) 35
6.3.3 Radon 36
6.3.4 Lead in Drinking Water 36
6.3.5 Mold 36
6.4 Adjacent Property Reconnaissance 37
7.0 FINDINGS AND CONCLUSIONS 38
8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS 42
9.0 REFERENCES 43

Figures

Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Topographic Map

Appendices

Appendix A Site Photographs
Appendix B Historical/Regulatory Documentation
Appendix C Regulatory Database Report
Appendix D Qualifications

1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at Eight Parcels Southeast of Ethanac and Dawson Roads in Menifee, Riverside County, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject

property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Core5 Industrial Partners engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Core5 Industrial Partners. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any

course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted Partner's standard Terms and Conditions, a copy of which can be found at http://www.partneresi.com/terms-and-conditions.php.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner submitted a Freedom of Information Act (FOIA) requests to the Riverside County Department of Environmental Health (DEH) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc., and the City of Menifee for information pertaining to building records issued to the subject property APNs and street addresses for the subject property. As of this writing, this agency has not completed Partner's entire public records request, although some information was received from the City. Based on information obtained from other historical and regulatory sources, this limitation is not expected to alter the overall findings of this assessment.

Due to time constraints associated with this report, the Client has requested the report despite the above-listed limitations.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property of Eight Parcels Southeast of Ethanac and Dawson Roads in Menifee, California is located on the south side of Ethanac Road and the east side of Dawson Road.

According to the Riverside County Assessor,

- The Motte Parcel of the subject property associated with Assessor's Parcel Number (APN) 331-150-037 and is legally described as 6.71 Acres M/L in Por Lot 123 And Lot 124 MB 011/038 Trumble Farms, and ownership is currently vested in Motte Towne Center, LLC as of 2005.
- The Courtney Parcel of the subject property is associated with Assessor's Parcel Number (APN) 331-150-044 and legally described as 4.84 Acres M/L in Lot 125 MB 011/038 Trumble Farms. According to reviewed information, the current owner is reported as George G. Courtney III and Marie E. Courtney, Co-Trustees of the Courtney Family Trust & Robert Kushner and Lisa Kushner as of 2018. The prior owner is reported as Trumble Properties LLC.
- The Smith Parcels of the subject property are associated with Assessor's Parcel Numbers (APNs) 331-150-039, 331-150-040 and 331-150-045 and legally described as 4.79 Acres M/L in Lot 127 MB 011/038 Trumble Farms; 4.86 Acres M/L in Lot 98 MB 011/038 Trumble Farms; and 4.84 Acres M/L in Lot 126 MB 011/038 Trumble Farms, respectively. According to reviewed information, the current owner is reported as Jack Jeffrey Smith and Dianne Marie Smith, Trustees as of 2017 (see also 5.2.1).
- The Kavianna Parcel of the subject property is associated with Assessor's Parcel Number (APN) 331-150-036 and is legally described as 9.70 Acres in Lots 99 and 100 MB 011/038 Trumble Farms. According to reviewed information, the current owner is reported as Kavianna Inc., a California Corporation as of February 2020 (see also 5.2.1).
- The Dutta Parcel of the subject property is associated with Assessor's Parcel Number (APN) 331-150-041 and is legally described as 4.86 acres M/L in Lot 101 MB 011/038 Trumble Farms. According to reviewed information, the current owner is reported as Malvinder Singh Dutta, as a Married Man and Tajinder Singh Dutta, a Married Man, each as to an undivided 50% interest as T/C as of October 2020 (see also 5.2.1).
- The Gentillon Parcel of the subject property is associated with Assessor's Parcel Number (APN) 331-150-042 and is legally described as 4.86 acres M/L in Lot 102 MB 011/038 Trumble Farms. According to reviewed information, the current owner is reported as John Val Gentillon and Leysa Swanson Gentillon, Co-Trustees of the Gentillon 2000 Family Trust as of 2003 (see also 5.2.1).

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently a mix of vacant and industrial use.

- The Motte Parcel is current a vacant land that is comprised of a rectangular-shaped parcel of vacant land covered with grass and dried weeds surrounded by chain-link fencing. The property does not appear to have been graded. No structures or other improvements are present with the exception of an asphalt vehicle entry pad along Antelope Road and a historical irrigation standpipe constructed of concrete located along the east side of the property. According to the EMWD, this standpipe is a private abandoned 14-inch irrigation line used to control irrigation water associated with historical farming operations.
- The Courtney Parcel is currently vacant land covered with grass and dried weeds surrounded by chain-link fencing topped with barbed wire. The surface of the subject property is also covered with pea gravel in many areas placed during prior use as a heavy equipment storage lot. In addition, a plastic pipe was observed on the north side of the property protruding approximately three feet from the ground that appeared to be a water or sewer marker; however, its use was not confirmed. This feature did not appear to be a well. The property does not appear to have been graded. No structures or other improvements are present with the exception of an asphalt vehicle entry pad along Antelope Road.
- The Smith Parcels are comprised of three contiguous parcels of land that are currently occupied by Sahara Scaffold Inc., as a storage yard for scaffolding materials including vehicle maintenance. The property is covered with gravel with the western parcel primarily vacant (APN 331-150-040) and the scaffolding yard present on the two eastern parcels (APN 331-150-039 and 331-150-045). The subject property is surrounded by chain-link fencing, and site access for the onsite business is from Antelope Road at this time. Site developments include three or four concrete pads covered with open-sided metal awning structures, several temporary power poles, an inground electrical line and/or historical irrigation feature on the west side of the property, and a pad-mounted electrical meter and switch gear box on the east side of the property. A long earthen berm is located along the length of the north property line where a surface drainage channel (dry) is present that flows to the west. No sewer system is reported at the subject property; however, the property has a water spigot located in the maintenance area where vehicle spray down was observed. Vehicle maintenance is conducted on the south side of APN 331-150-045. No CUPA regulatory agency files were identified for the property address.
- The Kavianna Parcel is currently vacant land covered with gravel, dried grass and weeds and a few trees surrounded by chain-link fencing. Dawson Road is an unpaved thoroughfare. No structures are present, and no infrastructure within the property was reported with the exception of a power pole with light fixture at the entrance off Dawson Road. A sign is present on the power pole that reads Kiewit 26245 Dawson Road. The subject property is not identified on the regulatory databases searched, and no County regulatory files were identified for the property address.
- The Dutta Parcel is currently vacant land covered with gravel, dried grass and weeds, and a tree and surrounded by chain-link fencing. Dawson Road is an unpaved thoroughfare. No structures are present, and no infrastructure within the subject property was reported. Items identified at

the property included two small gravel piles, two concrete road barriers and a metal plow part. The subject property is not identified on the regulatory databases searched.

- The Gentillon Parcel is currently vacant land covered with gravel, dried grass and weeds, and a tree and surrounded by chain-link fencing. Dawson Road is an unpaved thoroughfare, and no structures are present, although an electric box and water spigot are present that, according to the property owner, are associated with their adjacent property. A large pile of rock/rubble mixed with soil is present toward the north central portion of the property, and small piles of discarded building materials (roofing tiles, rocks, two tires, and wood planks) are present at the southeast corner of the property. According to the property owner, the source of the rubble and debris is from a removal at a jobsite.

The subject property is zoned Menifee North Specific Plan by the City of Menifee.

The subject property was identified in the regulatory database report, as further discussed in Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a historically agricultural area of Riverside County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties

North: Several residential and commercial storage lots fronting Ethanac Road ranging between 27765 and 27995 Ethanac Road

South: A recreational vehicle (RV) storage lot (RV Storage of Murrieta Valley) at 26311 Antelope Road, A residence and storage lot to the south at 26400 Dawson Road (also owned by Gentillon family)

East: Antelope Road followed by Holliday Trucking Ready Mix Concrete inactive facility (26100 Antelope Road) and Inland Empire Energy Center LLC (26226 Antelope Road)

West: Dawson Road followed by a large tract of vacant land (historically agricultural)

The adjacent property to the east (Inland Empire Energy Center) is identified as a chemical storage facility, aboveground petroleum storage tank site, hazardous waste generator, air emissions, and accidental release site in the regulatory database report of Section 4.2.

The adjacent Sahara Scaffold storage yard is identified as a RCRA (Resource Conservation and Recovery Act) Non-Generator of hazardous waste in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Romoland, California* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 1,440 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is relatively flat with a slope toward the west-southwest. The subject property is depicted as vacant land with periodic agricultural uses on the topographic maps reviewed dating back to 1901.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater flow in the vicinity of the subject property is inferred to be toward the west-southwest. No natural bodies of water are located within one mile of the subject property. The nearest surface water in the vicinity of the subject property is a man-made lake known as Heritage Lake located approximately two miles southeast of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, drinking water is supplied to the subject property and vicinity by the EMWD that uses several sources of water including surface water from the Colorado River and the State Water Project (SWP), as well as local groundwater. During the site visit, Partner did not find evidence of public drinking water wells at the subject property or on adjacent properties. In addition, no irrigation wells or private drinking water wells were observed at the subject property or adjacent properties. Therefore, it does not appear that groundwater beneath the subject property is drawn as a municipal drinking water source.

According to information obtained from the EMWD for two nearby wells, the depth to groundwater in the vicinity of the subject property is inferred to be approximately 71 to 96 feet bgs, and groundwater flow is inferred to be toward the west-southwest following surface topography.

2.4.3 Geology/Soils

The subject property is located in the Perris Plain in the central portion of the Perris Block of the Peninsular Range Province of southern California. The Perris Plain is a major topographic feature in the area. The surrounding regional geology includes the Peninsular Ranges (Santa Rosa and San Jacinto Mountains) to the east and southeast, the Transverse Ranges (San Gabriel and San Bernardino Mountains) to the north and northeast and the Los Angeles Basin and Santa Ana Mountains to the west and southwest. Locally, the subject property is underlain by Quaternary age alluvium and fluvial deposits.

Partner reviewed a Geotechnical/Geological Engineering Study prepared by EnGen Corporation for a property located approximately 350 feet south (APN 331-150-037) dated June 27, 2007. According to the findings, alluvium was encountered underneath shallow undocumented fill materials, which extended to the total depth explored of 51.5 feet bgs. The alluvium was observed to be primarily comprised of sandy silt, clayey silt, silty clay, silty sands, clayey sand or clean sands. The alluvium exhibited conditions that were medium dense to very dense, or soft to hard and moist to wet in place. Groundwater was not encountered in borings.

Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Exeter sandy loam, 2 to 8 percent slopes, eroded (EnC2); Exeter very fine sandy loam, 0 to 5 percent slopes (EwB); Madera fine sandy loam, 2 to 5 percent slopes, eroded (MaB2); Monserate sandy loam, 0 to 5 percent slopes (MmB); Monserate sandy loam, shallow, 5 to 15 percent slopes, eroded (MnD2); and Ramona sandy loam, 2 to 5 percent slopes, eroded (RaB2). The landform for the on-site soils is described as alluvial fans and terraces with the parent materials described as alluvium derived from granite for each soil type.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency (FEMA). According to Community Panel Number 06065C2060H dated August 18, 2014, the subject property is mapped primarily as Zone X with an overlay indicating 0.2 percent annual chance flood hazard, areas of one percent annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. A smaller area of the subject property toward the southeastern portion of the property is mapped in Zone X, an area of minimal flood hazard.

A copy of the reviewed flood map is not included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1901	Topographic Maps	Undeveloped/Native Land or Agricultural
1938-1997	Aerial Photographs	Agricultural
2000-2009	Aerial Photographs, Previous Reports, Building Records	Commercial/Industrial Heavy Equipment Storage Lot
2010-Present	Aerial Photographs, Previous Reports, Building Records	Mostly vacant land with a portion used as a commercial industrial storage yard

According to available historical sources, the subject property was formerly agricultural land dating back to circa 1938 to 2000 and may date back to the mid-1800s based on Menifee history; the Smith parcels were used as a contractor's equipment storage yard from circa 2000 to the present with initial storage uses on the south parcel (APN 331-150-045), and by 2006 all three parcels were used for storage (equipment, vehicles, storage containers, trailers, and other items). The Motte parcel was used for planter soil sales and distribution from 2002 through 2007; the Courtney parcel was used as a heavy equipment storage lot in connection with the Smith parcel to the north from 2000 through 2009; the Kavianna and Dutta parcels were used as a contractor storage yard from 2000 through 2014; Business names identified at the subject property included Kiewit-Granite Joint Venture (2000), Ladd Associates, Inc. (2002-2007), Kiewit Pacific (2005), Kiewit Infrastructure West Company (2008-2013), Foxfire Constructors Inc. (2009-2014), American Contracting Inc. (2010), Southern California Edison Material Yard (2011 at north side parcel(s)), LH Woods & Sons (2014), and Sahara Scaffold Inc (2017 to present). The Gentillon parcel was used by Swanillon, Inc., dba The Land Stewards, as a contractors storage and fabrication yard with mobile home from circa 2006 to 2012; and was vacant land from 2016 to the present.

No significant environmental concerns were identified in association with the current or former use of the subject property.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Risk Information Services (ERIS) on February 10, 2021. The following was observed on the subject property and adjacent properties during the aerial photograph review:

Date: 1938	***Scale: 1"=500'***
Subject Property:	The property is active cultivated land with crops visible in rows. No structures are present.
North:	The property is active cultivated land with crops visible in rows stretching north to Ethanac Road. A residence is present to the northeast across Antelope Road. In 1949 an irrigation pond is visible to the northeast of the residence.

Date: 1938	***Scale: 1"=500'***
South:	The property is active cultivated land with crops visible in rows stretching to McLaughlin Road.
East:	Antelope Road is present as an unpaved access road. The property beyond is active cultivated land with crops visible in rows.
West:	Dawson Road is present as a narrow dirt access road beyond which is cultivated land with crops visible in rows.

Date: 1949	***Scale: 1"=500'***
Subject Property:	The property is active cultivated land with crops visible in rows. No structures are present.
North:	No significant changes are visible.
South:	No significant changes are visible.
East:	No significant changes are visible.
West:	Dawson Road is present as a narrow dirt access road beyond which is cultivated land with crops visible in rows.

Date: 1953	***Scale: 1"=500'***
Subject Property:	The property is active with parts of cultivated land with crops visible in rows and also agricultural land that may be fallow. No structures are present.
North:	The property is agricultural land that may be fallow. A residence is present to the northeast with the same irrigation pond visible further northeast.
South:	The property is agricultural with plow lines visible.
East:	Antelope Road is present as an unpaved access road. The property beyond is agricultural land that may be fallow at this time.
West:	Dawson Road is present as a narrow dirt access road beyond which is cultivated land with crops visible in rows.

Date: 1961	***Scale: 1"=500'***
Subject Property:	The property is agricultural land that may be fallow. No structures are present.
North:	The property is agricultural land that may be fallow with a smooth surface and a narrow surface drainage channel along the subject property boundary line originating from the property to the northeast where an irrigation pond is visible.
South:	The property is agricultural land stretching to McLaughlin Road that may be fallow
East:	No significant changes are visible.
West:	Dawson Road is present as a narrow dirt access road beyond which is cultivated land with crops visible in rows.

Date: 1967	***Scale: 1"=500'***
Subject Property:	No significant changes are visible.
North:	The property appears to be agricultural land or fallow land with a few small structures present that appear to be a residence and rectangular-shaped storage structures. The same residence and few trees are present to the northeast.
South:	The property is agricultural land stretching to McLaughlin Road that may be fallow.
East:	No significant changes are visible.
West:	The property appears to be agricultural land or fallow land.

Date: 1978	***Scale: 1"=500'***
Subject Property:	The property is agricultural land that may be fallow. No structures are present.
North:	A narrow surface channel is present beyond which are several residences with large yard areas including storage buildings and exterior storage of unknown items fronting Ethanac Road. Trees are present to the northeast which may obscure a residence.
South:	The property appears to be agricultural land similar in appearance to the subject property.
East:	The property appears to be agricultural land with no structures present.
West:	The property appears to be agricultural land or fallow land.

Date: 1985	***Scale: 1"=500'***
Subject Property:	The property is agricultural land that may be fallow. No structures are present.
North:	Several residences with detached garages and/or storage buildings and exterior storage of materials are present fronting Ethanac Road. In 1996, the property to the northeast is vacant.
South:	A residence is present with detached garage along with vacant land, and in 1989 additional small structures are present south of the residence.
East:	The property appears to be fallow agricultural land.
West:	The property appears to be agricultural land or fallow land.

Date: 1989	***Scale: 1"=500'***
Subject Property:	The property is agricultural land that may be fallow. No structures are present.
North:	No significant changes are visible.
South:	No significant changes are visible.
East:	No significant changes are visible.
West:	No significant changes are visible.

Date: 1996-1997	***Scale: 1"=500'***
Subject Property:	The property is agricultural land that may be fallow. No structures are present.
North:	No significant changes are visible.
South:	No significant changes are visible.
East:	No significant changes are visible.
West:	No significant changes are visible.

Date: 2002	***Scale: 1"=500'***
Subject Property:	The Motte Parcel on the subject property is occupied by a reported planter soil sales and distribution services business. The ground appears wet on the western half and south sides of the property with several soil stockpiles visible. Various equipment and vehicles are present at the northeast corner of the property that may be associated with the heavy equipment storage yard to the north. The Smith Parcels on the subject property is occupied by a contractor's storage yard with various vehicles, equipment and materials stored. The Kavianna Parcel is partially covered with gravel and used as a contractor's storage yard with various equipment and storage containers present. The Dutta Parcel is covered with gravel and used as a contractor's storage yard with various equipment and storage containers present. The Gentillon Parcel is depicted as vacant land with a smooth even surface. No structures or uses are depicted.
North:	No significant changes are visible.
South:	A residence and several small structures are present along with exterior storage of unknown items.
East:	Antelope Road is present as an unpaved road. The property beyond appears to be fallow agricultural land.
West:	Agricultural land or fallow land is present across Dawson Road.

Date: 2006	***Scale: 1"=500'***
Subject Property:	The Motte Parcel on the subject property continues to be occupied by a reported planter soil sales and distribution services business with several soil stockpiles visible. Various equipment and vehicles are present, although no longer concentrated at the northeast corner of the property. The Courtney Parcel continues to be used as heavy equipment storage lot with several rows of equipment present across the property. Details cannot be determined as to the type of equipment or whether storage containers are present. No obvious areas of staining are visible, although vegetation is present in some areas. The Smith Parcels are all being used for equipment and materials storage. The Kavianna Parcel has no significant changes noted except for additional equipment and storage items present across the property. The Dutta Parcel is used as a contractor's storage yard with vehicles, equipment, and unknown materials present. The property appears to be covered with gravel. Details cannot be determined as to the exact type of materials stored at the property. The Gentillon Parcel is used as a contractor's storage yard with vehicles, equipment and other unknown materials present. The property appears to be covered with gravel. Details cannot be determined as to the exact type of materials stored at the property; however, lumber appears to be present at the northeast corner of the property.
North:	No significant changes noted. A vegetated drainage channel is present along the subject property line.
South:	Residence and storage yard are present.
East:	Antelope Road is present as an unpaved road. The property beyond is under construction for the existing Inland Empire Energy Center that reported opened in 2009.
West:	A fallow field across Dawson Road is present.

Date: 2009	***Scale: 1"=500'***
Subject Property:	The Motte Parcel is depicted as vacant land with no soil stockpiles, structures, equipment or apparent uses present. The Courtney Parcel is primarily vacant unpaved land with some heavy equipment parked along the north side of the property only. The northern Smith Parcels are vacant and covered with gravel with the lower Smith parcel continuing to be used as a contractor's storage yard with vehicles, equipment and materials present. The Kavianna Parcel has no significant change except for the addition of equipment and items. The Dutta Parcel has no significant change and continues to be a contractor's storage yard. The Gentillon Parcel has no significant change and continues to be a contractor's storage yard.
North:	No significant changes are visible.
South:	Residence and storage yard are present.
East:	Antelope Road is paved beyond which is the completed Inland Empire Energy Center facility.
West:	A fallow field across Dawson Road is present.

Date: 2012	***Scale: 1"=500'***
Subject Property:	The Motte Parcel is depicted as vacant land with no soil stockpiles, structures, equipment or apparent uses present. The Courtney Parcel is depicted as vacant land with the exception of two vehicles/equipment parked on the east side of the property along Antelope Road. The northern Smith Parcels appear to be occupied by Southern California Edison Material Yard who was identified in this location in 2011. The lower Smith Parcel continues to be used as a contractor's storage yard with various vehicles, equipment and materials present. The Kavianna Parcel has no significant changes. The Dutta Parcel has no significant change and continues to be a contractor's storage yard with multiple vehicles, equipment, and other unknown materials stored. The Gentillon Parcel has no significant change and continues to be a contractor's storage yard.
North:	No significant changes noted; the area continues to be developed with several residences, storage buildings and exterior materials storage.
South:	Residence and storage yard are present.
East:	No significant changes are visible.
West:	Fallow field across Dawson Road, which is depicted as a dirt road are present.

Date: 2016	***Scale: 1"=500'***
Subject Property:	The Motte Parcel is depicted as vacant land with no soil stockpiles, structures, equipment or apparent uses present. The Courtney Parcel is depicted as vacant land with vegetation present with no equipment or vehicles present. The northern Smith Parcels are vacant and covered with gravel. The lower Smith Parcel continues to be used as a contractor's storage yard with various vehicles, equipment and materials present. The Kavianna Parcel is depicted as vacant land covered with gravel. The Dutta Parcel is depicted as vacant land covered with gravel; the road barriers, gravel and plow piece are visible toward the east side of the property. The Gentillon Parcel is depicted as vacant land covered with gravel and a rubble pile present toward the north central portion of the property, which is still present at this time.
North:	No significant changes noted; the area continues to be developed with several residences, storage buildings and exterior materials storage.

South:	Residence and storage yard with vacant areas are present.
East:	No significant are changes visible.
West:	Fallow field across Dawson Road, which is depicted as a dirt road.

Copies of reviewed aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Sanborn map coverage was not available for the subject property.

A copy of the Sanborn "No Coverage" certification is included in Appendix B of this report.

3.3 City Directories

Partner reviewed historical city directories obtained from EDR on May 11, 2021 for past names and businesses that were listed for the subject property and adjacent properties. The subject property address is not listed in the city directory report. City directories were received for the years 1976 to 2017 for properties along Antelope Road and adjacent Dawson Road (1980 to 2017). No listings were identified for the subject property or adjacent properties with the exception of one adjacent listing in 2010 for Top Grade Construction at 26226 Antelope Road which pertains to the Inland Empire Energy Center facility. The listings along Antelope Road skip from addresses north of Ethanac Road to residential listings in the 27700-block of Antelope Road located over one mile south of the subject property with the exception of one listing in 2010 for the adjacent property at 26226 Antelope Road (construction company listed in connection with Inland Empire Energy development, see Table below).

City Directory Search for Adjacent Properties

Year(s)	Occupant Listed
1976	Henson Golf Cart Service (27765 Ethanac Rd); resident (27789 Ethanac Rd)
1980	Bob's Body Shop (27765 Ethanac Rd); residents (27789 and 27995 Ethanac Rd)
1985	Residents (27789 and 27995 Ethanac Rd)
1995	Resident (27765 Ethanac Rd)
2000	Turning Point Christian Center (27789 Ethanac Rd); residents (27789, 27793, 27861 and 27915 Ethanac Rd)
2005	Custom Storage Sheds, Kontract Interiors, and RC Custom Sheds (27789 Ethanac Rd); Travelers Rest Inc. (27861 Ethanac Rd); residents (27765, 27789, 27805 Ethanac Rd); Occupant Unknown (27793 and 27915 Ethanac Rd)
2010	Garges Towing (27789 Ethanac Rd); residents (27765, 27789, 27793, 27805, 27861 Ethanac Rd); Occupant Unknown (27775 and 27915 Ethanac Rd); Top Grade Construction (26226 Antelope Rd)
2014	E&E Drywall (27861 Ethanac Rd); residents (27765, 27775, 27789, 27915 Ethanac Rd); Occupant Unknown (27793 and 27805 Ethanac Rd)
2017	E&E Drywall (27861 Ethanac Rd); residents (27765, 27775, 27789, 27805, 27861, 27915 Ethanac Rd)

The subject property address of 26330 Dawson Road is listed as *Occupant Unknown* for the years 2010 and 2014. Dawson Road addresses first appeared in 1980, which lists a residence only that appears to be located south of McLaughlin Road at a distance of over one-quarter to one-half mile south of the subject property at 27045 Dawson Road. A nearby residence to the southwest at 26375 Dawson Road is listed in 2000 to 2017 as a single resident, and San Diego Erosion Control is listed at 26333 Dawson Road for the

years 2014 and 2017. No other adjacent or nearby listings were identified. Based on the city directory review, no environmentally sensitive listings were identified for the adjacent property addresses.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from Environmental Data Resources (EDR) on May 5, 2021. The following was observed on the subject property and adjacent properties during the topographic map review:

Date: 1901	
Subject Property:	The property is depicted as undeveloped land. Agricultural uses are not depicted. No pits, depressions or bodies of water are depicted in the immediate area.
North:	Undeveloped land
South:	Undeveloped land and a road aligned northwest to southeast through the area
East:	Antelope Road is depicted beyond which is undeveloped land
West:	Undeveloped land

Date: 1942, 1943, 1947	
Subject Property:	The property is depicted as undeveloped land. Agricultural uses are not depicted. No pits, depressions or bodies of water are depicted in the immediate area.
North:	Undeveloped land along Ethanac Road with a residence to the northeast.
South:	Undeveloped land
East:	Antelope Road is depicted as an unimproved/unpaved road beyond which is undeveloped land
West:	Undeveloped land

Date: 1953, 1973	
Subject Property:	The area is shaded green indicating agricultural uses along the eastern side of the subject property. Majority of the property is still depicted as undeveloped.
North:	The area is shaded green indicating agricultural uses (vineyard) along Ethanac Road. In 1973, two houses are depicted in this area along with green shading. A residence and irrigation pond are depicted to the northeast.
South:	Undeveloped land
East:	Antelope Road is depicted as an unimproved/unpaved road beyond which is undeveloped land
West:	Undeveloped land

Date: 1979	
Subject Property:	The property is depicted as undeveloped land. Agricultural uses are not depicted.
North:	Several small structures are depicted fronting Ethanac Road. A residence and irrigation pond are depicted to the northeast.
South:	Undeveloped land
East:	Antelope Road is depicted as an unimproved/unpaved road beyond which is undeveloped land
West:	Dawson Road is depicted as an unpaved road beyond which is vacant land

Date: 2012	
Subject Property:	The property is depicted as undeveloped land. Agricultural uses are not depicted.
North:	Vacant land along Ethanac Road.
South:	Undeveloped land
East:	Antelope Road is depicted as a paved/improved road beyond which is vacant land
West:	Dawson Road is depicted as an improved road; however, Dawson Road is a dirt road at this time

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 State Department

Regulatory Agency Data	
Name of Agency:	California Environmental Protection Agency (Cal EPA) California Department of Toxic Substances Control (DTSC)
Point of Contact:	http://www.envirostor.dtsc.ca.gov/public/ http://hwts.dtsc.ca.gov/report_search.cfm?id=5 https://siteportal.calepa.ca.gov
Agency Phone Number:	(800) 728-6942
Date of Contact:	May 2021
Method of Communication:	Online
Summary of Communication:	The EnviroStor database is the DTSC's data management system for tracking cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known contamination or sites where there may be reasons to investigate further. No records were identified for the subject property or adjacent properties. The DTSC Hazardous Waste Tracking System (HWTS) was researched for hazardous waste manifest data submitted to the California DTSC. According to a search, the subject property was identified under the names of Sahara Scaffold Inc. dated 2017 with no waste codes reported and American Contracting Inc., dated 2010 with no waste codes reported. Each of these businesses were issued an EPA ID Number for on-site activities. No additional significant information was reported on the HWTS database. The CalEPA Regulated Site Portal and the California Environmental Reporting System (CERS) databases were searched for chemical reporting information, compliance and other regulatory information for the subject property. The CERS includes required Unified Program information among businesses, local governments and the U.S. EPA. All Unified Program regulated businesses and local regulating Unified Program Agencies (UPAs) are required to report and submit mandatory Unified Program information electronically, through CERS or a local UPA portal. Unified Program information required to be submitted and reported electronically to CERS includes, but is not limited to facility data regarding hazardous material regulatory activities (such as, hazardous materials business plans, site maps, and chemical inventories), underground and aboveground storage tanks, hazardous waste generation, and inspection, compliance and enforcement actions. No records were identified for the subject property through the CalEPA Regulated Site Portal or CERS system indicating the subject property is not an identified CUPA regulated site at this time.

Copies of pertinent documents are included in Appendix B of this report.

4.1.2 Health Department

Regulatory Agency Data	
Name of Agency:	Riverside County Department of Environmental Health (DEH), Hazardous Materials Management Division – CUPA
Point of Contact:	DEHRecordsMgmt@rivco.org
Agency Phone Number:	(951) 358-5055
Date of Contact:	May 2021
Method of Communication:	Email Public Records Request
Summary of Communication:	According to a search, no records were identified for the subject property address pertaining to hazardous substances, USTs, etc.

Copies of pertinent documents are included in Appendix B of this report.

4.1.3 Fire Department

Regulatory Agency Data	
Name of Agency:	City of Menifee Fire Department (MFD) / Riverside County Fire Department (RCFD)
Point of Contact:	https://cityofmenifeeca.nextrequest.com/requests/21-62 www.rvcfire.org/incidentinformation/ Ms. Jennifer Quinones
Agency Phone Number:	(951) 246-6215 (City); (951) 943-4970 (County)
Date of Contact:	May 2021
Method of Communication:	Email and Online
Summary of Communication:	Partner submitted a public records request to the MFD, in which a Code Enforcement Case was received pertaining to a Planning Department conditions of approval use dated 2012 to 2014, which did not appear to be associated with Fire Department records (see Section 4.1.6 below for discussion). Partner resubmitted a request to the MFD using the identified street address of 26330 Dawson Road, which did not identify responsive records. According to Partner's experience with the RCFD, this agency maintains emergency response records and code violation information for buildings only and does not typically maintain records/files regarding hazardous materials inventory or other environmentally related information. This agency requires a specific date or street address to conduct a search. In addition, this agency has previously referred Partner to the County CUPA agency (described in Section 4.1.3 above) for pertinent environmental records.

Copies of pertinent documents are included in Appendix B of this report.

4.1.4 Air Pollution Control Agency

Regulatory Agency Data	
Name of Agency:	South Coast Air Quality Management District (AQMD)
Point of Contact:	http://www3.aqmd.gov/webappl/fim/prog/search.aspx
Agency Phone Number:	(909) 396-2000
Date of Contact:	May 2021
Method of Communication:	Online Facility Information Detail (FINDS) database
Summary of Communication:	No active or inactive permits were identified for the subject property.

Copies of pertinent documents are included in Appendix B of this report.

4.1.5 Regional Water Quality Agency

Regulatory Agency Data	
Name of Agency:	Regional Water Quality Control Board (RWQCB) via GeoTracker
Point of Contact:	http://geotracker.waterboards.ca.gov/default.asp
Agency Phone Number:	(916) 341-5791
Date of Contact:	May 2021
Method of Communication:	Online
Summary of Communication:	GeoTracker is the State Water Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. GeoTracker contains records for sites that require cleanup, such as Leaking Underground Storage Tank (LUST) Sites, Department of Defense Sites, and Cleanup Program Sites. GeoTracker also contains records for various unregulated projects as well as permitted facilities including: Irrigated Lands, Oil and Gas production, operating Permitted USTs, and Land Disposal Sites. GeoTracker portals retrieve records and view integrated data sets from multiple State Water Board programs and other agencies. No information was identified for the subject property or adjacent properties on the GeoTracker database.

Copies of pertinent documents are included in Appendix B of this report.

4.1.6 Building Department

Regulatory Agency Data	
Name of Agency:	City of Menifee Building Department (MBD) and Riverside County Building Department (RCBD)
Point of Contact:	https://cityofmenifeeca.nextrequest.com/ Records and Information Management / records@rivco.org https://rivcoplus.org/EnerGov_Prod/SelfService#/search
Agency Phone Number:	(951) 672-6777 (City); (951) 955-2017 (County)
Date of Contact:	May 2021
Method of Communication:	Email Public Records Request, Online
Summary of Communication:	Partner contacted the MBD for building permit records issued to the subject property. Records received included a Code Enforcement Case CE-12-1111 for the subject property that involved the City Planning Department and *conditions of approval* uses and road improvements dating between 2012 and 2014. The subject property

Regulatory Agency Data	
	was used as a contractors' storage yard at that time where equipment was stored. The property was reportedly vacated by March 20, 2014. No information was identified on the Code Enforcement Case indicating the presence of hazardous materials, spills or other significant concerns. An additional Public Records Request was submitted for the identified subject property address of 26330 Dawson Road. According to a search, no records were identified. Based on the incorporation date of the City of Menifee (2008), Partner contacted the RCBD for additional building permit information. According to an online search through the *Plus Online* portal, several documents are reported in connection with the subject property's APN including the following: 1) A Plot Plan Transmitted for contractor's storage yard dated June 12, 2007, which included a CEQA Analysis, which may have been withdrawn. The owner is listed as Ladd Associates Inc. at that time; 2) Geologic Report Review dated 2010, which is reported to be with the City of Menifee. The owner was listed as Ladd Associates Inc. at that time; 3) Request for Map Number dated June 2011 with the owner listed as Ladd Associates Inc. No issued building permits for development activity were identified by the RCBD.

Copies of pertinent documents are included in Appendix B of this report.

4.1.7 Planning Department

Regulatory Agency Data	
Name of Agency:	City of Menifee Planning Department (MPD)
Point of Contact:	https://www.cityofmenifee.us/147/City-Maps
Agency Phone Number:	(951) 672-6777
Date of Contact:	February 2021
Method of Communication:	Online
Summary of Communication:	According to records reviewed, the subject property is zoned Menifee North Specific Plan by the City of Menifee. Partner did not receive additional planning documents from the MPD as of the date of this report.

Copies of pertinent documents are included in Appendix B of this report.

4.1.8 Oil & Gas Exploration

Regulatory Agency Data	
Name of Agency:	California Department of Conservation (DOC), Geologic Energy Management Division (CalGEM)
Point of Contact:	https://maps.conservation.ca.gov/doggr/wellfinder/#openModal/-118.94276/37.12009/6
Agency Phone Number:	(916) 322-1080
Date of Contact:	February 2021
Method of Communication:	Online Well Finder
Summary of Communication:	According to CalGEM, no oil or gas wells are located on or adjacent to the subject property. Also, the subject property is not located within a designated oil field.

Copies of pertinent documents are included in Appendix B of this report.

4.1.9 Assessor's Office

Regulatory Agency Data	
Name of Agency:	Riverside County Assessor
Point of Contact:	https://www.asrclkrec.com/public-access-services
Agency Phone Number:	(951) 955-6200
Date of Contact:	February 2021
Method of Communication:	Online
Summary of Communication:	According to records reviewed, the subject property is divided into 8 parcels and was identified by Assessor Parcel Numbers (APN). • The Motte Parcel is associated by APN 331-150-037 and is legally described as 6.71 Acres M/L in Por Lot 123 And Lot 124 MB 011/038 Trumble Farms. According to reviewed information, the current owner is reported as Motte Towne Center, LLC as of 2005. • The Courtney Parcel is associated by APN 331-150-044 and legally described as 4.84 Acres M/L in Lot 125 MB 011/038 Trumble Farms. According to reviewed information, the current owner is reported as George G. Courtney III and Marie E. Courtney, Co-Trustees of the Courtney Family Trust & Robert Kushner and Lisa Kushner as of 2018. The prior owner is reported as Trumble Properties LLC. • The Smith Parcels are associated with APNs 331-150-039, 331-150-040 and 331-150-045 and legally described as 4.79 Acres M/L in Lot 127 MB 011/038 Trumble Farms; 4.86 Acres M/L in Lot 98 MB 011/038 Trumble Farms; and 4.84 Acres M/L in Lot 126 MB 011/038 Trumble Farms, respectively. According to reviewed information, the current owner is reported as Jack Jeffrey Smith and Dianne Marie Smith, Trustees as of 2017 (see also 5.2.1). • The Kavianna Parcel is associated with APN 331-150-036 and is legally described as 9.70 Acres in Lots 99 and 100 MB 011/038 Trumble Farms. According to reviewed information,

Regulatory Agency Data	

the current owner is reported as Kavianna Inc., a California Corporation as of February 2020 (see also 5.2.1).

- The Dutta Parcel is associated with APN 331-150-041 and is legally described as 4.86 acres M/L in Lot 101 MB 011/038 Trumble Farms. According to reviewed information, the current owner is reported as Malvinder Singh Dutta, as a Married Man and Tajinder Singh Dutta, a Married Man, each as to an undivided 50% interest as T/C as of October 2020 (see also 5.2.1).
- The Gentillon Parcel is associated with APN 331-150-042 and is legally described as 4.86 acres M/L in Lot 102 MB 011/038 Trumble Farms. According to reviewed information, the current owner is reported as John Val Gentillon and Leysa Swanson Gentillon, Co-Trustees of the Gentillon 2000 Family Trust as of 2003.

Copies of pertinent documents are included in Appendix B of this report.

4.1.10 Other Agency

Regulatory Agency Data	
Name of Agency:	State Solid Waste Information System (SWIS)
Point of Contact:	https://www2.calrecycle.ca.gov/SolidWaste/Site/Search
Agency Phone Number:	(916) 322-4027 (main)
Date of Contact:	May 2021
Method of Communication:	Online
Summary of Communication:	The Solid Waste Information System (SWIS) database contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of solid waste activities found in this database include landfills, transfer stations, composting sites, in-vessel digestion sites, engineered municipal solid waste conversion facilities, transformation facilities, and closed disposal sites. According to a search, the subject property is not identified as a past or present solid waste facility, landfill or other waste uses as described above nor are adjacent properties.

Copies of pertinent documents are included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by Environmental Data Resources, Inc. (EDR) and Environmental Risk Information Services (ERIS). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	**Y**	**Y**	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	**Y**	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.125	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
State CERS Regulated Site	Varies	N	**Y**	N
Air Emissions	Varies	N	**Y**	N
Industrial Storm Water Regulated Site	Varies	N	**Y**	N

4.2.2 Subject Property Listings

The subject property is identified in the regulatory database report.

- The subject property identified as American Contracting Inc., at 26245 Antelope Road (listed in Sun City) is a former tenant at this location. This prior business is identified as a RCRA Non-Generator of hazardous waste dated 2010 and is classified as an excavation contractor. No RCRA violations or evaluations are reported. This business is identified on the State HWTS as having been issued an EPA ID Number; however, no waste codes for specific hazardous waste are reported. No additional information is reported in the regulatory database report for this business. Based on the nature of the listing and lack of reported information indicating a release occurred or that an environmental condition exists in connection with this prior tenant, this listing is not expected to represent a significant environmental concern.
- The subject property identified as Sahara Scaffold Inc. at 26245 Antelope Road (listed in Romoland) is the current tenant at this location. This business is identified as a RCRA Non-

Generator of hazardous waste dated 2017. No RCRA violations or evaluations are reported. No additional information is reported in the EDR regulatory database report for this business. This business is also identified on the State HWTS dated 2017 as having been issued an EPA ID Number; however, no waste codes for specific hazardous waste are reported. During the site visit, vehicle maintenance activities were observed on the south side parcel on paved and unpaved surfaces that included the generation of hazardous waste identified as waste oil, waste coolant, used oil filters, and used batteries. Additional hazardous substances included containers of fresh motor oil, DEF (diesel exhaust fluid), fresh antifreeze, and other automotive fluids and cleaners including propane tanks to fuel several forklifts, paint and various vehicle parts and tires. Liquid hazardous waste drums are situated on a secondary containment basin within a metal storage container with two drums of used oil filters situated on the concrete slab without secondary containment. Fresh automotive fluids are stored primarily on shelves. No significant staining or leaks were observed around the hazardous waste containers. The maintenance awning and slab appear to be newer features at the subject property installed after 2016 most likely in connection with the current tenant's operations. Based on the short duration of time the property appears to have conducted vehicle maintenance activities with no signs of significant staining noted or reported including a lack of regulatory records or violations, vehicle maintenance activities do not appear to represent a significant environmental concern at this time.

4.2.3 Adjacent Property Listings

The adjacent properties are identified in the regulatory database report.

- The property, identified as Inland Empire Energy Center LLC (IEEC) at 26226 Antelope Road, is located adjacent to the east of the subject property, which comprises 46 acres of land developed with a natural gas-fired power plant opened in 2009. The power is generated from combined-cycle turbines, two Toshiba steam turbines, generators, controllers, switchgear, heat exchangers, chiller systems, transformers, and bridge cranes. IEEC is identified on the CERS database as an aboveground petroleum storage tank site, chemical storage facility, hazardous waste generator, air emissions, and accidental release site. According the CERS database, chemicals stored at this facility include, but may not be limited to, waste fluorescent lamps, waste lead acid batteries, waste oil, used oil filters and absorbent, sulfur hexafluoride, compressed gases (oxygen, argon, acetylene), odorized commercial liquid propane, Hytrans 61, and diesel fuel. No outstanding violations are reported for this facility by the CUPA agency (Riverside County DEH). The property is listed as a RCRA (Resource Conservation and Recovery Act) Small and Large Quantity Generator of hazardous waste with several RCRA waste codes listed including ignitable waste, corrosive waste, arsenic, metals including arsenic and mercury, benzene, methyl ethyl ketone (MEK), tetrachloroethylene, and other solvents. No RCRA violations are reported.

  The IEEC has reported two minor accidental release incidents reported through the State CHMIRS (California Hazardous Materials Incident Reporting System) database. The first incident occurred in 2010 that involved a release of 100 gallons of citric acid resulting from an open valve during steam cleaning of pipes. The release was reportedly contained, and no waterways were affected. A second release incident occurred in 2011 that involved a release of 340 gallons of aqueous

ammonia resulting from a ruptured hose during offloading of product from tanker truck to on-site AST. The release was reportedly contained, and no waterways were affected.

Based on the status of this facility, reported containment of accidental release incidents as reported through the CHMIRS database, and lack of reported information indicating a release occurred that impacted soil or groundwater, the IEEC facility is not expected to represent a significant environmental concern at this time, and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

- The property, identified as New Era Metals Inc. at 27915 Ethanac Road, is located adjacent north of the subject property. The property is listed as both a Facility Registry Service and a HAZNET. The FRS in short, is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or environmental interest. The property is associated with a CALEPA ID: CAL000372910 and is described as an inactive permanent state generator that was issued in 03/21/2012 and last active 01/27/2016. Based on the status and lack of further documentation, this listing is not expected to represent a significant environmental concern, and is unlikely a regulatory file review for this site would alter the findings of this assessment.
- The property identified as Holliday Trucking and Holliday Rock Company Inc., Romoland at 26100 Antelope Road is located adjacent to the east of the subject property, which is a non-operational (inactive) ready-mix concrete facility in this location. All production activities including some equipment were moved to their Perris location. The facility is identified as a chemical storage facility, aboveground petroleum storage tank site, and industrial storm water regulated site on the CERS database under the regulatory oversight of the Riverside County DEH, which appears to be inactive. Compliance notes on the CERS database indicate that an onsite diesel tank is empty, locked and labeled as closed. Chemical substances stored at this location were reported as WRDA 64, MasterSet Delvo admixture, MasterSet AC 534 admixture, MasterPozzolith 700 admixture, MasterGlenium 3030 admixture, Fly Ash, Cement, and Calcium Chloride. No information is reported in the EDR regulatory database indicating a release occurred at this property or that an environmental condition exists at this location; therefore, this inactive facility is not expected to represent a significant environmental concern at this time, and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.
- The property identified as San Diego Erosion Control is located adjacent to the west of the subject property, which is a permanent state generator that was issued on 03/29/2006 and last active in 11/22/2010. The property is listed as a HAZNET (CALEPA ID:CAL000304921) listing under EPA's Hazardous Waste Manifest Data which is a list of hazardous waste manifests received each year by the Department of Toxic Substances Control. Lack of further documentation and time passed since activity, the site is not expected to represent a significant environmental concern at this time, and it is unlikely that a regulatory review for this site would alter the findings of this assessment.
- The property identified as Foxfire Constructions at 26330 Dawson Road is located adjacent to the west of the subject property, which is a temporary state generator that was issued on 10/08/2009 and last active in 4/12/2010. The property is listed as a HAZNET (CALEPA ID:CAC002647203)

listing under EPA's Hazardous Waste Manifest Data which is a list of hazardous waste manifests received each year by the Department of Toxic Substances Control. Lack of further documentation and time passed since activity, the site is not expected to represent a significant environmental concern at this time, and it is unlikely that a regulatory review for this site would alter the findings of this assessment.

- The property identified as LADD & Associates at 26330 Dawson Road is located adjacent to the west of the subject property, which is a permanent state generator that was issued on 06/18/2002 and last active on 04/07/2004/. The property is listed as a HAZNET (CALEPA ID: CAL000254040) listing under EPA's Hazardous Waste Manifest Data which is a list of hazardous waste manifests received each year the by the Department of Toxic Substances Control. Lack of further documentation and time passed since activity, the site is not expected to represent a significant environmental concern at this time, and it is unlikely that a regulatory review for this site would alter the findings of this assessment.
- The property identified as Mine Development & Engineering Corp is located adjacent to the west of the subject property, which is a permanent state generator that was issued on 09/05/2008 and last active on 03/12/2009/. The property is listed as a HAZNET (CALEPA ID: CAC002634420) listing under EPA's Hazardous Waste Manifest Data which is a list of hazardous waste manifests received each year the by the Department of Toxic Substances Control. Lack of further documentation and time passed since activity, the site is not expected to represent a significant environmental concern at this time, and it is unlikely that a regulatory review for this site would alter the findings of this assessment.

4.2.4 Sites of Concern Listings

No sites of concern are identified in the regulatory database report.

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.5 Orphan Listings

One orphan listing is identified in the regulatory database report as a CDL (clandestine drug laboratory), which is a location where an illegal drug laboratory was operated or drug lab equipment and/or materials were stored or dumped. The CDL is reported as a residence at 25711 Dawson Road and has a date of 2000 (21 years ago). The substance is listed as miscellaneous drug waste. According to the address, the CDL does not appear to be located on or adjacent to the subject property. Therefore, this listing is not considered a significant environmental concern.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Core5 Industrial Partners (User of this report).

User Responsibilities				
Item	**Provided By User**	**Not Provided By User**	**Discussed Below**	**Does Not Apply**
AAI User Questionnaire		**X**	**X**	
Title Records, Environmental Liens, and AULs	**X**		**X**	
Specialized Knowledge	**X**		**X**	
Actual Knowledge	**X**		**X**	
Valuation Reduction for Environmental Issues	**X**		**X**	
Identification of Key Site Manager	**Section 5.1.3**		**X**	
Reason for Performing Phase I ESA	**Section 1.1**		**X**	
Prior Environmental Reports	**X**		**X**	
Other				**X**

5.1 Interviews

5.1.1 Interview with Owner

- Mr. Jim Lytle, subject property owner representative with Rancon Group for the Motte Parcel, is not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past

administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. According to Mr. Lytle, the subject property was previously agricultural land dating back many years.

- The owner of the Courtney Parcel, identified as George G. Courtney III and Marie E. Courtney, Co-Trustees of the Courtney Family Trust & Robert Kushner and Lisa Kushner as of 2018, were not available to be interviewed at the time of the assessment. Information regarding the potential for contamination at the subject property was obtained from other historical and regulatory sources.
- Mr. Jeff Smith, subject property owner of the Smith Parcels was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. Mr. Smith is not aware of environmental concerns associated with the subject property at this time. Mr. Smith mentioned that a prior environmental site assessment was conducted at the time he purchased the subject property in circa 2017, which did not reveal environmental concerns at that time. Partner did not receive a copy of the prior environmental report for review during the course of this assessment. Mr. Smith indicated that the property has no sewer connection or known septic tanks, groundwater wells, or other subsurface features.
- Partner did not interview the current site owner of the Kavianna Parcel, identified as Kavianna Inc. However, Partner interviewed Mr. Tim Clepper with San Diego Commercial, a person familiar with the subject property and surrounding parcels, who was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. According to Mr. Clepper, the subject property has been vacant land for several years with no known infrastructure. Mr. Clepper is not aware of environmental concerns associated with the subject property at this time. Mr. Clepper mentioned the prior subject property owner representative was Mr. Mario Calvillo with Lee & Associates (see Section 5.2.6 for prior interview information with Mr. Calvillo).
- Partner did not interview the current site owner of the Dutta Parcel identified as Malvinder Singh Dutta, as a Married Man and Tajinder Singh Dutta, a Married Man, each as to an undivided 50% interest as T/C as of October 2020. However, Partner interviewed Mr. Tim Clepper, a prior subject property owner representative with San Diego Commercial, who was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any

notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. According to Mr. Clepper, the subject property has been vacant land for several years with no known infrastructure. Mr. Clepper was not aware of any prior environmental site assessment reports for the subject property and is not aware of environmental concerns associated with the subject property at this time.

- Mr. Tim Clepper, subject property owner representative with San Diego Commercial of the Gentillon Parcel, was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. According to Mr. Clepper, the subject property has been vacant land for several years with no known infrastructure. Mr. Clepper was not aware of any environmental concerns associated with the subject property at this time.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report. Because the Report User (Client) is a lender, it is understood that the Report User would not have knowledge of the property that would significantly impact our ability to satisfy the objectives of this assessment. The lack of this information is not considered to represent a significant data gap.

5.1.3 Interview with Key Site Manager

- For the Motte, Courtney, Kavianna, Dutta and Gentillon Parcels, a key site manager was not available to be interviewed at the time of this assessment.
- For the Smith Parcels, Mr. Jeff Smith acted as key site manager (see Section 5.1.1 above).

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not conducted since information regarding the potential for contamination at the subject property was obtained from other sources.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

At the request of the User, Partner contracted AF Research LLC (AFX) to perform a limited chain of title and/or environmental lien search for the subject property. No environmental liens or AULs were identified for the subject property.

For Motte Parcel, according to the AFX report, the current owner is reported as Motte Towne Center, LLC as of 2005.

For Courtney Parcel, according to the AFX report, the current owner is reported as George G. Courtney III and Marie E. Courtney, Co-Trustees of the Courtney Family Trust & Robert Kushner and Lisa Kushner as of 2018. The prior owner of the subject property is reported as Trumble Properties LLC.

For Smith Parcels, according to the AFX report, the current owner of the subject property parcels is reported as Jack Jeffrey Smith and Dianne Marie Smith, Trustees as of 2017. The prior owners are reported as Timothy L Anderson (APN 331-150-039) back to circa 2003; Michael J Grabowski and Anne M Grabowski (APN 331-150-040) back to circa 2002; and Hancock Properties LLC (APN 331-150-045) no ownership date identified for Hancock Properties.

For Kavianna Parcel, according to the AFX report, the current owner is reported as Kavianna Inc., a California Corporation as of February 2020. The prior owner is reported as Kiewit Infrastructure Company Formerly Known as Kiewit Construction Company, a Delaware Corporation dating back to circa 2002.

For Dutta Parcel, according to the AFX report, the current owner is reported as Malvinder Singh Dutta, as a Married Man and Tajinder Singh Dutta, a Married Man, each as to an undivided 50% interest as T/C as of October 2020. The prior owner is reported as Engineering Properties LLC dating back to 2009 with the prior owner before that listed as Ladd Associates Inc.

For Gentillon Parcel, the current owner is reported as John Val Gentillon and Leysa Swanson Gentillon, Co-Trustees of the Gentillon 2000 Family Trust as of 2003. The prior owner is listed as Ladd Associates Inc., a California Corporation.

Copies of pertinent pages are included in Appendix B of this report.

5.2.2 Specialized Knowledge

The User did not have specialized knowledge of environmental conditions associated with the subject property at the time of the assessment.

5.2.3 Actual Knowledge of the User

The User was not aware of environmental liens and/or AULs encumbering the subject property or in connection with the subject property at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

The User was not aware of any reductions in property value due to environmental issues.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

The following information was provided to Partner for review during the course of this assessment:

Phase I Environmental Site Assessment, prepared for Amandev, Inc., APN 331-150-036-6 Dawson Road, Menifee, California, prepared by DCI Environmental Services, dated January 24, 2020,

DCI Environmental Services (DCI) prepared this report on behalf of Harvest Commercial Capital LLC. The assessment was performed in accordance with ASTM Standard E1527-13. The assessment consisted of a site reconnaissance, interviews with knowledgeable personnel, review of historical information, and a review of federal, state and local regulatory databases. Pertinent information contained in this report is summarized below:

- At the time of the assessment, the subject property was reported as undeveloped land with no buildings or foundations identified, and the property was accessed via Dawson Road only. The parcel was covered with exposed soil, decomposed gravel, and native weed growth vegetation; no surface staining was reported. Some municipal services including water, telephone, and electric are available to the site. A contractor storage yard (Kiewit Pacific Company) previously occupied the subject property from 2000 to 2012.
- No information regarding environmental liens on the subject property was provided to DCI. A California Grant Deed filed in September 2002 indicates that the document transfer tax was computed on the full value of the interest in the property conveyed without any liens or encumbrances remaining at the time of transfer. Further, there are no known activity or use limitations in connection with the property.
- The contact person provided to DCI for interview purposes was Mr. Mario Calvillo with Lee & Associates, as owner representative. Mr. Calvillo stated that to the best of his knowledge, "the previous owner stored vehicles and equipment at the subject property. There has never been any USTs, clarifiers, or regulated hazardous materials at the site."
- No previous environmental reports were provided to DCI for review as part of their assessment.
- The assessment revealed no evidence of RECs, CRECs, or HRECs in connection with the subject property, and no further recommendations were presented.

Copies of pertinent pages reviewed are not included in Appendix B of this report.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessments Performed By:	Margaret Thomas
Site Assessments Conducted On:	February 11, 2021, May 12, 2021

Partner was unaccompanied during the field reconnaissance activities

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the Smith Parcels are disposed of in commercial dumpsters located on the subject property. An independent solid waste disposal contractor, Waste Management, removes solid waste from the subject property. According to visual observations, only approved waste is collected in the on-site solid waste dumpsters. No evidence of illegal dumping of solid waste was observed during Partner's site reconnaissance. No evidence of illegal dumping of solid waste was observed during Partner's site reconnaissance. The property is secured by fencing to prevent unauthorized entry or dumping activity.

Solid waste is not generated at the other parcels at this time. No evidence of illegal dumping of solid waste was observed during Partner's site reconnaissance with the exception of minor windblown trash. In addition, one small soil pile was observed on the east side of the property that may be soil from the subject property or left-over stockpiled soil from prior business operations that did not appear to present a significant environmental concern (see photo log).

6.1.2 Sewage Discharge and Disposal

No sanitary sewer system or septic system was observed or reported at the subject property. The City of Menifee services the subject property vicinity. According to reviewed information, the EMWD has an existing 12-inch PVC water line and 8-inch sewer main line in Antelope Road.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action or through percolation.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Fish & Wildlife Service, National Wetlands Inventory database; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Heating and cooling systems are not present at the subject property.

The utility companies serving the subject property include Southern California Edison (SCE), Southern California Gas Company, and the EMWD.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater is not currently generated at the subject property; however, future structures will be connected to the municipal sanitary sewer system.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

An abandoned irrigation standpipe constructed of concrete located along the east side of the property was observed. According to the EMWD, this standpipe is a private abandoned 14-inch irrigation line used to control irrigation water associated with historical farming operations. No other additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Subject Property

The subject property is not reported by local regulatory agencies as a regulated site for the use, storage and management of hazardous substances at this time. However, small quantities of general automotive maintenance fluids, acrylic paint and other substances are present at the subject property on APN 331-150-045 only, which were found to be properly labeled and stored at the time of the assessment with no signs of significant leaks, stains, or spills (see also Section 6.2.3). Hazardous waste identified at the subject property included waste oil, waste coolant, used oil filters, and used batteries stored in 55-gallon drums with the exception of the batteries, which are stored on wood pallets. Additional hazardous substances included containers of fresh motor oil, DEF (diesel exhaust fluid), fresh antifreeze, other automotive fluids and cleaners including several propane tanks to fuel eight or more forklifts, 5-gallon buckets of paint, and various vehicle parts and tires. Liquid hazardous waste drums (four) are situated on a secondary containment basin within a metal storage container with two drums of used oil filters situated on the concrete slab without secondary containment. Fresh automotive fluids are stored primarily on shelves and within storage containers.

The maintenance awning and slab appear to be newer features at the subject property installed after 2016 most likely in connection with the current tenant's operations. Based on the short duration of time the property appears to have conducted vehicle maintenance activities with no signs of significant staining noted or reported including a lack of regulatory records or violations, vehicle maintenance activities do not appear to represent a significant environmental concern at this time.

No hazardous substances or petroleum products were observed on the subject property during the site reconnaissance.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

- A small dark surface stain (10 SF or less in area) was observed on the north side of the Courtney Parcel that resulted from the wash out of a radiator or other equipment on the adjacent Sahara Scaffold property, which migrated onto the subject property. A maintenance area with work benches, storage containers and storage shelves is present under an awning on the property line. The surface stain appeared to be surficial in nature and is not likely to result in a significant environmental concern.
- During the site visit on the Smith Parcels, a large amount of yellow acrylic paint (Glidden essentials GLE-5013N Flat) was observed on the bare ground (gravel) due to overspray of wood beams. The paint readily dries on the gravel and is not expected to migrate into the subsurface. This area can be scraped and disposed (cleaned-up) as needed and does not appear to represent a significant environmental concern at this time.
- During the site visit on the Smith Parcels, vehicles (trucks) were being sprayed down with water on the bare ground to remove dust and dirt that appeared to utilize water only. The spray down activity was being conducted in the maintenance area on the south side parcel only. Due to dry conditions, the water appeared to readily move across the surface and evaporate. No oil staining or detergents were observed to be used. It is not known how often or how long vehicles and equipment have been sprayed down in this area. In addition, vehicle radiators appeared to be sprayed down or washed out with water on the bare ground next to the water spigot in the same maintenance area. Dark oil staining was observed in this area around the spigot. It is not known how often or how long radiators and/or other equipment have been washed down in this area, as no significant regulatory records were identified pertaining to site operations.

Wastewater (including wash water) from any type of vehicle or equipment washing or spray down can contain substances such as oil and grease, petroleum products, dirt and grit, heavy metals, detergents, and other pollutants. These contaminants may cause pollution of surface water or ground water and result in violations of water quality standards if the wastewater is not properly managed. Therefore, persons involved in washing operations and the owners of subject property should follow appropriate Best Management Practices (BMPs) to prevent environmental impacts. Vehicle spray down does not appear to represent a significant environmental concern at this time; however, BMPs should be employed. Surficial oil staining observed around the water spigot may be excavated and disposed at the time of site redevelopment should it be deemed necessary.

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

No potential PCB-containing equipment (transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be presumed to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building that have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property is primarily vacant land with only concrete slab and metal awnings present. No suspect building materials or construction debris piles containing suspect items such as drywall, flooring materials, ceiling panels, etc., were observed at the subject property.

6.3.2 Lead-Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm^2 (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X", to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X,

intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

The subject property is vacant land. No suspect construction debris piles containing painted items were observed at the subject property.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Review of the US EPA Map of Radon Zones places the subject property in Zone 2. Based upon the radon zone classification, radon is not considered to be a significant environmental concern for future structures.

6.3.4 Lead in Drinking Water

According to the EMWD 2019 Annual Water Quality Report, water supplied to the subject property vicinity is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g., in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

The subject property is vacant land; therefore, a mold survey was not performed. In addition, no obvious indications of mold growth were observed on soil during Partner's visual assessment.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. The following uses were identified during the course of this assessment.

6.4.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

The adjacent property to the east is identified as Inland Empire Energy Center LLC (IEEC) at 26226 Antelope Road, which comprises 46 acres of land developed with a natural gas-fired power plant opened in 2009. The IEEC is identified as a chemical storage facility, hazardous waste generator, AST operator, and air emissions permitted site (see Section 4.2.3 for discussion).

6.4.2 ASTs/USTs for Hazardous Substances or Petroleum Products

The adjacent property IEEC facility is identified as an AST operator (see Section 4.2.3 for discussion).

No additional items of environmental concern were identified on the adjacent properties during the site assessment including USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, landfills, or other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *REC* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment.

- Partner did not identify RECs during the course of this assessment.

A *CREC* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

- Partner did not identify CRECs during the course of this assessment.

A *HREC* refers to 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.

- Partner did not identify HRECs during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion.

All Parcels

- The subject property parcels were historically used for agricultural purposes. There is a potential that agricultural related chemicals such as pesticides, herbicides and fertilizers, may have been used and stored onsite. It is expected that during grading and redevelopment activities that shallow soils containing any residual agricultural chemicals will be either removed or mixed with fill materials and further may be placed beneath structural fill materials that will reduce the potential for direct exposure to residual agricultural chemicals (if any). Furthermore, residual agricultural chemicals (if any) would have likely degraded since the site was last utilized for agricultural purposes. Based on these reasons, Partner concludes that the possible former use of agricultural chemicals is not expected to represent a significant environmental concern.

Motte Parcel

- The subject property was formerly used as a planter soil sales and distribution yard between circa 2002 and 2007, which is not expected to represent a significant environmental concern based on the short duration of time this business operated (less than 10 years) and as stockpiled soils appear to have been removed. In addition, future redevelopment earthwork is expected to either remove the fill soils or mix with native and/or fill materials, if suitable.

Courtney Parcel

- The subject property was formerly used as a heavy equipment storage yard in connection with the adjacent property to the north between circa 2000 and 2009. Although no regulatory records

were identified for the subject property or adjacent property indicating the use of regulated quantities of hazardous substances, it is possible that maintenance activities and/or fueling were conducted on the equipment at or adjacent to the subject property. Prior heavy equipment storage uses are not expected to represent a significant environmental concern based on the short duration of time the business operated (approximately 10 years), lack of visual or reported staining on the ground, and lack of regulatory records identified indicating hazardous substances were used or stored at the facility. In addition, it is expected that future redevelopment earthwork will identify any residual impacts, if any, which will be handled/disposed at that time.

Smith Parcels

- The subject property is currently used as a contractor's storage yard dating back to circa 2000 where heavy equipment and materials are stored. During the site visit, vehicle maintenance activities were observed on the south side parcel on paved and unpaved surfaces that included the generation of hazardous waste identified as waste oil, waste coolant, used oil filters, and used batteries. Additional hazardous substances included containers of fresh motor oil, DEF (diesel exhaust fluid), fresh antifreeze, and other automotive fluids and cleaners including propane tanks to fuel several forklifts and various vehicle parts and tires. Liquid hazardous waste drums are situated on a secondary containment basin within a metal storage container with two drums of used oil filters situated on the concrete slab without secondary containment. Fresh automotive fluids are stored primarily on shelves. No significant staining or leaks were observed around the hazardous waste containers. The maintenance awning and slab appear to be newer features at the subject property installed after 2016 most likely in connection with the current tenant's operations. Based on the short duration of time the property appears to have conducted vehicle maintenance activities with no signs of significant staining noted or reported including a lack of regulatory records or violations, vehicle maintenance activities do not appear to represent a significant environmental concern at this time.
- During the site visit a large amount of yellow acrylic paint (Glidden Essentials GLE-5013N Flat) was observed on the bare ground (gravel) due to overspray of wood beams. The paint readily dries on the gravel and is not expected to migrate into the subsurface. This area can be scraped and disposed (cleaned-up) as needed and does not appear to represent a significant environmental concern at this time.
- During the site visit, vehicles (trucks) were being sprayed down with water on the bare ground to remove dust and dirt that appeared to utilize water only. The spray down activity was being conducted in the maintenance area on the south side parcel only. Due to dry conditions, the water appeared to readily move across the surface and evaporate. No oil staining or detergents were observed to be used. It is not known how often or how long vehicles and equipment have been sprayed down in this area. In addition, vehicle radiators appeared to be sprayed down or washed out with water on the bare ground next to the water spigot in the same maintenance area. Dark oil staining was observed in this area around the spigot. It is not known how often or how long radiators and/or other equipment have been washed down in this area.

Wastewater (including wash water) from any type of vehicle or equipment washing or spray down can contain substances such as oil and grease, petroleum products, dirt and grit, heavy metals, detergents, and other pollutants. These contaminants may cause pollution of surface water or ground water and result in violations of water quality standards if the wastewater is not properly managed. Therefore, persons involved in washing operations and the owners of subject property should follow appropriate Best Management Practices (BMPs) to prevent environmental impacts. Vehicle spray down does not appear to represent a significant environmental concern at this time; however, BMPs should be employed. Surficial oil staining observed around the water spigot may be excavated and disposed at the time of site redevelopment should it be deemed necessary.

Kavianna Parcel

- The subject property was formerly used as a contractor's storage yard from circa 2000 to 2013 where heavy equipment and an office trailer were located. The storage yard was owned and occupied by Kiewit under different business entity names and in which hazardous waste was generated during this time period. Hazardous waste was reported as waste oil and mixed oil, other unspecified oil-containing waste, solid waste, and off-spec, aged or surplus materials, and others. Based on the short duration of time the property was used for storage and observations that equipment and materials have been removed with no signs of staining or other environmental concerns noted or reported, the former use of the subject property as a contractor's storage yard is not expected to represent a significant environmental concern.

Dutta Parcel

- The subject property was formerly used as a contractor's storage yard from circa 2002 to 2014 with business names identified as Ladd Associate, Inc. (2007), Foxfire Constructors Inc. (2010 to 2014) and LH Woods & Sons (2014). Each of these tenants generated hazardous waste that appears to be waste oil, unspecified aqueous solution, unspecified solvent mixture, and unspecified solid waste. Based on the short duration of time the property was used for storage and observation that equipment and materials have been removed, with the exception of a few inert items (concrete road barriers, a metal plow part, and gravel) with no signs of staining or other environmental concerns noted, the former use of the subject property as a contractor's storage yard does not represent a significant environmental concern.

Gentillon Parcel

- The subject property was formerly used by Swanillon, Inc., dba The Land Stewards, as a contractor's storage and fabrication yard with mobile home from circa 2006 to 2012. Based on the short duration of time this business operated (less than 10 years), and observation that equipment and materials have been removed, with the exception of a few piles of rubble and building materials from a jobsite removal, the former use of the subject property as contractors' storage and fabrication yard does not represent a significant environmental concern.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of Eight Parcels Southeast of Ethanac and Dawson Roads in

Menifee, Riverside County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- If redevelopment of the subject property is planned for residential use, sampling for agricultural chemicals is recommended.
- Best Management Practices (BMPs) should be employed at the subject property as it pertains to vehicle and equipment wash down to prevent environmental impacts.
- Surficial soil impacts identified at the subject property (paint and oil and grease) may be addressed at the time of site redevelopment through a Soil Management Plan (SMP). Should a higher level of environmental due diligence be desired, soil sampling may be conducted.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at Eight Parcels Southeast of Ethanac and Dawson Roads in Menifee, Riverside County, California in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

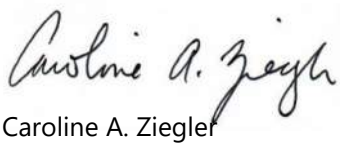
By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:



Joseph Kim
Environmental Scientist

Reviewed By:



Caroline A. Ziegler
Senior Project Manager

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

Environmental Data Resources (EDR), Radius Report, March 2021

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, March 2021

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, March 2021

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, March 2021

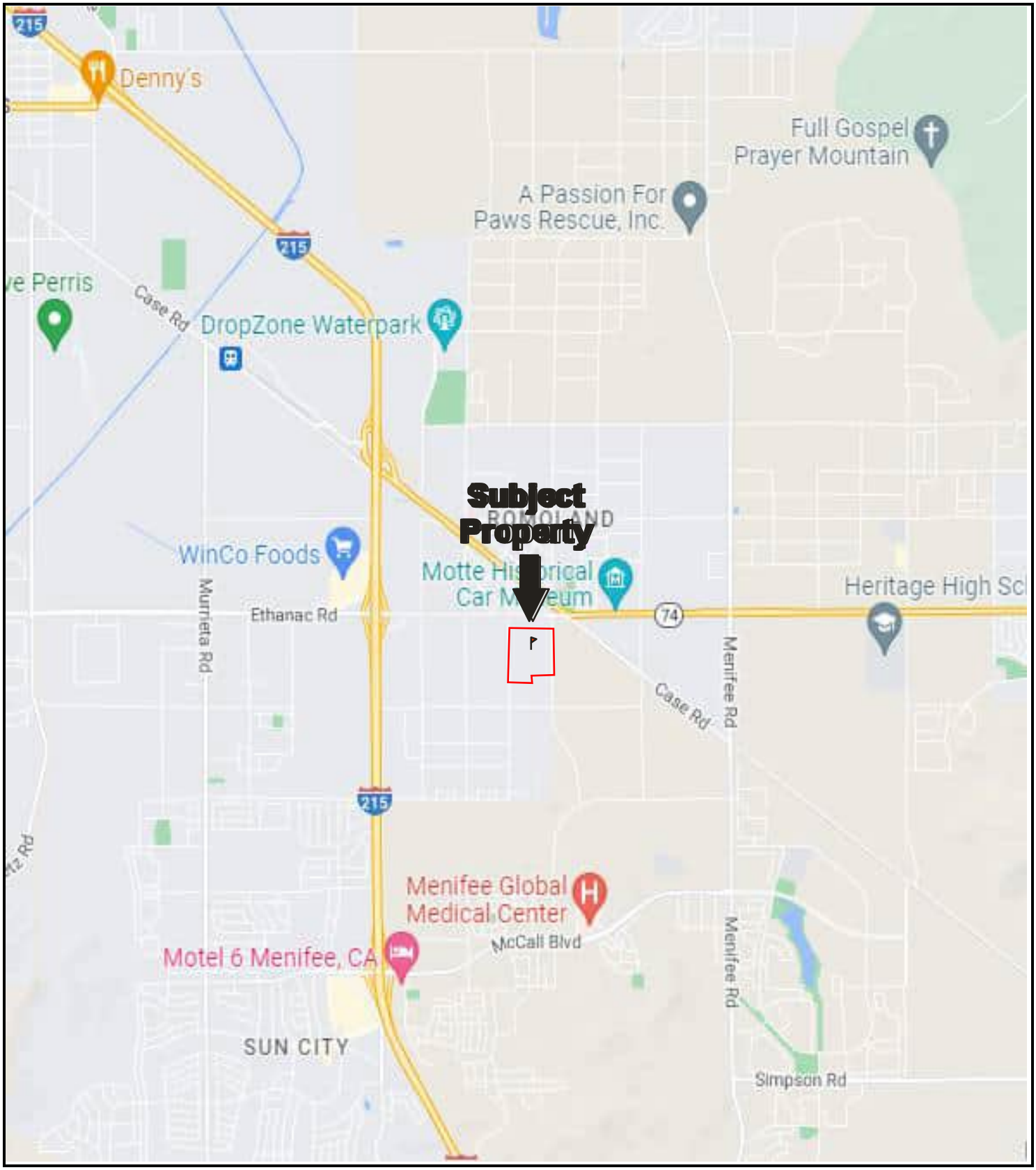
United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, March 2021

United States Geological Survey, accessed via the Internet, March 2021

United States Geological Survey Topographic Maps, 7.5-minute series, EDR Historical Topo Map Report, March 2021

FIGURES

1 SITE LOCATION MAP
2 SITE PLAN
3 TOPOGRAPHIC MAP



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Drawing Not To Scale

KEY:
Subject Property

FIGURE 1: SITE LOCATION MAP
Project No. 21-308686.7

PARTNER



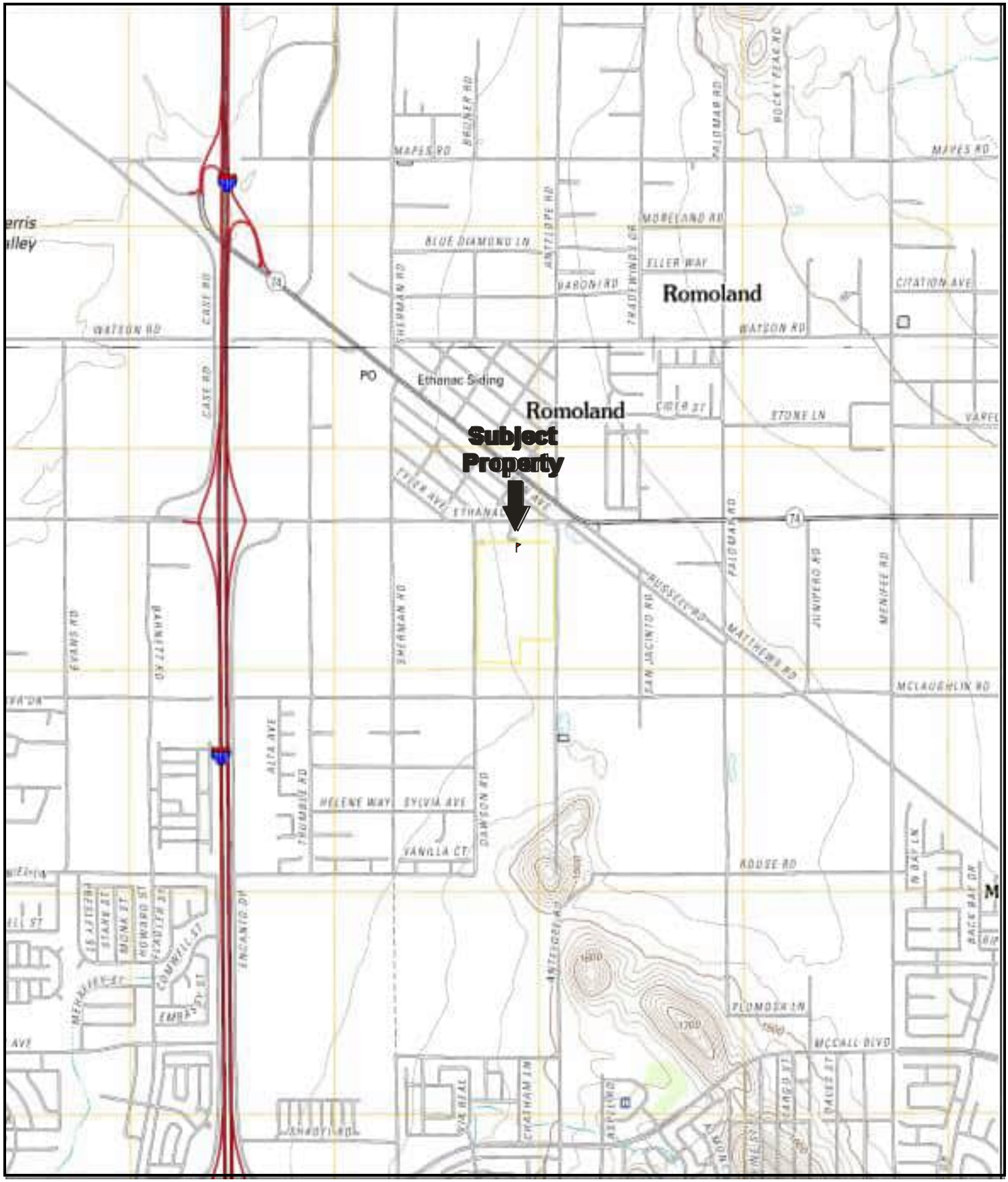
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GROUNDWATER FLOW

KEY:
Subject Property

FIGURE 2: SITE PLAN
Project No. 21-308686.7

PARTNER



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USGS 7.5 Minute *Romoland, California* Quadrangle
Created: 2012

KEY:
Subject Property

FIGURE 3: TOPOGRAPHIC MAP
Project No. 21-308686.7

PARTNER

APPENDIX A: SITE PHOTOGRAPHS



1. View of the east side entrance to the subject property looking northwest (Courtney)



2. View of the subject property looking west (Courtney)



3. View looking northwest across the subject property (Courtney)



4. View of the south side of the property looking east (Courtney)



5. View of adjacent Inland Empire Energy Center facility looking northeast from Antelope Road. (Smith)



6. View of pea gravel on the ground on the north side of the subject property looking north (Smith)



7. View of the northeast corner of the subject property looking northwest toward adjacent Sahara Scaffold (Smith)



8. View of dark staining migrating from the adjacent Sahara Scaffold property (Smith)



9. View of adjacent Sahara Scaffold entry off Antelope Road looking northwest (Smith)



10. View of scaffolding looking southwest at APN 331-150-039 from north side of property (Smith)



11. View of storage items at the subject property looking southwest across the subject property (Smith)



12. View looking south from the north side of the property between parcels -039 and -040 (Smith)



13. View looking across the west side of the property at APN 331-150-040 looking west (Smith Parcels)



14. View of the west side of the property at APN 331-150-040 looking east (Smith Parcels)



15. View of vehicle wash down in maintenance area looking east (Smith Parcels)



16. View of drums of used oil filters in maintenance area (Smith Parcels)



17. View of adjacent storage building to the north fronting Ethanac Road looking northeast (Smith Parcels)



18. View of adjacent storage lot to the north fronting Ethanac Road looking north (Smith Parcels)



19. View of the entrance to the subject property northwest from Dawson Road (Kavianna)



20. View of the subject property land looking east (Kavianna)



21. View of the subject property looking northeast across the property (Dutta)



22. View of land to adjacent west of the subject property looking north (Dutta)



23. View of the subject property land looking east across the property (Dutta)



24. View of subject property land looking south-southeast (Dutta)



25. View of adjacent residence to the southwest looking southwest from Dawson Road (Gentillon)



26. View of vacant land to the adjacent west of the subject property looking west from Dawson Road (Gentillon)



27. View of adjacent property and residence to the south looking southwest from Dawson Road (Gentillon)



28. View of ground surface at the subject property looking west across the property (Gentillon)

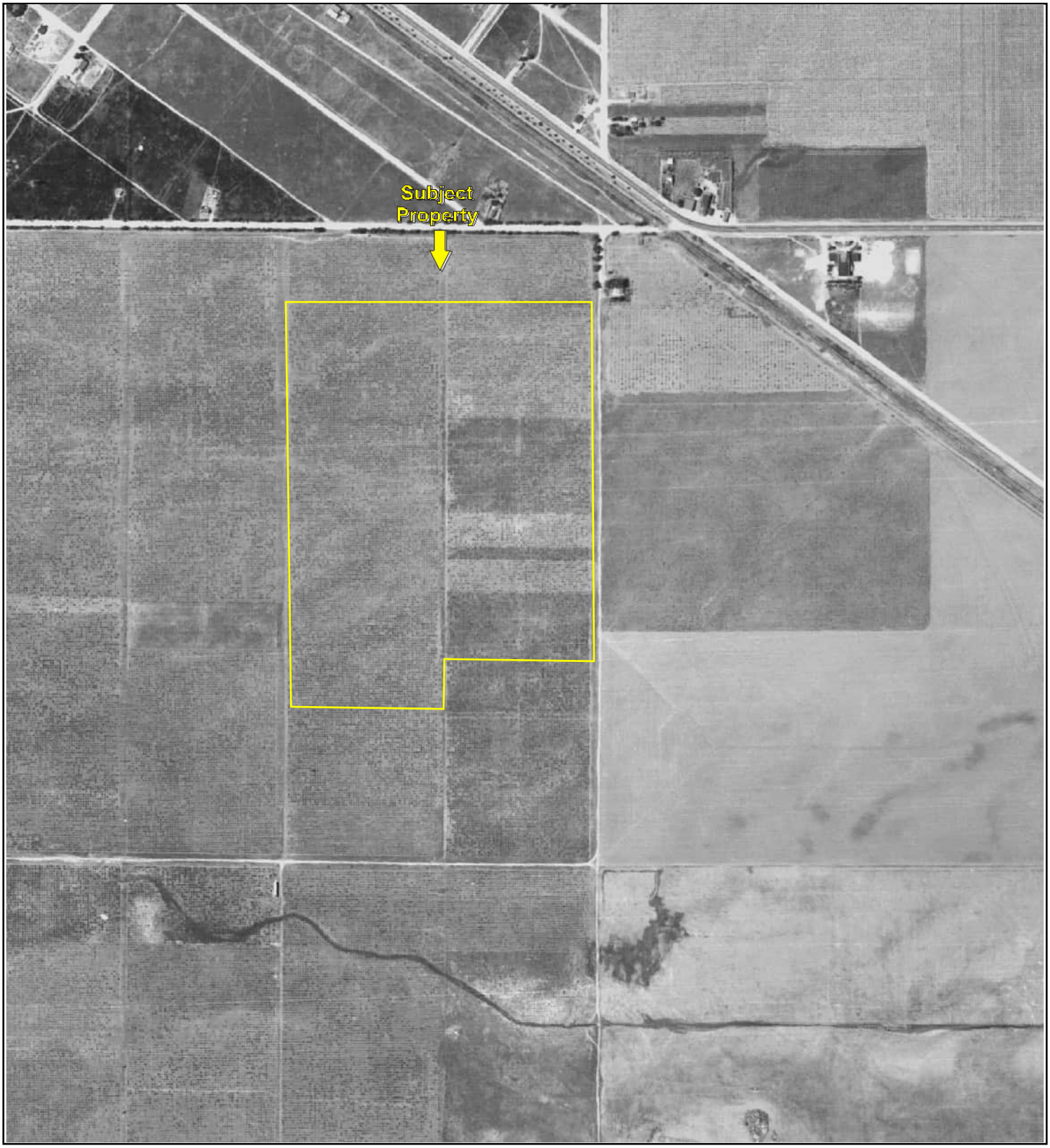


29. View of adjacent property to the north looking northeast from Dawson Road. (Gentillon)



30. View of adjacent RV storage facility to the east of property looking northeast (Gentillon)

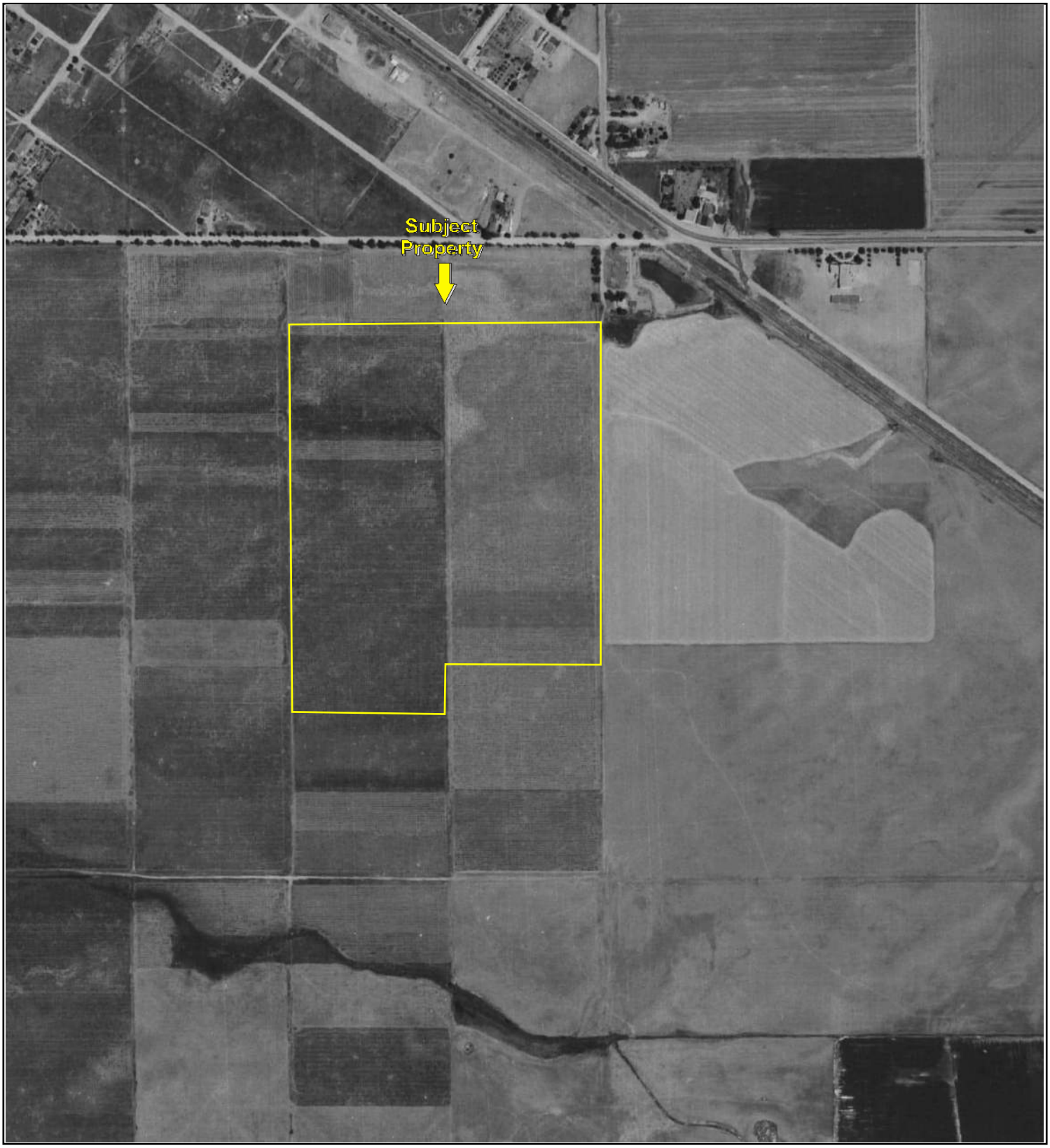
APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION



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Key: Subject Property

Menifee/Antelope Assemblage - Smith Parcels

Antelope Road

Sun City, CA 92585

Inquiry Number: 6480674.3

May 05, 2021

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

05/05/21

Site Name:

Menifee/Antelope Assemblage
Antelope Road
Sun City, CA 92585
EDR Inquiry # 6480674.3

Client Name:

Partner Engineering and Science, Inc.
2154 Torrance Blvd, Suite 200
Torrance, CA 90501-0000
Contact: Karli Mcmurray

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Certified Sanborn Results:

Certification # C1C0-49B2-9434

PO # 21-308686.3

Project 21-308686.3

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: C1C0-49B2-9434

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Menifee/Antelope Assemblage - Smith Parcels
Antelope Road
Sun City, CA 92585

Inquiry Number: 6480674.5
May 11, 2021

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

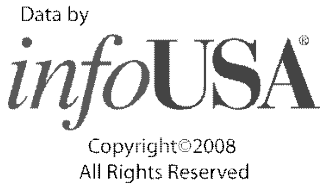
DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☑	EDR Digital Archive
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1985	☑	☑	Haines Criss-Cross Directory
1980	☑	☑	Haines Criss-Cross Directory
1976	☑	☑	Haines Criss-Cross Directory
1971	☐	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

Antelope Road
Sun City, CA 92585

Year	*CD Image*	*Source*	
ANTELOPE RD			
2017	pg A2	EDR Digital Archive	
2014	pg A7	EDR Digital Archive	
2010	pg A12	EDR Digital Archive	
2005	pg A17	EDR Digital Archive	
2000	pg A22	EDR Digital Archive	
1995	pg A27	EDR Digital Archive	
1992	pg A31	EDR Digital Archive	
1985	pg A35	Haines Criss-Cross Directory	
1980	pg A39	Haines Criss-Cross Directory	
1980	pg A40	Haines Criss-Cross Directory	
1976	pg A43	Haines Criss-Cross Directory	
1971	-	Haines Criss-Cross Directory	Street not listed in Source
DAWSON RD			
2017	pg A4	EDR Digital Archive	
2014	pg A9	EDR Digital Archive	
2010	pg A14	EDR Digital Archive	
2005	pg A19	EDR Digital Archive	
2000	pg A24	EDR Digital Archive	
1995	pg A28	EDR Digital Archive	
1992	pg A32	EDR Digital Archive	
1985	pg A36	Haines Criss-Cross Directory	
1980	pg A41	Haines Criss-Cross Directory	
1976	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
ETHANAC RD			
2017	pg. A5	EDR Digital Archive	
2014	pg. A10	EDR Digital Archive	
2010	pg. A15	EDR Digital Archive	
2005	pg. A20	EDR Digital Archive	
2000	pg. A25	EDR Digital Archive	
1995	pg. A29	EDR Digital Archive	
1992	pg. A33	EDR Digital Archive	
1985	pg. A37	Haines Criss-Cross Directory	
1980	pg. A42	Haines Criss-Cross Directory	
1976	pg. A44	Haines Criss-Cross Directory	
1976	pg. A45	Haines Criss-Cross Directory	
1971	-	Haines Criss-Cross Directory	Street not listed in Source
MCLAUGHLIN RD			
2017	pg. A6	EDR Digital Archive	
2014	pg. A11	EDR Digital Archive	
2010	pg. A16	EDR Digital Archive	
2005	pg. A21	EDR Digital Archive	
2000	pg. A26	EDR Digital Archive	
1995	pg. A30	EDR Digital Archive	
1992	pg. A34	EDR Digital Archive	
1985	pg. A38	Haines Criss-Cross Directory	
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1976	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2017

24385 DENZ, PAMELA A
24563 JARAMILLO, JENNIFER
24710 QUINTANA, OSCAR
25090 DEESE, RICK L
25120 SANCHEZ, OSCAR P
25150 JONES, LINDA S
25180 PADILLA, MIGUEL A
25200 HASELWOOD, HERBERT
25240 DAVIS, RONALD G
25245 JSMIR, RANCHO
25260 ELLER, DOROTHY
25275 FLORES, LOUIS A
25280 ELLER, RICHARD J
25285 WARNING, ROBERT C
25292 ALVAREZ, RODRIGO
25295 WOOLDRIDGE, JAMES W
25388 RAMIREZ, JOCELYN
25420 ESPINOZA, MARIA
25442 HUFFMAN, RICK C
25480 CUMSTAY, VIVIAN
25486 BARRIOS, YESENIA I
25490 LIZARRAGA, VIRGINIO
NANAS HOME CARE
25494 HICKMAN, JERRY W
25496 VELAZQUEZ, RAMON A
25510 LEWIS, SUZANNE M
RISING STAR
25557 WISEMAN, EVA M
25572 MENDOZA, AURELIO M
25600 ALEXANDER, JACINTA
25630 GOMEZ, MARIA M
25639 LIVELY, RYAN J
25646 TRIANA, MORALES R
25670 GRASS, LES
25740 REYES, JESUS
25750 LAMAS, GABRA
25754 NERI, ARIANA
25764 REYES, ESPERANZA T
25766 OLMEDO, JOSE A
25801 CHAMBERS, ALMA
25887 ROMERO, SALVADOR C
25890 ROMOLAND ELEMENTARY SCHOOL
27767 BRITTON, MAUREEN
27773 CABRERA, ERIC P
27781 PEREZ, RICHARD
27787 CERDA, ANTONIA
27793 HAYNES, JEFFREY S
27799 FLORES, RICHARD R
27803 LACKEY, DYLAN K
27811 CORONA, YVONNE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2017 (Cont'd)

27817 MOSIER, STEVEN G
27839 SOLOMON, BRITTNEY
27847 MULKHAN, LEAKRANIE T
27855 ROZARIO, TONY J
27863 JOYNER, MICHAEL
27887 GLENN, BONNIE E
27913 WARD, JASON
27919 ERSKIN, SHANNON K
27929 NEAIPROEUNG, TIMOTHY N
27951 RANGEL, GERADO M
27963 SHULL, CYNTHIA R
27975 BRYANT, WILLIAM
28045 GRAINGER, RICHARD J
28181 GOULD, SUZANNE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

DAWSON RD 2017

24120	GROOVER, KENNETH R
24829	DUNLAP, FELTON L
26333	SAN DIEGO EROSION CONTROL
26375	CHAMBERLAIN, KARLAN A
26395	MERCADO, JULIAN J
26511	MASSIMO, VINCE M
26520	BARNES, BILLY R
26630	GOMEZ, LISA
26645	BATES, BEN H
26658	ROMERO, SATURNINO
26851	PUENTES, JOHN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ETHANAC RD 2017

26481	RUIZ, ROBERTO
27271	AGAPE AUTOBODY & PAINT
	AIR & HOSE SOURCE
	TOP TECH AUTO & SONS
	UHAUL
27381	SAFWAY SERVICES
27391	ARCOS, CELESTINO
27411	CAMBEROS SMOG
	CHANEYS CERTIFIED AUTO
	CHANEYS CERTIFIED AUTO REPAIR
27451	DERAS, VERONICA
27546	VALDIVIA, MARVIN
27555	GODINA, ALEJO
27556	BLACKWOOD, GEORGE F
27575	JONES, LINDA S
27625	TUTTLE, PEGGY J
27686	POSTEL, EUGENE
27765	SMITH, RUSSELL T
27775	ADAMCEWICZ, MARJORIE T
27789	COWL, DAVID F
27805	CAMPOS, VANESSA
27812	HOUCHIN, VELMA M
27861	E & E DRYWALL
	PEREZ, ELISEO
27912	GONZALEZ, TERESA
27915	GARIBAY, HECTOR C

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

MCLAUGHLIN RD 2017

25631 CRAIG, JOHN H
25687 FIGUEROA, FELIX
25775 JOHNSON, CODY
25805 HARVISON, ELIZABETH A
25835 KWAN, ROBERT H
25865 SMITH, PATRICK D
26139 PEBLEY, JEREMY
26153 CAPLAN, DONNA C
26175 WEIRICK, JOHN O
26203 FRANKS, ELLEN C
26229 HARRIS, CHRISTOPHER R
26241 PLASCENCIA, ARTURO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2014

24385 DENZ, PAMELA A
24501 GOMEZ, ALFREDO
SCHVANEVELDT QUARTERHORSE RANCH
24563 OCCUPANT UNKNOWN,
24710 OCCUPANT UNKNOWN,
24766 CASTRO, SALVADOR V
25090 DEESE, RICK L
25120 LOPEZ, EMILIO L
25150 JONES, LINDA S
25180 PADILLA, MIGUEL A
25200 HASELWOOD, HERBERT
25240 DAVIS, RONALD G
25245 JSMIR, RANCHO
25260 ELLER, PETE L
K & N CUSTOMS FULL MOBILE RV SERVICE
25275 RAMIREZ, SUSANO S
25280 ELLER, JAY S
25285 WARNING, ROBERT C
25292 ALVAREZ, RODRIGO
25295 WOOLDRIDGE, JAMES W
25305 WARREN, DAVID L
25388 DIAZ, ELIZABETH
25420 ESPINOZA, MARIA
25442 HUFFMAN, RICK C
25480 CUMSTAY, VIVIAN
25486 CORREA, OMAR
25490 HOME, CARE N
NANAS HOME CARE
25494 OCCUPANT UNKNOWN,
25496 VELAZQUEZ, RAMON A
25510 BIERNACKI, MARK
25557 OCCUPANT UNKNOWN,
25572 OCCUPANT UNKNOWN,
25600 RODRIGUEZ, MARIA
25626 MUNOZ, FERNANDO N
25630 GOMEZ, DANIEL F
25639 HERNANDEZ, SARA M
25646 TRIANA, MORALES R
25670 GRASS, LES
25740 OCCUPANT UNKNOWN,
25748 OCCUPANT UNKNOWN,
25750 LAMAS, RAMIRO
MORENO, MARIBEL
SANTACRUZ, JOSE S
25754 MORETTI, ENRIQUE
25764 REYES, ESPERANZA T
25766 OLMEDO, JOSE A
25801 URIBE, RUCIO
VASQUEZ, LETICIA V
25887 ROMERO, SALVADOR C

ANTELOPE RD 2014 (Cont'd)

25889 OCCUPANT UNKNOWN,
25890 ROMOLAND ELEMENTARY SCHOOL
ROMOLAND HEAD START
27767 BRITTON, MAUREEN
27773 CABRERA, ERIC P
27781 OCCUPANT UNKNOWN,
27787 NEVAREZ, ALEX S
27793 OCCUPANT UNKNOWN,
27803 LACKEY, DYLAN K
27811 BANKS, WILLIAM R
27817 MOSIER, MARIE M
27823 RODRIGUEZ, KARISHA
27839 SOLOMON, BRITTNEY
27847 MULKHAN, LEAKRANIE
27855 MATTHEWS, HEATHER
27863 JOYNER, MICHAEL
27871 ALCALA, RAMON
27887 FULLER, BONNIE E
27895 CATACUTAN, ROBER
27903 HENDRICKSON, KEVIN
SANTANA, FAUSTINO
27913 OCCUPANT UNKNOWN,
27919 ERSKIN, SHANNON K
27929 NEAI, VUTHY
27939 OCCUPANT UNKNOWN,
27951 RANGEL, GERADO M
27963 SHULL, CYNTHIA R
27975 BRYANT, WILLIAM
28045 OCCUPANT UNKNOWN,
28181 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

DAWSON RD 2014

24055 ZAVALA, RIGO
24120 GROOVER, KENNETH R
24829 DUNLAP, R
26330 OCCUPANT UNKNOWN,
26333 SAN DIEGO EROSION CONTROL
26375 CHAMBERLAIN, KARLAN A
26395 VERDIN, MONICA
26450 OCCUPANT UNKNOWN,
26511 MUELLER, DAVID
26520 OCCUPANT UNKNOWN,
26630 GOMEZ, LISA
26645 BATES, BEN H
26658 ROMERO, SATURNINO
26851 PUENTES, JOHN
26871 THOMPSON, HILARY A
27045 ASHLEY, MABEL E

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ETHANAC RD 2014

26481	RUIZ, ROBERTO
27271	AIR & HOSE SOURCE
	AIR & HOSE SOURCE INC
	TOP TECH AUTO & SONS
	TOP TECH AUTO REPAIR CENTER
	UHAUL
27381	RILEY, DAN
	SAFWAY SERVICES
27391	ARCOS, CELESTINO
27411	CHANEYS CERTIFIED AUTO REPAIR
27451	CARDENAS, JOSE A
	SHELTONS GOLF CARS
	VILLANUEVA, MARIA
27471	OCCUPANT UNKNOWN,
27491	TIRE STOP & RECYCLING
27546	PENUNURI, JACK
27555	GODINA, ALEJO
	PONCE, MIRIAM
27556	BLACKWOOD, GEORGE F
27575	LINDA, JONES
27625	TUTTLE, PEGGY J
27636	DZIEDZICKIE, CHAD
27686	WOODS, THOMAS R
27765	CONNORS, MEREDITH J
27775	ADAMCEWICZ, MARJORIE T
27789	WILLIAMS, ADRIAN
27793	OCCUPANT UNKNOWN,
27805	OCCUPANT UNKNOWN,
27812	HOUCHIN, VELMA M
27861	E & E DRYWALL
	PEREZ, ELISEO
27912	QUEZADA, MIRSLA
27915	VELASQUEZ, JUAN M

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

MCLAUGHLIN RD 2014

25631	HAYES, DENNIS W
25687	SMITH, LAURA
25705	OCCUPANT UNKNOWN,
25735	PEREZ, EDWARD J
25775	RYAN, ROBERT R
25805	PATTON, JOSEPH F
25835	NEPOLITAN, VINCENT J
25865	SMITH, PATRICK D
26139	OCCUPANT UNKNOWN,
26153	CAPLAN, DONNA C
26175	CAMPBELL, BRENDA K
26203	FRANKS, ELLEN C
26229	HARRIS, CHRISTOPHER R
26241	PLASCENCIA, ARTURO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2010

24385 DENZ, PAMELA A
24501 BATREZ, HECTOR
SCHVANEVELDT QUARTERHORSE RNCH
24563 LEWIS, KEVIN A
24710 OCCUPANT UNKNOWN,
24766 CASTRO, SALVADOR V
25090 CITY BUILDERS
DEESE, RICK L
25120 LOPEZ, EMILIO
25150 JONES, LINDA S
25180 PADILLA, ROSARIO R
25200 HASELWOOD, HERBERT E
25240 DAVIS, RONALD G
25245 LEON, RAMON
25260 BRUCE, NOVA J
GLOVER, G
K & N CUSTOMS
MCFADDEN, LINDA
25275 OCCUPANT UNKNOWN,
25285 WARNING, ROBERT C
25292 HINCKLEY, MARGARET
25295 WOOLDRIDGE, JAMES W
25305 WARREN, DAVID D
25388 TORRES, MANUEL J
25420 GAVLIK, GENE E
25442 HUFFMAN, AMA J
25480 RED, MARGARET J
25486 BARRIIOS, YESENIA
25490 HOME, CARE N
NANAS HOME CARE
25494 TORRES, ROSA M
25496 VELAZQUEZ, RAMON A
25510 SMITH, JOHN
25557 OCCUPANT UNKNOWN,
25572 MENDOZA, AURELIO M
25600 OCCUPANT UNKNOWN,
25625 MORALES, OSCAR A
25626 OCCUPANT UNKNOWN,
25630 GOMEZ, DANIEL F
25639 JACKSON, AMBER M
25646 AVELINO, CARITINA
25670 GRASS, MARY E
25740 OCCUPANT UNKNOWN,
25748 OCCUPANT UNKNOWN,
25750 LAMAS, RAMIRO
MONTES, EMMA L
MORENO, MARIBEL
RODRIGUEZ, ISMAEL
SANTACRUZ, JOSE S
25754 LANDAVERDE, JULIO

ANTELOPE RD 2010 (Cont'd)

25754 MARIA, GALINDO
PENA, GUILLERMO
25755 BERNATINE, DAVID G
25764 REYES, ESPERANZA T
25766 BLANCO, MIGUEL
25801 CORREA, MARIANA
25887 BATH, K
25889 LOPEZ, CRISTINA
25890 ROMOLAND ELEMENTARY SCHOOL
ROMOLAND HEAD START
25926 BENIGNI, TINA
26226 TOP GRADE CONSTRUCTION
27773 CABRERA, ERIC P
27781 PEREZ, MARY H
27793 LARSON, GLEN J
27799 OCCUPANT UNKNOWN,
27803 APEL, ELIZABETH A
27811 BANKS, BILL R
27817 MOSIER TREE SVC
MOSIER, ANNETTE
27823 BENDLIN, TIMOTHY
27847 BONILLAS, REINA A
27855 LEE, CHAN J
27863 ESGATE, BRIAN G
27871 HERBSTREITH, LORI J
27895 BORNEMANN, KURT
27903 SANTANA, FAUSTINO
27913 THORPE, A
27919 ERSKIN, GARY
27929 JONES, BEAU M
27939 WILSON, LEW
27951 RANGEL, GERADO M
27963 SHULL, CYNTHIA R
27975 THOMPSON, DIANNA
28045 GRAINGER, RICHARD J
28181 BARRILLARO, ANNE C

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

DAWSON RD 2010

24120	GROOVER, KENNETH R
24829	HAYES, RL L
26330	OCCUPANT UNKNOWN,
26375	CHAMBERLAIN, KARLAN A
26395	VERDIN, MONICA
26450	RUBALCAVA, JULIAN G
26511	MASSIMO, VINCE M
26520	FRENCH, GENE
26630	OCCUPANT UNKNOWN,
26645	BATES, BEN H
26658	GREEN, SAMUEL V
26851	PUENTES, JOHN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ETHANAC RD 2010

26481 RUIZ, ROBERTO
27271 ALICIAS TRUCK & TIRE SUPPLY
REALISTIC AUTOMOTIVE
TOP TECH AUTO & SONS
27381 BURNS, CHRISTINE A
THYSSENKRUPP SAFWAY INC
27391 ARCOS, CELESTINO
27411 CHANEYS CERTIFIED AUTO REPAIR
27451 SHELTONS GOLF CARS
27471 OCCUPANT UNKNOWN,
27491 TIRE SHOP
UHAUL CO
27531 QUICKCOVERSCOM
27555 PONCE, MIRIAM
27556 BLACKWOOD, CHARLIE L
27575 JONES, STEPHEN H
27625 TUTTLE, ROY E
27636 DZIEDZICKIE, TONY J
27686 POSTEL, EUGENE
27765 CONNORS, MICHAEL
27775 OCCUPANT UNKNOWN,
27789 COWL, DAVID F
GARGES TOWING
27793 GAGLIARDI, MICHAEL L
27805 FLAKE, HARVEY A
27812 HOUCHIN, DONALD W
27861 GONZALEZ, ANABEL
27912 GARDNER, TERESA G
27915 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

MCLAUGHLIN RD 2010

25631 HAYES, DENNIS W
25687 OCCUPANT UNKNOWN,
25705 GAUERKE, PAM
25735 PEREZ, EDDIE D
25775 OCHOA, CHRISTINE A
25805 OCCUPANT UNKNOWN,
25835 MESSENGER, JAMES E
25865 SMITH, PATRICK D
26139 BENT, CHARLES A
26153 CAPLAN, DONNA C
26175 WEIRICK, JOHN O
26203 FRANKS, BILL G
26229 OCCUPANT UNKNOWN,
26241 PLASCENCIA, ARTURO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2005

24050 DUPONT, SUZANNE D
24385 DENZ, PAMELA A
24501 GARCIA, ADAM
SCHVANEVELDT RANCH
24563 OCCUPANT UNKNOWN,
24710 ZEPEDA, RAMON J
24766 CASTRO, SALVADOR V
24950 FORRY, ROBERT S
25090 CITY BUILDERS
DEESE, RICK L
25150 JONES, LINDA S
25180 OCCUPANT UNKNOWN,
25200 HASELWOOD, HERBERT E
25245 WILSON, BARRY D
25260 OCCUPANT UNKNOWN,
25275 RAMIREZ, SUSANO S
25280 ELLER BROTHERS TRUCKING
ELLER, RICHARD
25285 WARNING, ROBERT C
25292 HINCKLEY, MARGARET
25295 WOOLDRIDGE, JAMES W
25305 WARREN, DAVID D
25420 GAVLIK, GENE E
25442 HUFFMAN, AMA J
25480 RED, MARGARET J
25486 CORREA, OTILIO
25490 LIZARRAGA, GINO
25496 COOK, COLLEEN M
25510 SMITH, JOHN
25557 OCCUPANT UNKNOWN,
25572 MENDOZA, AURELIO M
25600 BERNAL, CRUZ
25626 MORALES, OSCAR A
25630 OCCUPANT UNKNOWN,
25639 WALSH, HAROLD W
25646 RHODES, DONN
25670 CRAWFORD, MICHELLE
25740 OCCUPANT UNKNOWN,
25748 MARTINEZ, JUANA
25750 SANTACRUZ, JOSE S
25754 VASQUEZ, DAVID
25755 BERNATINE, DAVID G
25764 VEGA, JOSE L
25766 SANTANA, ELIZABETH
25801 VELASQUEZ, CARLOS
25889 OCCUPANT UNKNOWN,
25890 ROMOLAND HEAD START
25926 BENIGNI, TINA
27773 PRESCOTT, ERIC A
27781 LOPEZ, RICHARD J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2005 (Cont'd)

27787 NEVAREZ, OLGA
27793 LARSON, GLEN
27799 TEWKSBURY, SHEILA A
27803 APEL, MERLIN
27811 BANKS, WILLIAM R
27817 MOSIER, MARIE M
27823 ROELFS, DAYNA M
27839 RICHARDSON, JOHN W
27847 VICEK, ANTOINETTE V
27855 LEE, CHAN J
27871 COVARRUBIAS, JUAN
27887 BURGARD, JOANNE E
27903 MCCRIGHT, STEVEN R
27913 LECHUGA, MYRNA
27919 ERSKIN, GARY
27929 WEAKLEY, HOWARD G
27939 OCCUPANT UNKNOWN,
27951 RANGEL, FRANCISCO A
27963 SHULL, CYNTHIA R
27975 THOMPSON, DIANNA
28181 BARRILLARO, ANNE C

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

DAWSON RD 2005

24120 GROOVER, KENNETH R
24829 DUNLAP, RUBYE L
26375 CHAMBERLAIN, KARLAN A
26395 SLACK STACY
STACY SLACKS PHOTO & FRAMING
SUN CITY R V & BOAT STORAGE
VERDIN, MONICA
26450 RUBALCAVA, JULIAN
26511 MASSIMO, VINCE
26520 FRENCH, GENE
26630 GOMEZ, LISA
26645 BATES, BEN H
26658 GREEN, SAMUEL V
26851 PUENTES, JOHN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ETHANAC RD 2005

26481	RUIZ, ROBERTO
27271	PARADISE POOLS & SPAS
27381	BURNS, CHRISTINE
27391	ARCOS, CELESTINO
27411	CHANEYS CERTIFIED GENERAL AUTO REPAI
27471	JACKSON SERVICES
	JACKSON TIRE
	OCCUPANT UNKNOWN,
27531	QUICK COVERS
	RUBEN GONZALEZ
27546	ANTUNA, LUIS A
27555	GODINA, ALEJO
27556	BLACKWOOD, GEORGE F
27575	JONES, RAYMOND F
27606	OCCUPANT UNKNOWN,
27614	OCCUPANT UNKNOWN,
27625	TUTTLE, ROY E
27636	DZIEDZICKIE, TONY J
27686	EUBANKS, LEE E
27765	CONNORS, MICHAEL
27789	COWL, DAVID F
	CUSTOM STORAGE SHEDS
	KONTRACT INTERIORS
	R C CUSTOM SHEDS
27793	OCCUPANT UNKNOWN,
27805	FLAKE, HARVEY A
27812	HOUCHIN, DONALD W
27861	TRAVELERS REST INC
27912	JARAMILLO, MISAEL
27915	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

MCLAUGHLIN RD 2005

25631 HAYES, DENNIS W
25687 SKINNER, MELANIE
25705 ESTRADA, ARMANDO
25735 PEREZ, ERNEST R
25775 OCHOA, FRANK
25805 PATTON, JOSEPH F
25835 MESSENGER, JAMES E
25865 HUNTER, GARRY J
26139 BENT, CHARLES A
26153 CAPLAN, DONNA
26175 WEIRICK, JOHN O
26203 FRANKS, BILL G
26229 OCCUPANT UNKNOWN,
26241 PLASCENCIA, ARTURO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2000

24385	DENZ, ARTHUR
24501	BADON, DALE
	GARCIA, HILDA A
	MUNOZ, INOCENC
	NUNEZ, JOSE L
24710	OCCUPANT UNKNOWN,
24950	HOHN, CHARLES
25010	MOTTE & SONS RANCH
25090	OCCUPANT UNKNOWN,
25150	JONES, RICHARD
25200	HASELWOOD, HERBERT
25240	OCCUPANT UNKNOWN,
25245	OCCUPANT UNKNOWN,
25260	ELLER, PETE
	NECOCHEA, BILLY
25280	ELLER, JAY
25285	WARNING, ROBERT
25292	HINCKLEY, M
25295	WOOLDRIDGE, JIM
25305	OCCUPANT UNKNOWN,
25420	NECOCHEA, G R
25442	HUFFMAN, ELMER C
25480	RED, M J
25486	HARTSE, S
25490	OCCUPANT UNKNOWN,
25496	COOK, COLLEEN M
25557	OCCUPANT UNKNOWN,
25600	CURIEL, HECTOR
25626	MORALES, OSCAR
25630	OCCUPANT UNKNOWN,
25639	WALSH, HAROLD W
25646	RHODES, DONN
25650	OCCUPANT UNKNOWN,
25670	OCCUPANT UNKNOWN,
25748	OCCUPANT UNKNOWN,
25754	AGUILA, MIGUEL
	GARCIA, G
	GARCIABIRRUETE, RAUL
	SANCHEZ, HILDA
25755	BERNATINE, DAVID
25764	HERNANDEZ, LEONCIO
25766	CASTRO, S
25801	OCCUPANT UNKNOWN,
25889	CHAVEZ, RAFAEL
25890	ROMOLAND HEAD START
27895	FULLER, V
27903	BELTRAN, N L
	MCCRIGHT, RONALD
27913	BLACKBURN, C
27919	BROWN, STEVEN H

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 2000 (Cont'd)

27929 LLOYD, LISA L
27939 WILSON, LEW
27951 RANGEL, GERADO
27963 SHULL, CYNTHIA R
27975 SAENZ, MARIA I
27978 DIAZ, C
28181 BARILLARO, ALFRED

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

DAWSON RD 2000

26375 CHAMBERLAIN, KARLAN
26395 SLACK, STACY
26450 CHAVEZ, JOSE
26511 MASSIMO, VINCE
26520 FRENCH, GENE
26630 THAYER, P
26645 OCCUPANT UNKNOWN,
26851 KEMP, GLEN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ETHANAC RD 2000

27271 FAMILY AUTO CENTER
KOHLHAUER JIM FAMILY AUTO CENTER
27411 CHANEYS CERTIFIED AUTO REPAIR
27471 LEE PHILLIPS TIRE SALES
27546 ANTUNA, LUIS A
27555 GODINA, ALEJO
27556 BLACKWOOD, GEORGE F
27606 OCCUPANT UNKNOWN,
27625 TUTTLE, ROY
27636 DZIEDZICKIE, TONY
27686 EUBANKS, LEE
27789 BROWN, M G
TURNING POINT CHRISTIAN CENTER
27793 YOUNG, CLYDE
27861 EVANS, ROBERT
27912 OCCUPANT UNKNOWN,
27915 CERVANTES, JOSE D

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

MCLAUGHLIN RD 2000

25631 ARREDONDO, CYRISE
26139 BUSSEY, CHARLES
26153 CAPLAN, DONNA
26175 WEIRICK, JOHN O
26203 FRANKS, WILLIAM F

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 1995

24501	SCHVANEVELDT QUARTERHORSE RNCH
24710	MERCADO, JOSEPH
	SOUTHERN CALIFORNIA CONSTR
24950	OCCUPANT UNKNOWNN
25010	MOTTE & SONS RANCH
25240	FROSCHAUER, ALLEN N
25245	WILSON, BARRY D
25260	OCCUPANT UNKNOWNN
25275	CONANT, CONANT
25280	ELLER, JAY S
25285	WARNING, ROBERT C
25295	WOOLDRIDGE, JAMES W
25305	WARREN, DAVID
25420	NECOCHEA, G R
25442	HUFFMAN, ELMER C
25486	RED, JOSEPH A
25490	HEFLEY, STEVEN L
25496	OCCUPANT UNKNOWNN
25630	GOMEZ, CIRILO
25646	RHODES, DONN
25650	PIPKIN, CORA
25748	OCCUPANT UNKNOWNN
25754	KEARNS, HARLEY D
25755	BERNATINE, DAVID
25766	OCCUPANT UNKNOWNN
25890	ROMOLAND ELEMENTARY SCHOOL
	ROMOLAND HEAD START
27839	RICHARDSON, JOHN W
27847	FOWLER, DAVID S
27855	LEE, CHANJU
27863	OCCUPANT UNKNOWNN
27887	BURGARD, JOANNE E
27895	FULLER, V
27903	BELTRAN, N L
	MCCRIGHT, RONALD
27913	OCCUPANT UNKNOWNN
27919	OCCUPANT UNKNOWNN
27929	WHITE, CHARLES S
27951	RANGEL, GERARDO M
27963	SHULL, CYNTHIA R
27975	PLASCENCIA, ARTURO
28181	BARILLARO, ALFRED

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

DAWSON RD 1995

26511 MASSIMO, VINCE
26520 FRENCH, GENE
26851 DANKO, JOHN
26871 THOMPSON, KATHRYN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ETHANAC RD 1995

27271 TOPTECH AUTOMOTIVE
27381 PIONEER PLASTERING INC
27411 CHANEYS CERTIFIED AUTO REPAIR
27477 LEE PHILLIPS TIRE SALES
27606 OCCUPANT UNKNOWNN
27614 JONES, DONALD
27625 TUTTLE, ROY
27636 DZIEDZICKIE, TONY
27686 EUBANKS, LEE
27765 ERICKSON, JOLITA

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

MCLAUGHLIN RD 1995

25631 HAYES, DENNIS
25687 HICKEY, SUSAN
25705 HELTER, JODY J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ANTELOPE RD 1992

24501 SCHVANEVELDT QTRHRS
24710 SOUTHRN CA CONSTR
25010 MOTTE&SONS RANCH
25275 CREATIVE CABINETS
25890 ROMOLAND ELEM SC
ROMOLAND SC DIST
27781 OWENS, D
27823 C L BUILDERS
28181 BARILLARO, ALFRED

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

DAWSON RD 1992

26511 MASSIMO, VINCE
26520 FRENCH, GENE
26871 THOMPSON, KATHRYN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ETHANAC RD 1992

27271 RELIABLE TIRE&SERV
27381 SHAVER, CURTIS A
27411 CHANEYS AUTO REPAIR
27477 LEE PHILLIPS TIRE

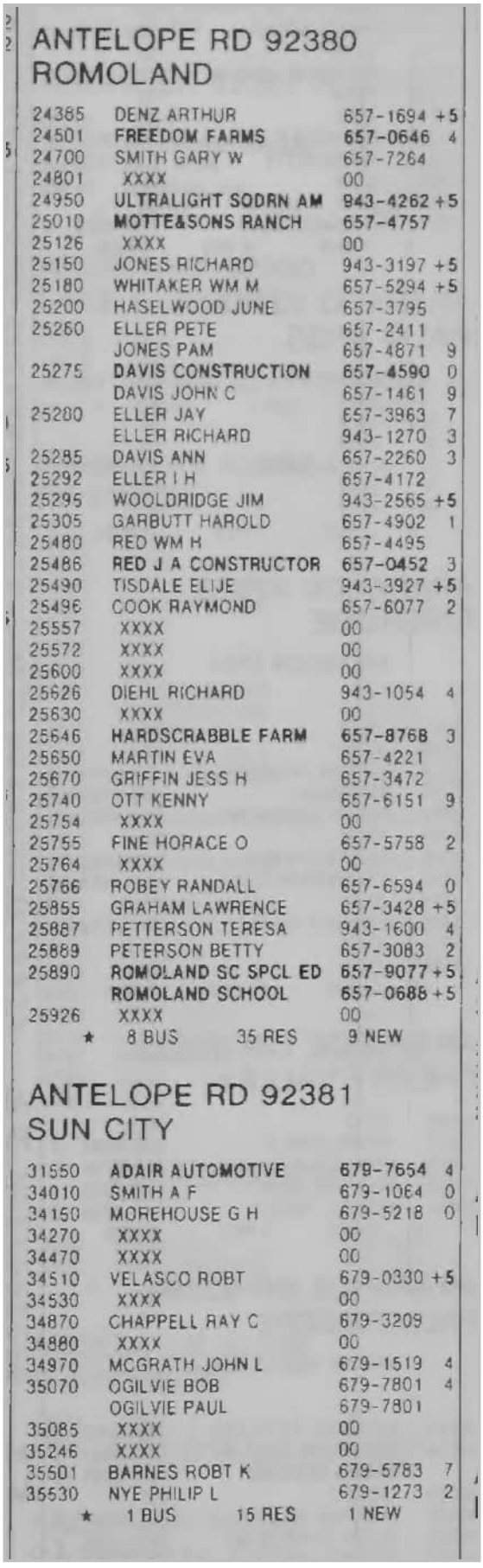
Target Street	Cross Street	Source
-	✓	EDR Digital Archive

MCLAUGHLIN RD 1992

25631 HAYES, DENNIS
26241 OCHOA, JESUS
PLASCENCIA, OLIVIA

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ANTELOPE RD 1985



ANTELOPE RD 92380
ROMOLAND

24385	DENZ ARTHUR	657-1694	+5
24501	**FREEDOM FARMS**	**657-0646**	4
24700	SMITH GARY W	657-7264	
24801	XXXX	00	
24950	**ULTRALIGHT SODRN AM**	**943-4262**	+5
25010	**MOTTE&SONS RANCH**	**657-4757**	
25126	XXXX	00	
25150	JONES RICHARD	943-3197	+5
25180	WHITAKER WM M	657-5294	+5
25200	HASELWOOD JUNE	657-3795	
25260	ELLER PETE	657-2411	
	JONES PAM	657-4871	9
25275	**DAVIS CONSTRUCTION**	**657-4590**	0
	DAVIS JOHN C	657-1461	9
25280	ELLER JAY	657-3963	7
	ELLER RICHARD	943-1270	3
25285	DAVIS ANN	657-2260	3
25292	ELLER I H	657-4172	
25295	WOOLDRIDGE JIM	943-2565	+5
25305	GARBUTT HAROLD	657-4902	1
25480	RED WM H	657-4495	
25486	**RED J A CONSTRUCTOR**	**657-0452**	3
25490	TISDALE ELIJE	943-3927	+5
25496	COOK RAYMOND	657-6077	2
25557	XXXX	00	
25572	XXXX	00	
25600	XXXX	00	
25626	DIEHL RICHARD	943-1054	4
25630	XXXX	00	
25646	**HARDSCRABBLE FARM**	**657-8768**	3
25650	MARTIN EVA	657-4221	
25670	GRIFFIN JESS H	657-3472	
25740	OTT KENNY	657-6151	9
25754	XXXX	00	
25755	FINE HORACE O	657-5758	2
25764	XXXX	00	
25766	ROBEY RANDALL	657-6594	0
25855	GRAHAM LAWRENCE	657-3428	+5
25887	PETTERSON TERESA	943-1600	4
25889	PETERSON BETTY	657-3083	2
25890	**ROMOLAND SC SPCL ED**	**657-9077**	+5
	ROMOLAND SCHOOL	**657-0685**	+5
25926	XXXX	00	

★ 8 BUS 35 RES 9 NEW

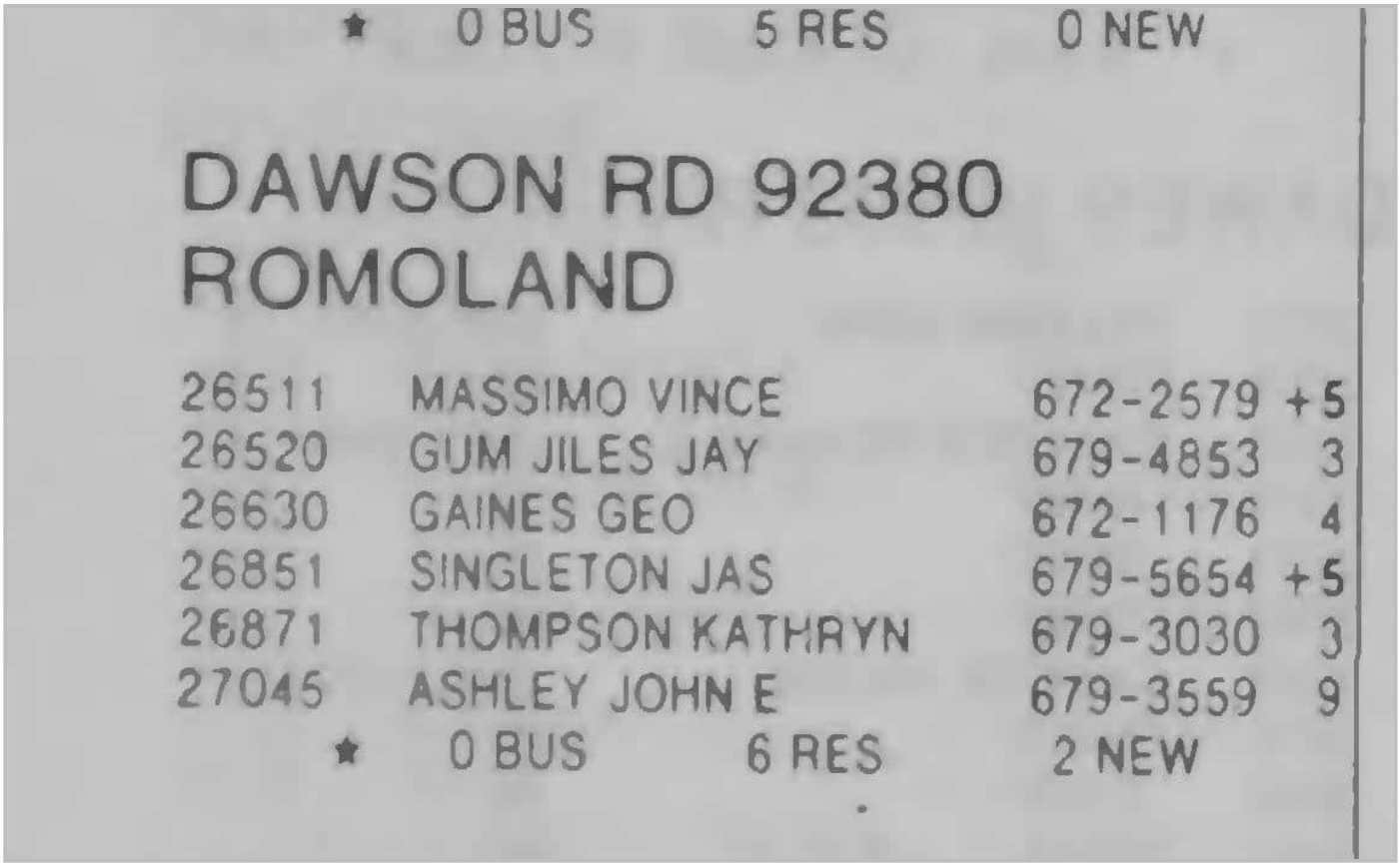
ANTELOPE RD 92381
SUN CITY

31550	**ADAIR AUTOMOTIVE**	**679-7654**	4
34010	SMITH A F	679-1064	0
34150	MOREHOUSE G H	679-5218	0
34270	XXXX	00	
34470	XXXX	00	
34510	VELASCO ROBT	679-0330	+5
34530	XXXX	00	
34870	CHAPPELL RAY C	679-3209	
34880	XXXX	00	
34970	MCGRATH JOHN L	679-1519	4
35070	OGILVIE BOB	679-7801	4
	OGILVIE PAUL	679-7801	
35085	XXXX	00	
35246	XXXX	00	
35501	BARNES ROBT K	679-5783	7
35530	NYE PHILIP L	679-1273	2

★ 1 BUS 15 RES 1 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

DAWSON RD 1985



★ 0 BUS 5 RES 0 NEW

DAWSON RD 92380
ROMOLAND

26511	MASSIMO VINCE	672-2579	+5
26520	GUM JILES JAY	679-4853	3
26630	GAINES GEO	672-1176	4
26851	SINGLETON JAS	679-5654	+5
26871	THOMPSON KATHRYN	679-3030	3
27045	ASHLEY JOHN E	679-3559	9

★ 0 BUS 6 RES 2 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

ETHANAC RD 1985

ETHANAC RD 92380
ROMOLAND

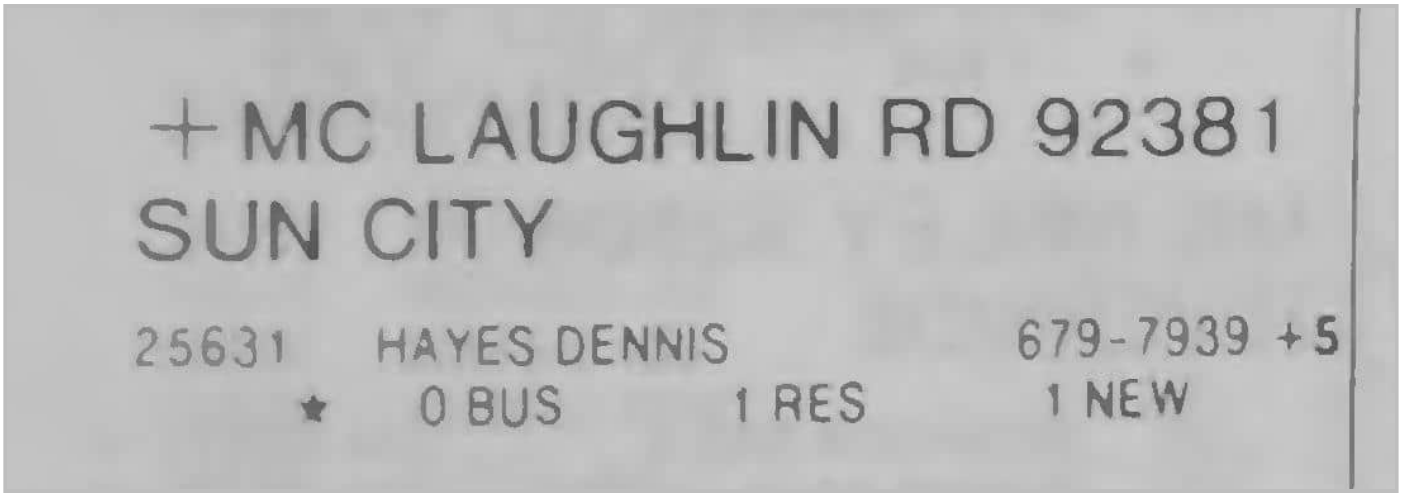
RURAL ROUTE 1

25160	RODEFFER INVSTMNTS	657-1755 +5
	RODEFFER WHOLESALE	657-1881 2
25245	XXXX	00
27271	XXXX	00
27278	BYRNS ROBT	657-5384
27351	XXXX	00
27364	XXXX	00
27391	XXXX	00
27411	CHANEYS GN AUTO RPR	657-3466 8
27471	LEE PHILLIPS TIRE	657-0425 +5
27512	XXXX	00
27516	XXXX	00
27524	XXXX	00
27531	XXXX	00
27536	LOEFFLER ED	657-2646 +5
27546	DEWITT FLOYD F	657-6051 9
27556	XXXX	00
27606	BLACKWELL G H	657-1046 0
27614	XXXX	00
27625	TUTTLE ROY	657-4181
27636	BIERWORTH CHAS	657-9457 3
27686	EUBANKS LEE	657-4920 1
27765	XXXX	00
27789	ROUSSELL J A REV	657-6736 2
27812	XXXX	00
27861	XXXX	00
27912	WILLIAMS P	657-2471
27995	SHAFFER J D	657-5039 8

★ 4 BUS 24 RES 3 NEW

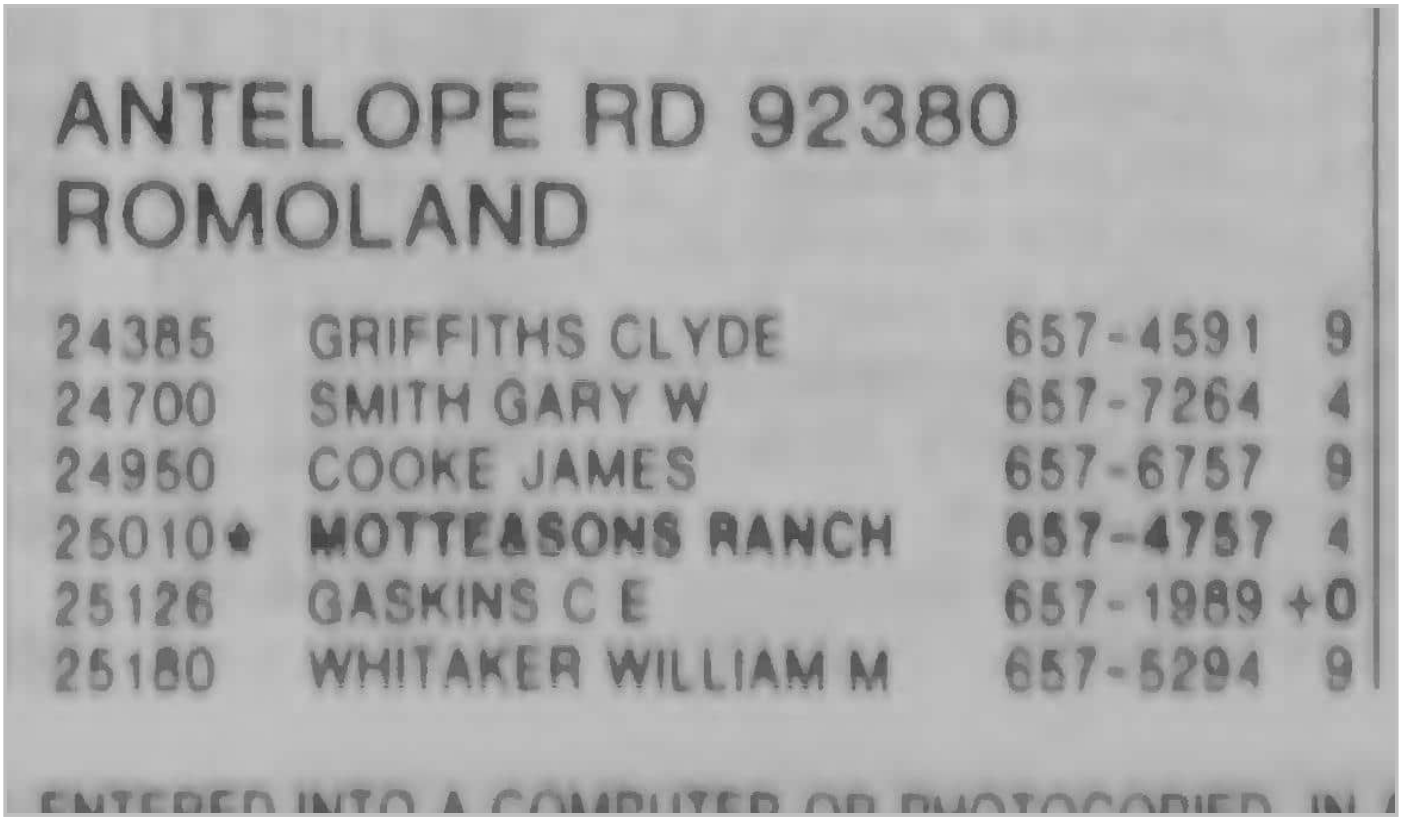
Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

MCLAUGHLIN RD 1985



Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ANTELOPE RD 1980



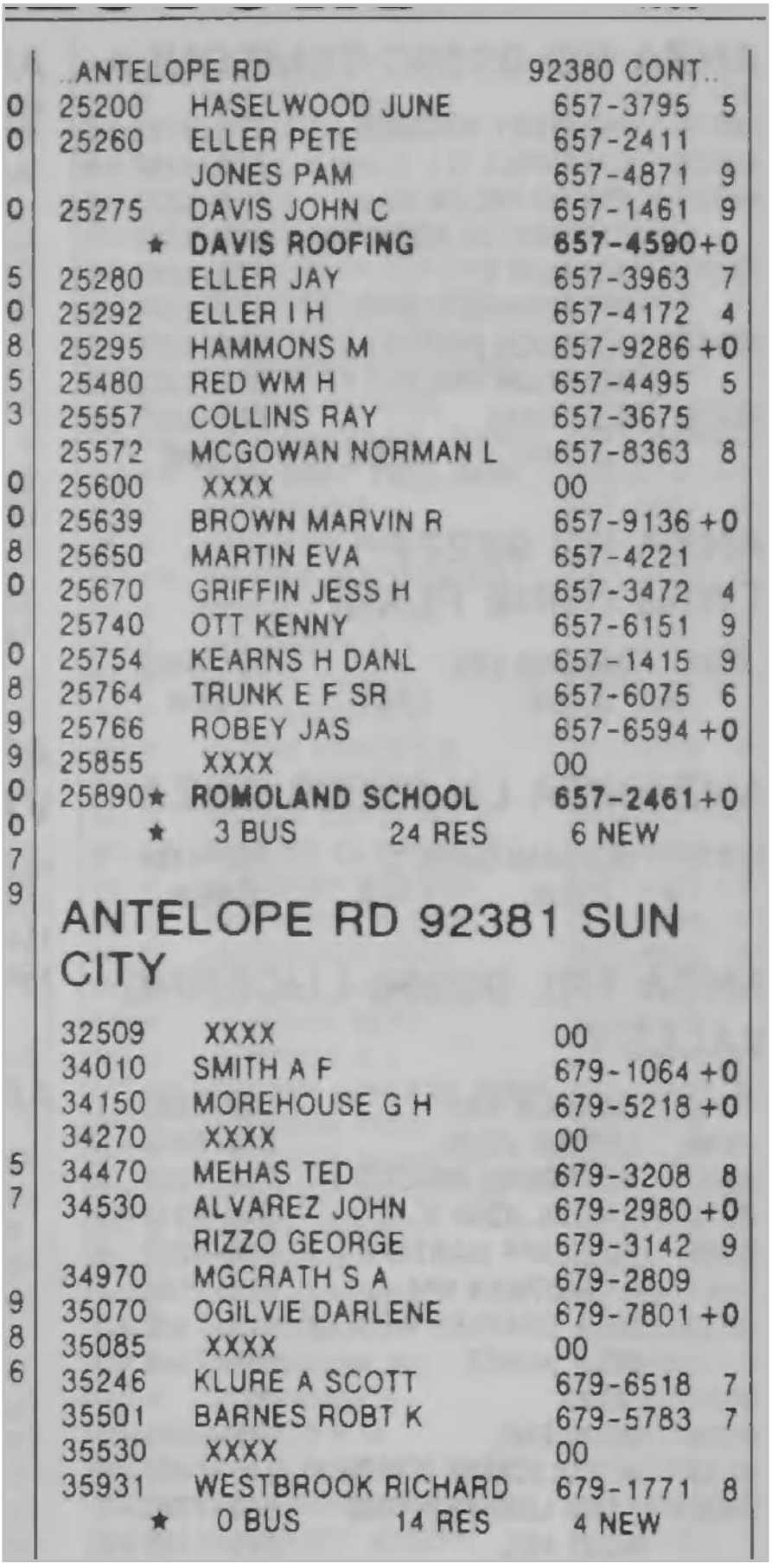
ANTELOPE RD 92380
ROMOLAND

24385	GRIFFITHS CLYDE	657-4591	9
24700	SMITH GARY W	657-7264	4
24950	COOKE JAMES	657-6757	9
25010 ●	MOTTEASONS RANCH	657-4757	4
25126	GASKINS C E	657-1989	+0
25180	WHITAKER WILLIAM M	657-5294	9

ENTERED INTO A COMPUTER OR PHOTOCOPIED IN

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ANTELOPE RD 1980



..ANTELOPE RD 92380 CONT..

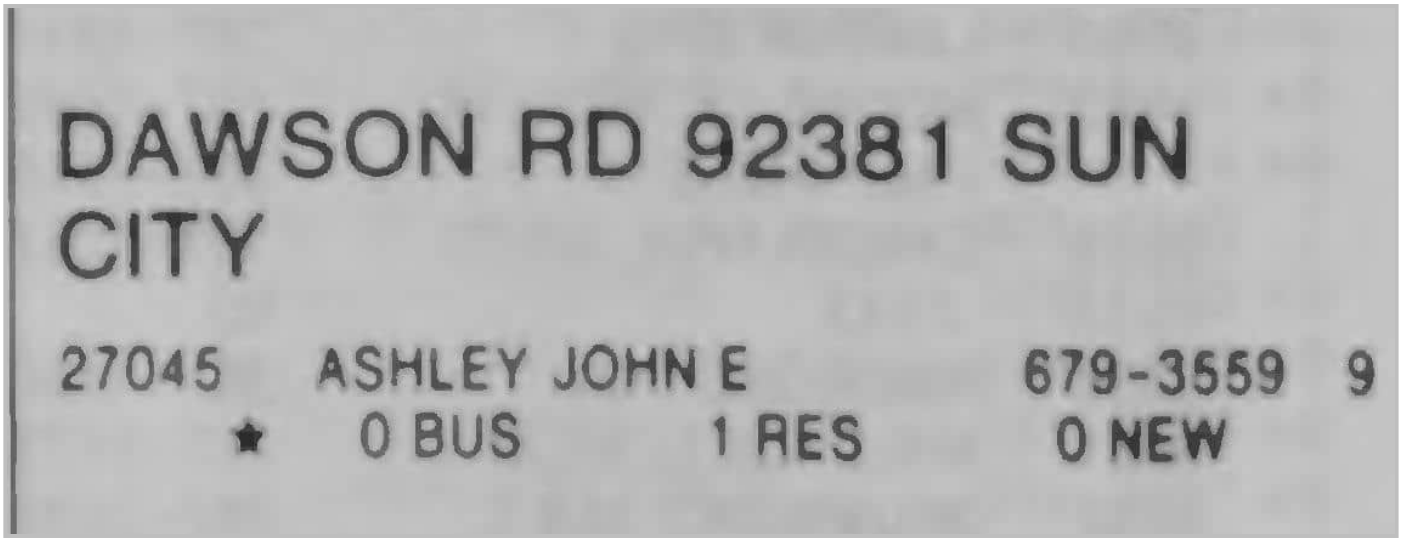
0	25200	HASELWOOD JUNE	657-3795	5
0	25260	ELLER PETE	657-2411	
		JONES PAM	657-4871	9
0	25275	DAVIS JOHN C	657-1461	9
	★	**DAVIS ROOFING**	**657-4590**	**+0**
5	25280	ELLER JAY	657-3963	7
0	25292	ELLER I H	657-4172	4
8	25295	HAMMONS M	657-9286	+0
5	25480	RED WM H	657-4495	5
3	25557	COLLINS RAY	657-3675	
	25572	MCGOWAN NORMAN L	657-8363	8
0	25600	XXXX	00	
0	25639	BROWN MARVIN R	657-9136	+0
8	25650	MARTIN EVA	657-4221	
0	25670	GRIFFIN JESS H	657-3472	4
	25740	OTT KENNY	657-6151	9
0	25754	KEARNS H DANL	657-1415	9
8	25764	TRUNK E F SR	657-6075	6
9	25766	ROBEY JAS	657-6594	+0
9	25855	XXXX	00	
0	25890★	**ROMOLAND SCHOOL**	**657-2461**	**+0**
0	★	3 BUS 24 RES	6 NEW	
7				
9				

ANTELOPE RD 92381 SUN CITY

	32509	XXXX	00	
	34010	SMITH A F	679-1064	+0
	34150	MOREHOUSE G H	679-5218	+0
	34270	XXXX	00	
5	34470	MEHAS TED	679-3208	8
7	34530	ALVAREZ JOHN	679-2980	+0
		RIZZO GEORGE	679-3142	9
	34970	MGCRATH S A	679-2809	
9	35070	OGILVIE DARLENE	679-7801	+0
8	35085	XXXX	00	
6	35246	KLURE A SCOTT	679-6518	7
	35501	BARNES ROBT K	679-5783	7
	35530	XXXX	00	
	35931	WESTBROOK RICHARD	679-1771	8
	★	0 BUS 14 RES	4 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

DAWSON RD 1980



Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

ETHANAC RD 1980



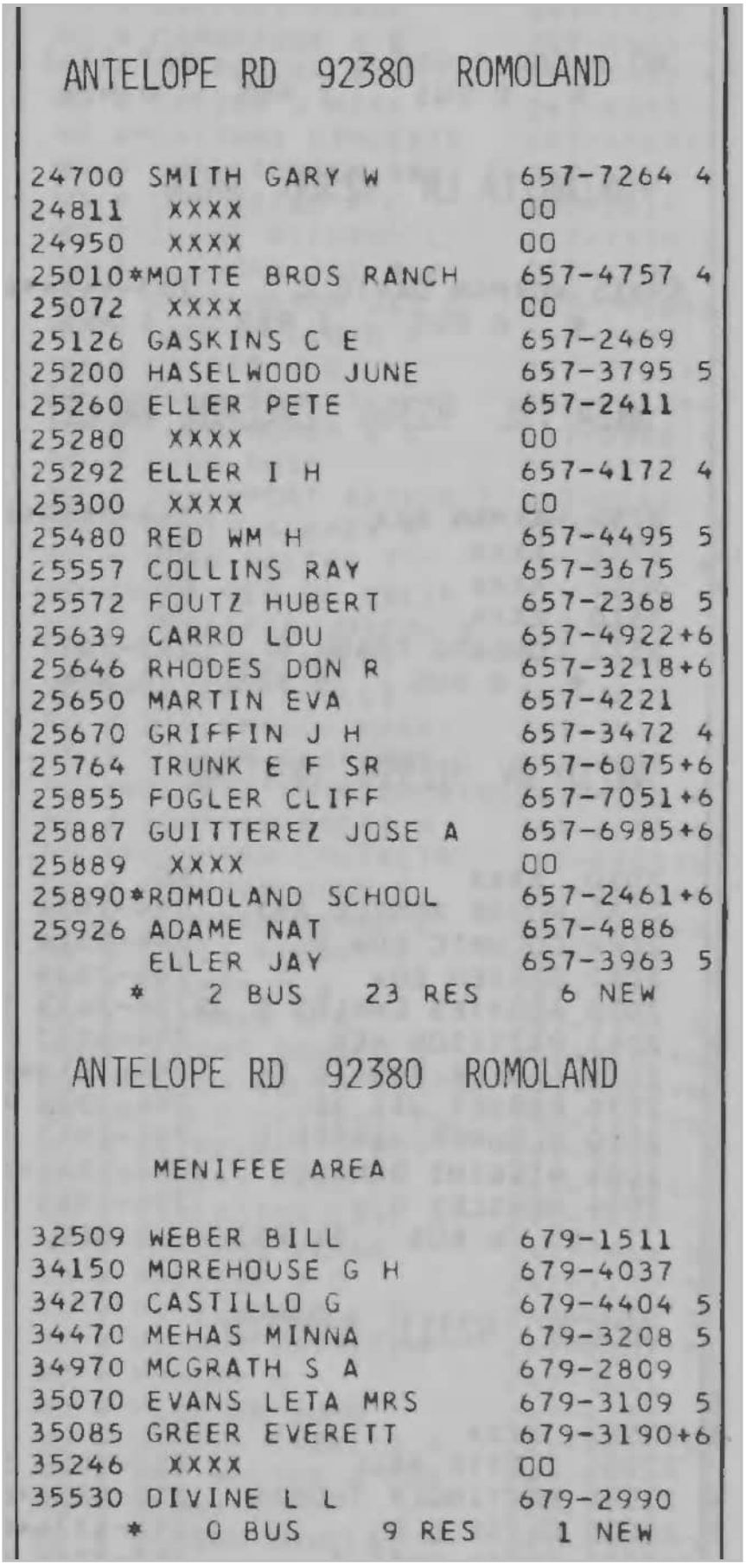
ETHANAC RD 92380
ROMOLAND

RURAL ROUTE 1

25245	LYDON JEAN	657-8340	9
27271★	**SUN CITY TIRE REPR**	**657-2183**	8
★	**WHOLESALE TIRE SPLY**	**657-1113**	+0
27278	BYRNS ROBT	657-5384	5
27364	XXXX	00	
27391	JONES OLICE E REV	657-3549	
27411★	**CHANEYS GN AUTO RPR**	**657-3466**	8
	OWEN FLOYD P	657-4451	8
27471★	**BERTS AUTO REPAIR**	**657-8032**	+0
★	**ECOLOGY TIRE SERV**	**657-8032**	+0
★	**PHILLIPS L EXXON**	**657-8032**	+0
27512	SPICHER S	657-9639	+0
27516	BLAIR EVELYN	657-4977	
27524	NUNEZ JOE JR	657-1382	+0
27531	XXXX	00	
27546	DEWITT FLOYD F	657-6051	9
27556	BLACKWOOD GEO F	657-7142	6
27606	BLACKWELL G H	657-1046	+0
27625	TUTTLE ROY	657-4181	
27765★	**BOBS BODY SHOP**	**657-5536**	8
	SEWARD MICKEY	657-6666	9
27789	PAYNE R M	657-6736	6
27812	XXXX	00	
27861	XXXX	00	
27912	WILLIAMS P	657-2471	
27995	SHAFFER J D	657-5039	8
★	7 BUS 19 RES	7 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ANTELOPE RD 1976



ANTELOPE RD 92380 ROMOLAND

24700	SMITH GARY W	657-7264 4
24811	XXXX	OO
24950	XXXX	OO
25010*	MOTTE BROS RANCH	657-4757 4
25072	XXXX	OO
25126	GASKINS C E	657-2469
25200	HASELWOOD JUNE	657-3795 5
25260	ELLER PETE	657-2411
25280	XXXX	OO
25292	ELLER I H	657-4172 4
25300	XXXX	OO
25480	RED WM H	657-4495 5
25557	COLLINS RAY	657-3675
25572	FOUTZ HUBERT	657-2368 5
25639	CARRO LOU	657-4922+6
25646	RHODES DON R	657-3218+6
25650	MARTIN EVA	657-4221
25670	GRIFFIN J H	657-3472 4
25764	TRUNK E F SR	657-6075+6
25855	FOGLER CLIFF	657-7051+6
25887	GUITTEREZ JOSE A	657-6985+6
25889	XXXX	OO
25890*	ROMOLAND SCHOOL	657-2461+6
25926	ADAME NAT	657-4886
	ELLER JAY	657-3963 5

* 2 BUS 23 RES 6 NEW

ANTELOPE RD 92380 ROMOLAND

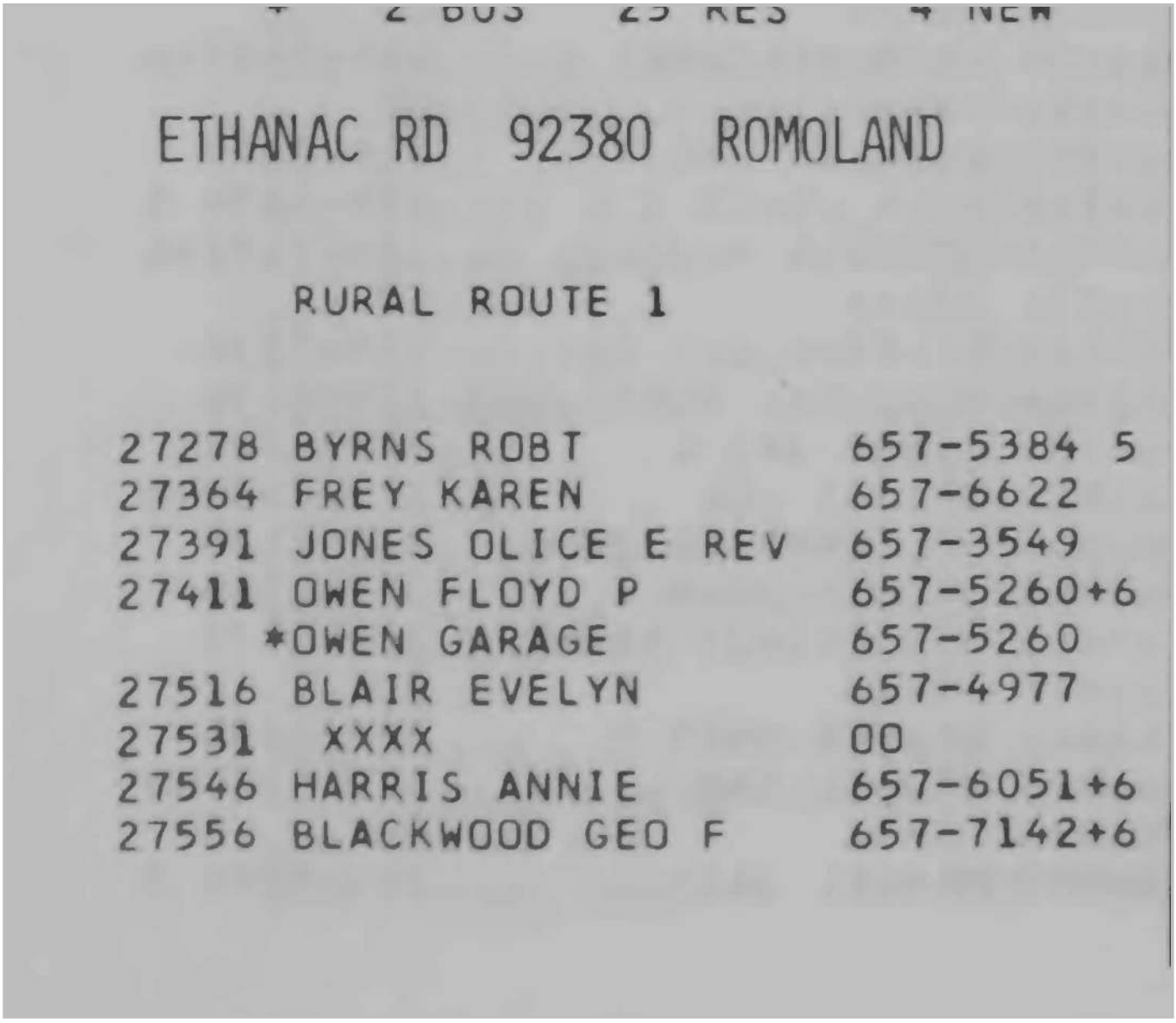
MENIFEE AREA

32509	WEBER BILL	679-1511
34150	MOREHOUSE G H	679-4037
34270	CASTILLO G	679-4404 5
34470	MEHAS MINNA	679-3208 5
34970	MCGRATH S A	679-2809
35070	EVANS LETA MRS	679-3109 5
35085	GREER EVERETT	679-3190+6
35246	XXXX	OO
35530	DIVINE L L	679-2990

* 0 BUS 9 RES 1 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

ETHANAC RD 1976



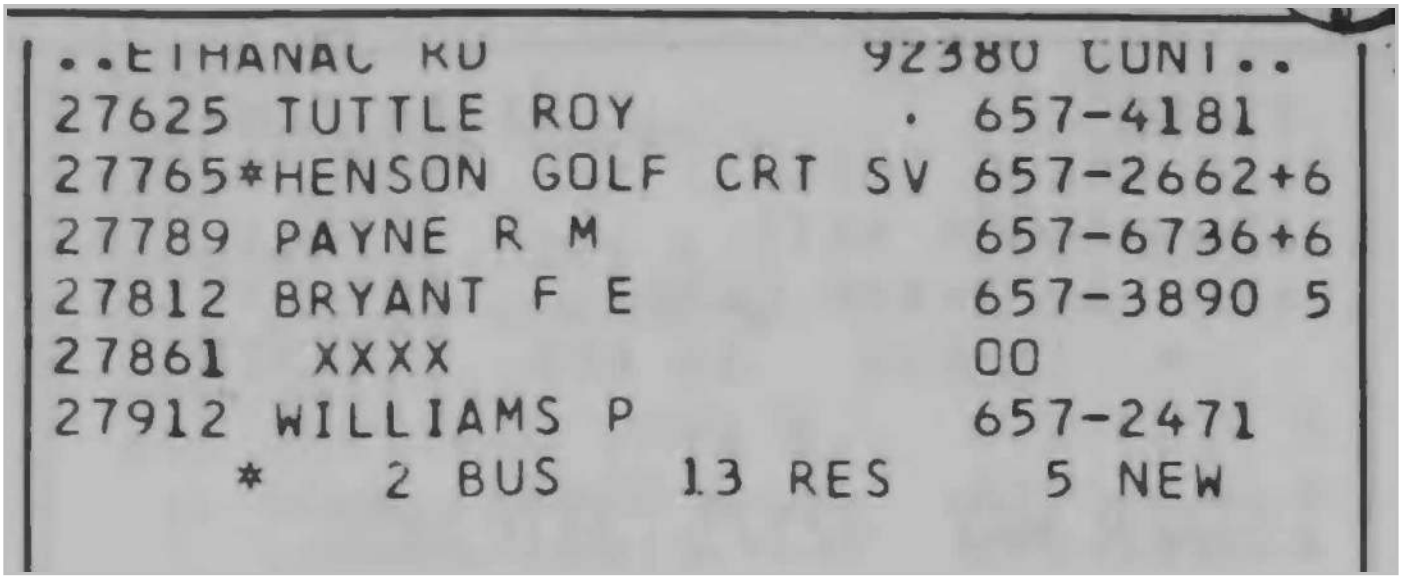
ETHANAC RD 92380 ROMOLAND

RURAL ROUTE 1

27278	BYRNS ROBT	657-5384 5
27364	FREY KAREN	657-6622
27391	JONES OLICE E REV	657-3549
27411	OWEN FLOYD P	657-5260+6
	*OWEN GARAGE	657-5260
27516	BLAIR EVELYN	657-4977
27531	XXXX	OO
27546	HARRIS ANNIE	657-6051+6
27556	BLACKWOOD GEO F	657-7142+6

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

ETHANAC RD 1976



..ETHANAC RD 92380 CONT..
27625 TUTTLE ROY . 657-4181
27765*HENSON GOLF CRT SV 657-2662+6
27789 PAYNE R M 657-6736+6
27812 BRYANT F E 657-3890 5
27861 XXXX 00
27912 WILLIAMS P 657-2471
* 2 BUS 13 RES 5 NEW

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1901 Source Sheets



Elsinore
1901
30-minute, 125000

1942 Source Sheets



Perris
1942
15-minute, 62500
Aerial Photo Revised 1939



Murrieta
1942
15-minute, 62500
Aerial Photo Revised 1939

1943 Source Sheets



PERRIS
1943
15-minute, 62500



Murrieta
1943
15-minute, 62500
Aerial Photo Revised 1939

1947 Source Sheets

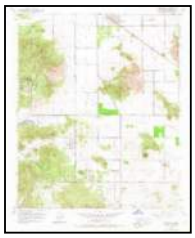


MURRIETA
1947
15-minute, 50000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1953 Source Sheets



Romoland
1953
7.5-minute, 24000
Aerial Photo Revised 1951



Perris
1953
7.5-minute, 24000
Aerial Photo Revised 1951

1973 Source Sheets



Romoland
1973
7.5-minute, 24000
Aerial Photo Revised 1973



Perris
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1979 Source Sheets



Romoland
1979
7.5-minute, 24000
Aerial Photo Revised 1976



Perris
1979
7.5-minute, 24000
Aerial Photo Revised 1978

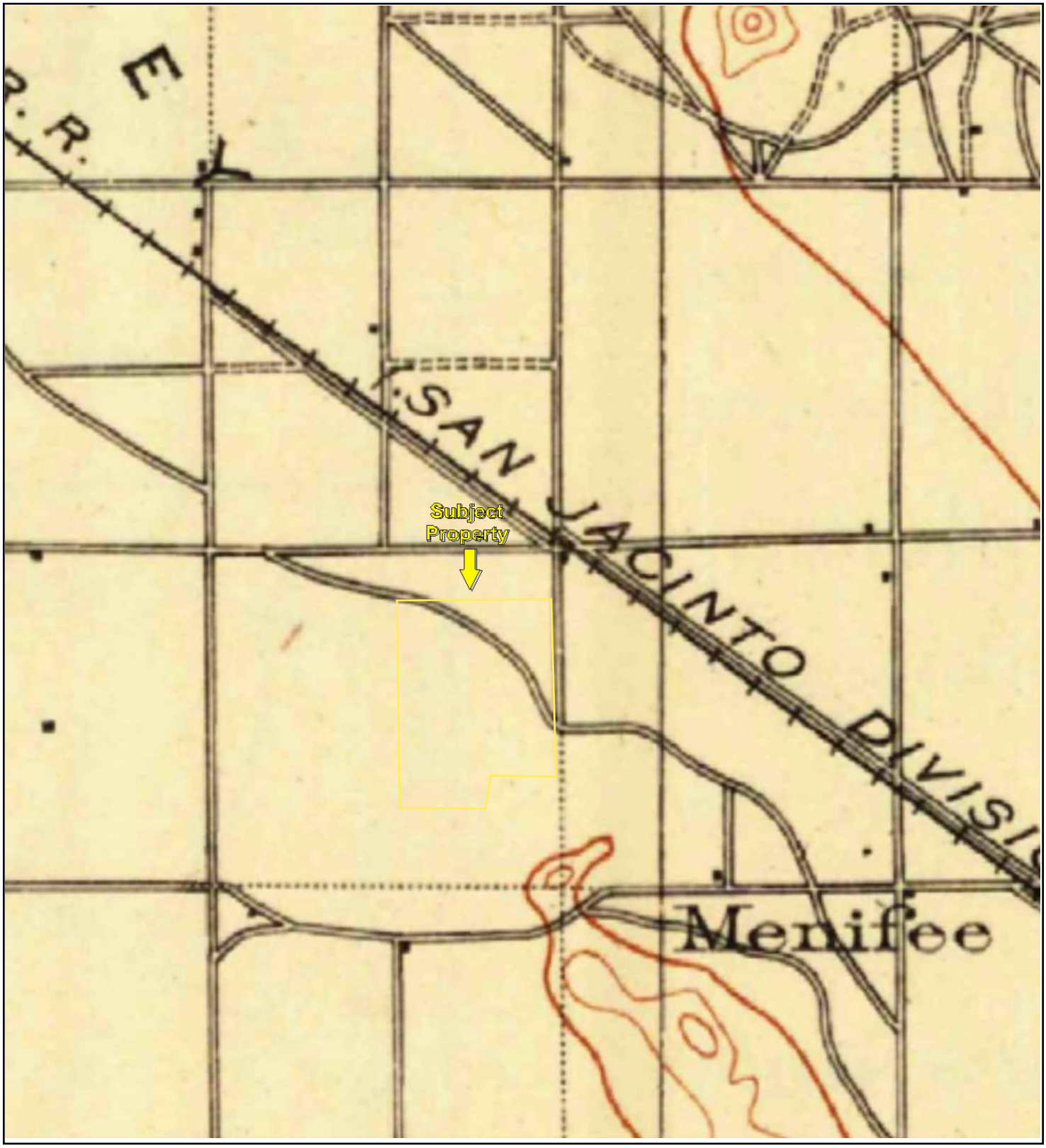
2012 Source Sheets



Romoland
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7.5-minute, 24000



Perris
2012
7.5-minute, 24000

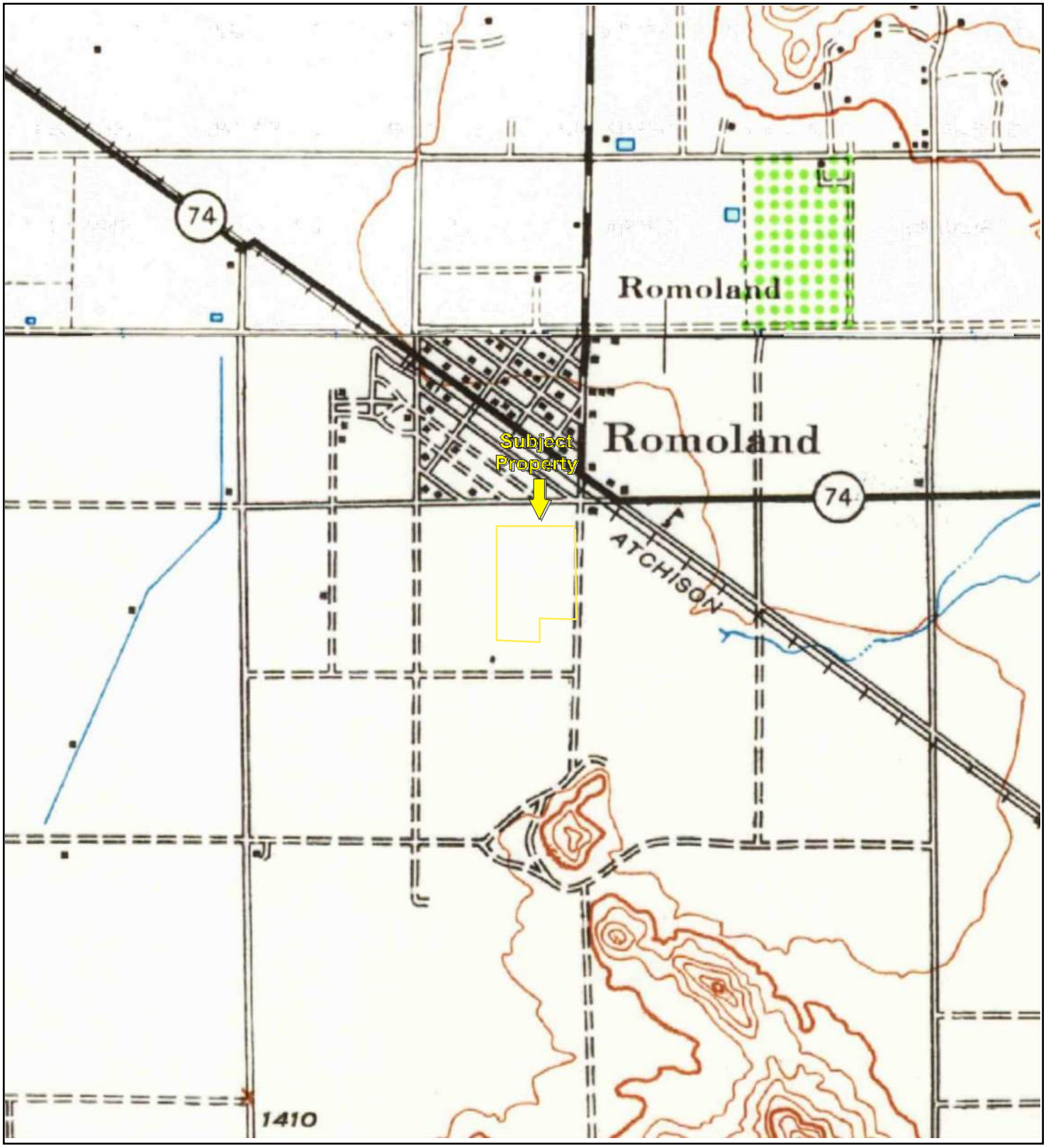


TP, Elsinore, 1901, 30-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

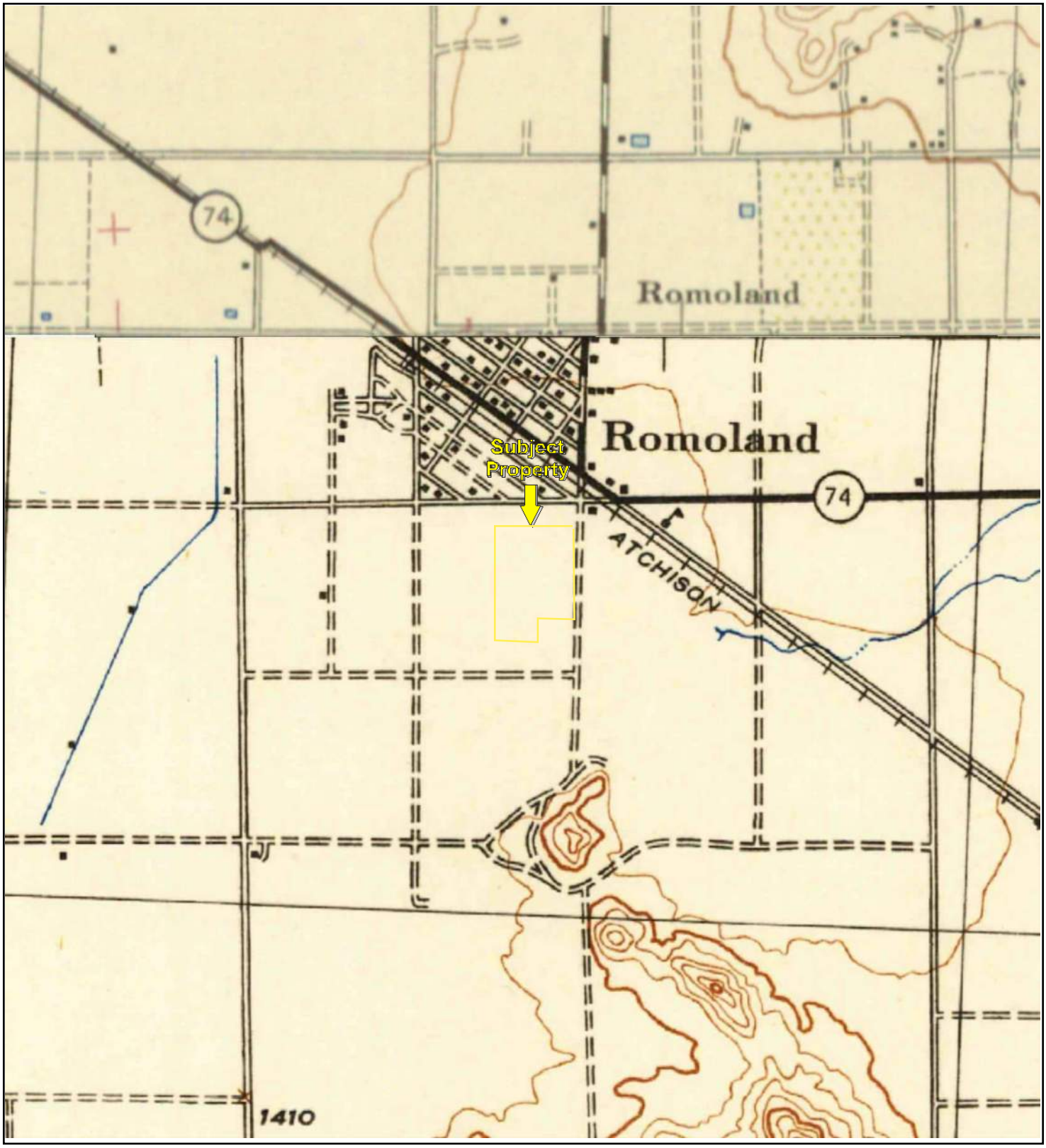


TP, Murrieta, 1942, 15-minute
N, Perris, 1942, 15-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



TP, Murrieta, 1943, 15-minute
N, PERRIS, 1943, 15-minute

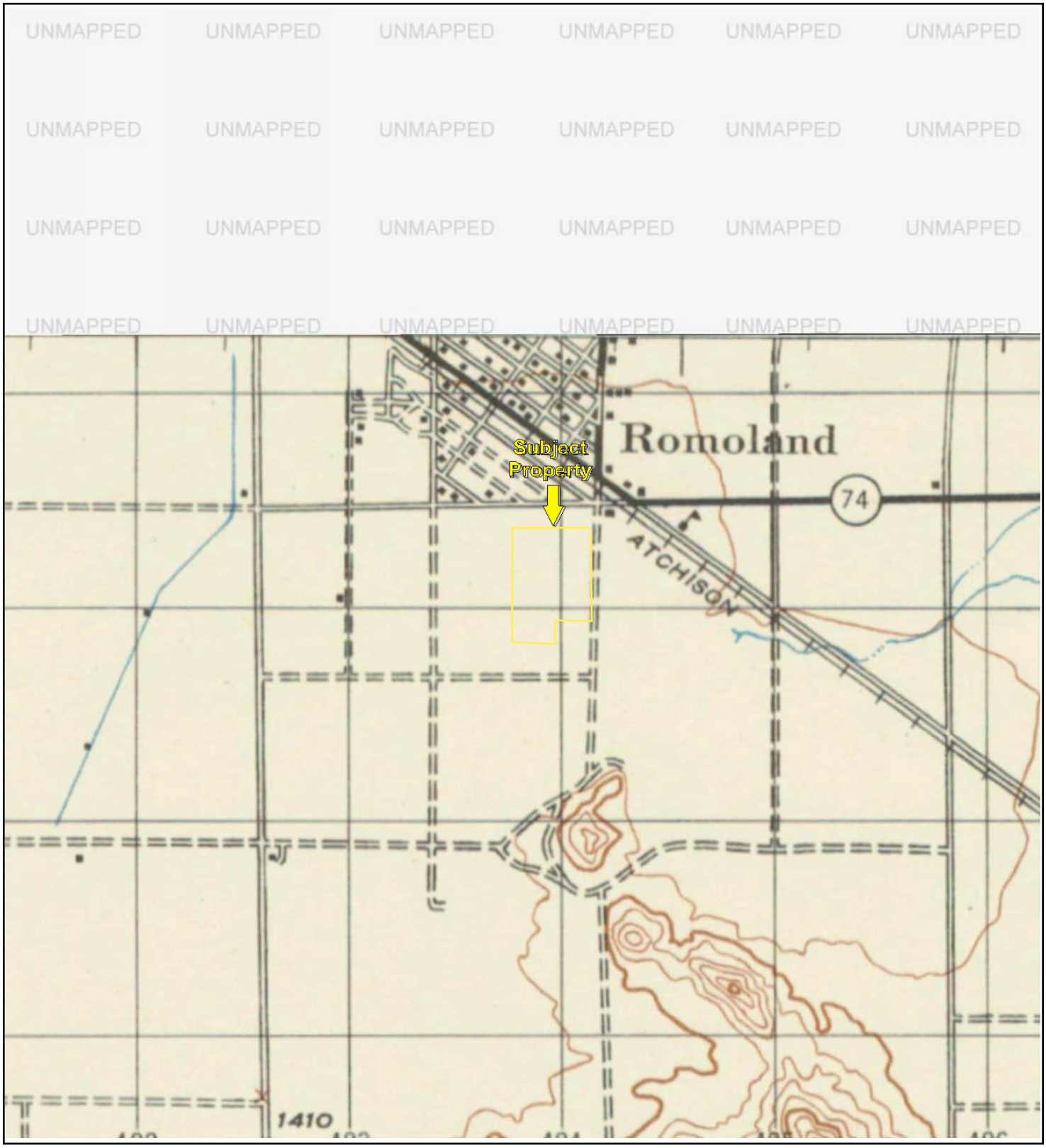
0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-308686.1

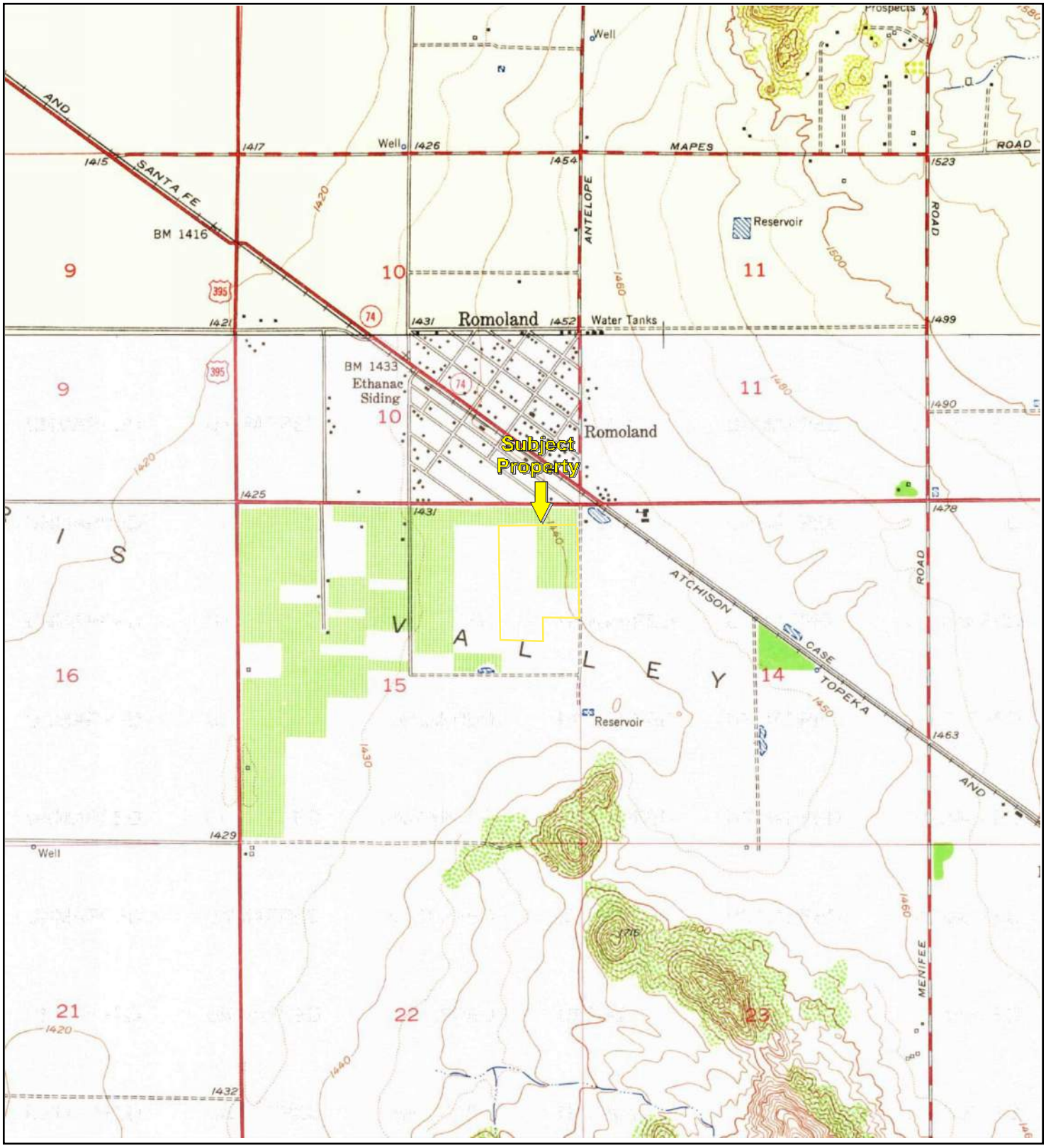


TP, MURRIETA, 1947, 15-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



TP, Romoland, 1953, 7.5-minute
N, Perris, 1953, 7.5-minute

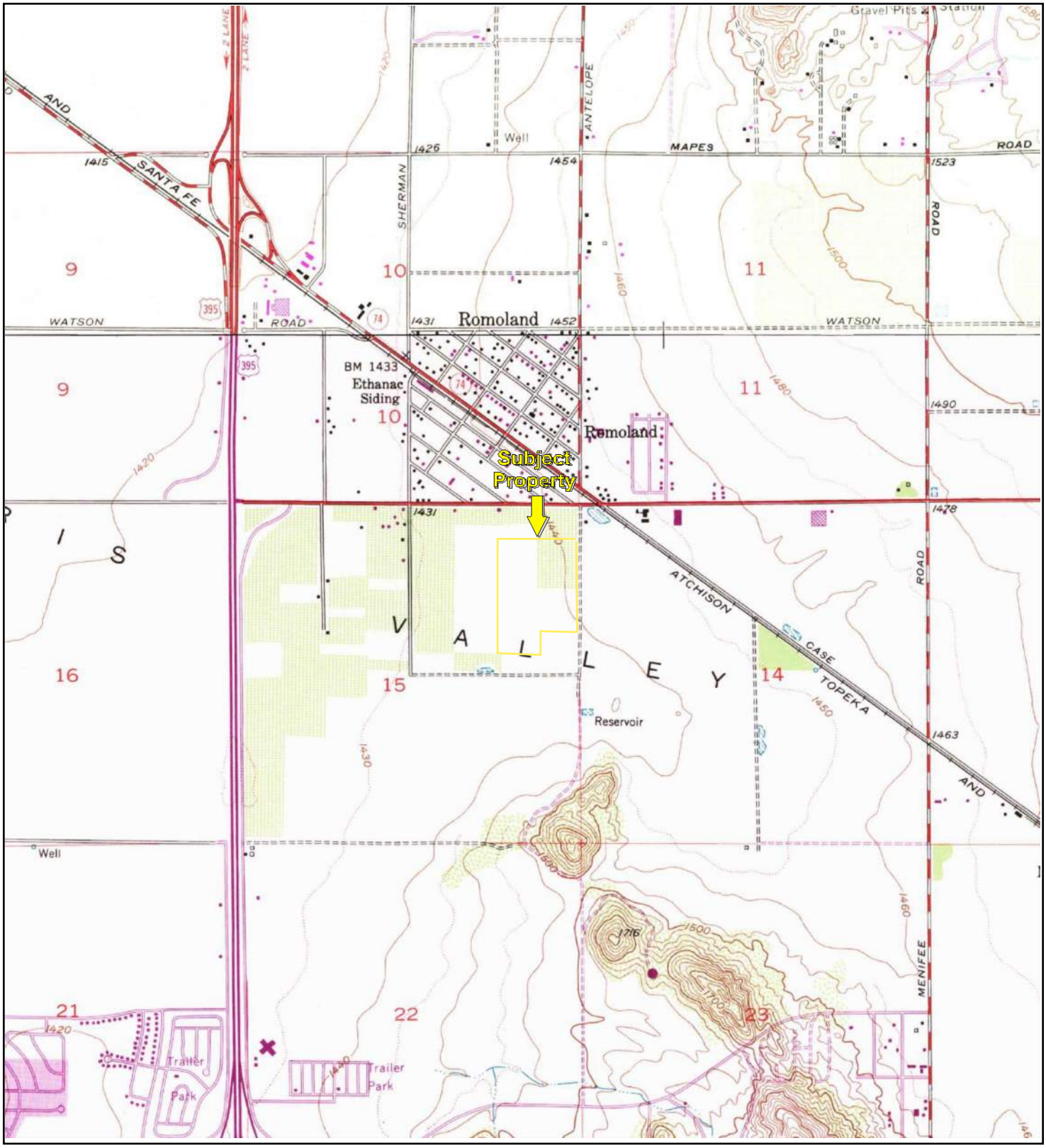
0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-308686.1



TP, Romoland, 1973, 7.5-minute
N, Perris, 1973, 7.5-minute

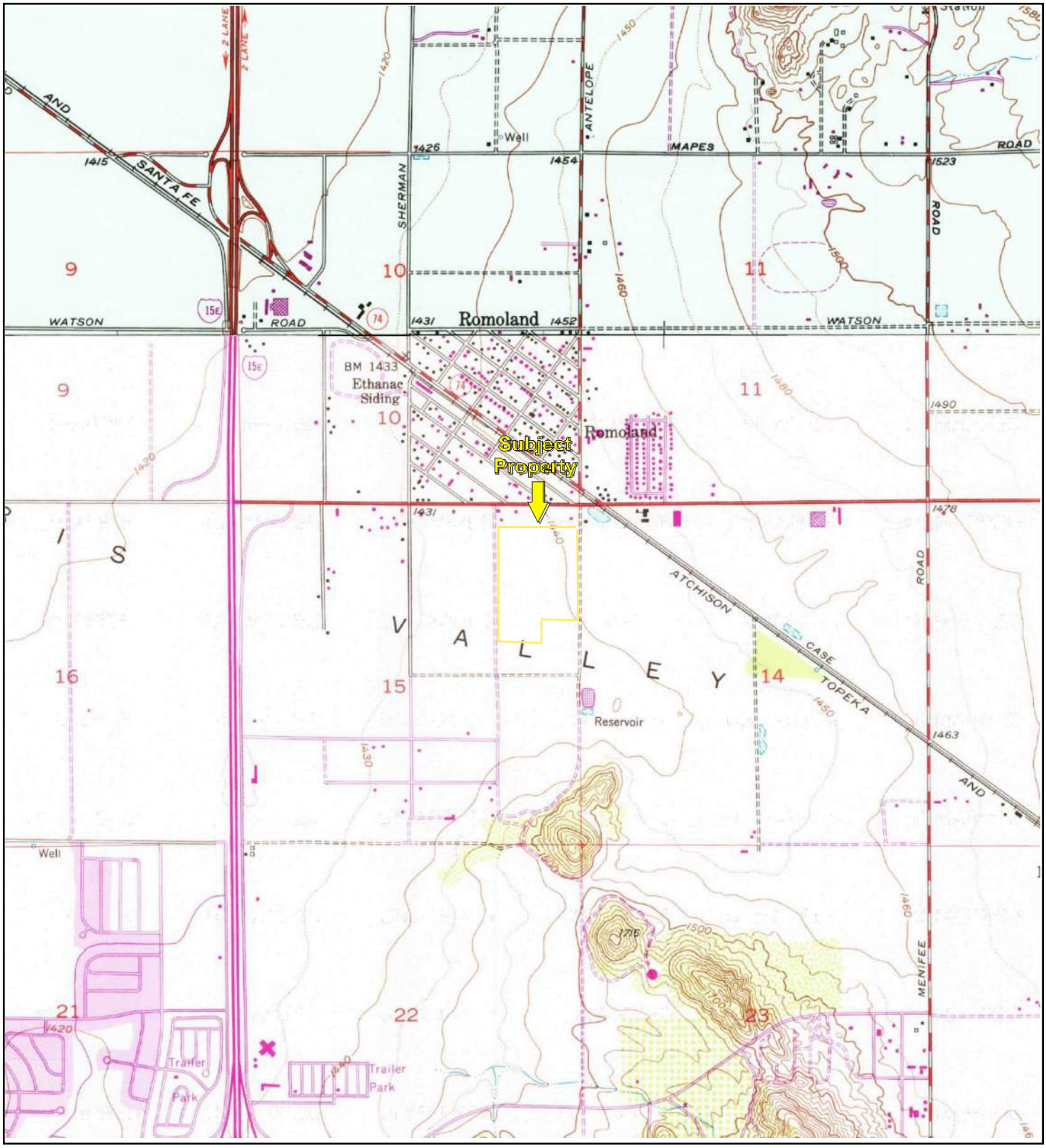
0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-308686.1



TP, Romoland, 1979, 7.5-minute
N, Perris, 1979, 7.5-minute

0 Miles 0.25 0.5 1 1.5

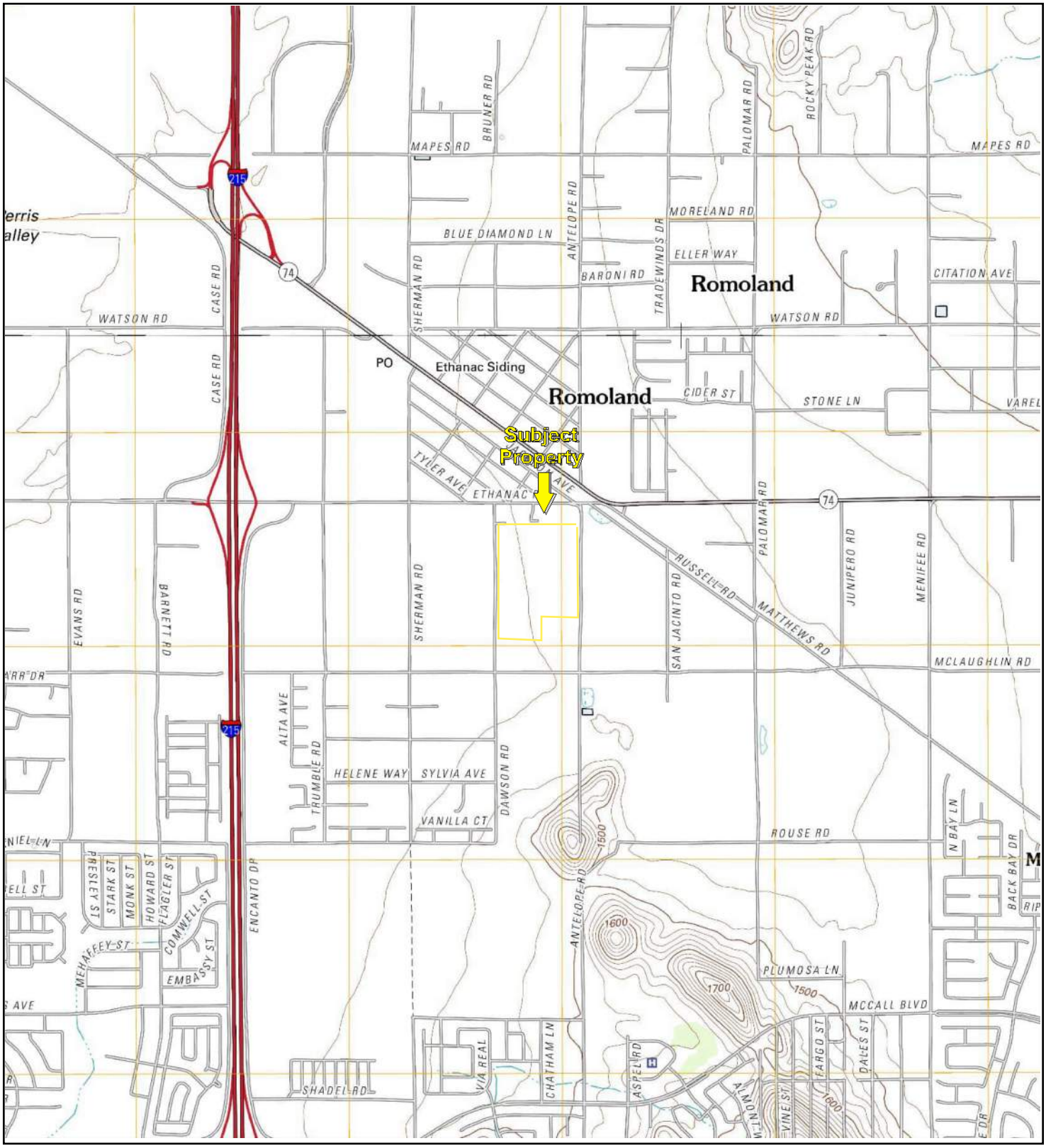
Key: Subject Property

N

APPENDIX B: Topographic Maps

Project No. 21-308686.1

PARTNER



TP, Romoland, 2012, 7.5-minute
N, Perris, 2012, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 21-308686.1

GEO 02101

☑ **LMS FOLDER COVER LETTER**

☑ **APPLICATION**

☑ **APPROVAL LETTER**

☑ **TECHNICAL REPORT(S)**

☑ **RESPONSE TO COMMENTS**

☑ **COUNTY COMMENTS LETTER(S)**

☑ **MISCELLEANOUS**

☑ **ENTITLEMENT MAPS / EXHIBITS**

☑ **IN FILE**

☐ **NOT IN FILE**

GEO 02101

LMS FOLDER COVER LETTER

NUMBER OF PAGES: 1

#CC004541

****
*Case No: GEO02101 * Applied: 09/26/2008
****
Proposal: GEOLOGIV REVIEW FOR PP23180 & PM35846
Appl Type: GEO3 GEOLOGIC REPORT APPROVAL
Location: N/MCLAUGHLIN RD, S/ETHANAC RD, E/ DAWSON RD, W/ ANTELOPE RD
Project size: 6.71 F/A: ACRES
Min lot size: F/A:
Lots/units:

Assessor Parcel No: 331150037
Section: 15 Twnshp/Range: T5S/R3W
Supervisor District: 3
Census Tract: 427.07
Team:

Zoning: SP ZONE
Zoning Area/Dist: ROMOLAND
Developer Agreement:

Open Space & Cons Elem: ADOPTED SPECIFIC PLANS, ANDAOS
Community Plan: Not in com plan
Category/Designation:

EA: 41640
Concurrent Cases: PM35846 PP23180 CFG04986
Related Cases: N/A

APPLICANT MOTTE TOWN CENTER 1 09/26/2008 Phone: 951 657-4281
445 SOUTH D ST
PERRIS CA

92570
ENG-REP UNITED ENGINEERING GROUP 09/30/2008 Phone: 909 466-9240
2990 INLAND EMPIRE BLV
SUITE 111
ONTARIO CA
91764
DEAN PHILLIPS EXT 100
PLANNER JONES DAVID 09/30/2008
OWNER JOHN MOTTE 09/26/2008
P O BOX 992750
REDDING CA
96099

Planner: Russell Brady (Riv)

GEO 0 2 1 0 1

APPLICATION

NUMBER OF PAGES: 3

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

Planning Department

Ron Goldman · Planning Director

APPLICATION FOR SUBMITTAL OF PLANNING GEOLOGIC REPORT (GEO/SSR)

GEO No. GEO 07101

CHECK ONE AS APPROPRIATE:

- ☐ FAULT REPORT (GEO1)
- ☑ GEOTECHNICAL/GEOLOGICAL REPORT (GEO3)
- ☐ WAIVER OF GEOLOGICAL REPORT (GEO)
- ☐ LIQUEFACTION STUDY (GEO2)
- ☐ GEOLOGICAL WAIVER (GEO 4)
- ☐ SLOPE STABILITY REPORT (SSR1) (No fee required for SSR)

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED.

PARENT CASE NUMBER: PP23180 & PM35846 DATE SUBMITTED: 09/18/2008

APPLICATION INFORMATION

Applicant's Name: Motte Town Center 1 E-Mail: dphillips@unitedeng.com

Mailing Address: 445 South D St. (Street)

Perris (City) CA (State) 92570 (ZIP)

Daytime Phone No: (951) 657-4281 (~~909 466-9240 x 100~~) Fax No: (~~909~~) ~~466-9253~~

Engineer/Representative's Name: Dean Phillips United Engineering Group E-Mail: dphillips@unitedeng.c

Mailing Address: 2990 Inland Empire Blvd. Suite 111 (Street)

Ontario (City) CA (State) 91764 (ZIP)

Daytime Phone No: (909) 466-9240 x 100 Fax No: (909) 466-9253

Property Owner's Name: Motte Town Center 1 E-Mail: mike@mikenaggar.com

Mailing Address: 445 South D St. (Street)

Perris (City) CA (State) 92570 (ZIP)

Daytime Phone No: (909) 466-9240 x 100 Fax No: (909) 466-9253

If the property is owned by more than one person, attach a separate page that references this application case number and lists the names, mailing addresses, and phone numbers of all persons having an interest in the real property or properties involved in this application.

APPLICATION FOR SUBMITTAL OF PLANNING GEOLOGIC REPORT (GEO/SSR)

Communications regarding this application will primarily be directed to the person identified above as the Applicant. The Applicant may be the property owner, representative, or other assigned agent.

AUTHORIZATION FOR CONCURRENT FEE TRANSFER

The signature below authorizes the Planning Department and TLMA to expedite the refund and billing process by transferring monies among concurrent applications to cover processing costs as necessary. Fees collected in excess of the actual cost of providing specific services will be refunded. If additional funds are needed to complete the processing of your application, you will be billed, and processing of the application will cease until the outstanding balance is paid and sufficient funds are available to continue the processing of the application. The applicant understands the deposit fee process as described above, and that there will be NO refund of fees which have been expended as part of the application review or other related activities or services, even if the application is withdrawn or the application is ultimately denied.

PRINTED NAME OF APPLICANT	*SIGNATURE OF APPLICANT*

AUTHORITY FOR THIS APPLICATION IS HEREBY GIVEN:

I certify that I am/we are the record owner(s) or authorized agent and that the information filed is true and correct to the best of my knowledge. An authorized agent must submit a letter from the owner(s) indicating authority to sign the application on the owner's behalf.

All signatures must be originals ("wet-signed"). Photocopies of signatures are **not** acceptable.

John D Motte	
PRINTED NAME OF PROPERTY OWNER(S)	*SIGNATURE OF PROPERTY OWNER(S)*
PRINTED NAME OF PROPERTY OWNER(S)	*SIGNATURE OF PROPERTY OWNER(S)*

If the subject property is owned by persons who have not signed as owners above, attach a separate sheet that references this application case number and lists the printed names and signatures of all persons having an interest in the property.

PROPERTY INFORMATION:

Assessor's Parcel Number(s): 331-150-037

Section: 15 Township: 5S Range: 3W

Approximate Gross Acreage: 6.71

General location (nearby or cross streets): North of McLaughlin Road, South of Ethanac Road, East of Dawson Road, West of Antelope Road.

Thomas Brothers map, edition year, page number, and coordinates: 838-E2 2006 Ed.

APPLICATION FOR SUBMITTAL OF PLANNING GEOLOGIC REPORT (GEO/SSR)

Proposal (describe project, indicate the number of proposed lots/parcels, units, and the schedule of the subdivision):

6.7 acre industrial site with one parcel for industrial condominium purposes with 4 buildings and 35 units. The project is a schedule "A" subdivision.

Related cases filed in conjunction with this request:

Is there a previous development application filed on the same site: Yes ☐ No ☐

If yes, provide Case No. PP23180 & PM35846 (Parcel Map, Zone Change, etc.)

E.A. No. (if known) _____ E.I.R. No. (if applicable): N/A

GEO 02101

APPROVAL LETTER

NUMBER OF PAGES: 7

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

December 8, 2008 Pages 5 (including this cover)

EnGEN Corporation
Fax: (951) 834-9001
Attention: Eric Davisson

RE: Conditions of Approval
County Geologic Report No. 2101
Geotechnical/Geological Engineering Study, Motte Industrial – Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS

Please see the attached comments pertaining to the subject report. Please call me at (951) 955-6863 or Mr. David Gaddie at (951) 955-1935 if you have any questions.

Sincerely,

RIVERSIDE COUNTY PLANNING DEPARTMENT
Ron Goldman, Planning Director

David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

Attachments: Conditions of Approval

cc: Planner: Russell Brady, Riverside Office, Fax: (951) 955-3157
. Eng/Rep: Dean Phillips, United Engineering Group, Fax: (909) 466-9253
File: GEO02101, PP23180, PM35846

W:\Geology\CGR\GEO02100-2299\geo02101_COA.DOC

PLOT PLAN:TRANSMITTED Case #: PP23180 Parcel: 331-150-037

10. GENERAL CONDITIONS

PLANNING DEPARTMENT

10.PLANNING. 42 USE - GEO02101 RECOMMND

County Geologic Report (GEO) No. 2101, submitted for this project (PP23180 & PM35846), was prepared by EnGEN Corporation and is entitled: "Geotechnical/Geological Engineering Study, Motte Industrial - Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS" dated June 27, 2007. In addition, EnGEN submitted the following report:

"Response to Review Comments, GEO #2101, Motte Industrial - Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-CS" dated November 6, 2008.

This additional report is now included as part of GEO No. 2101.

GEO No. 2101 concluded:

1.Based on review of published literature, site mapping and aerial photo review, there is no evidence of active faulting crossing or trending toward this site. Therefore there is a low potential for this site to be affected by surface fault rupture.

2.Due to the depth to groundwater and the relative high densities of the soils encountered beneath this site, there is a low potential for this site to be affected by seismically induced liquefaction.

3.Except for the potential for this site to be affected by strong seismic shaking, there is a low potential for this site to be affected by other secondary seismic hazards such as seiche/tsunami, seismically induced settlement, seismically induced flooding or seismically induced landsliding or rockfall.

GEO No. 2100 recommended:

1.Due to the potential for this site to be affected by strong seismic shaking, any proposed construction should be designed in accordance with all applicable seismic design provisions of the recently adopted California Building Code

10. GENERAL CONDITIONS

10.PLANNING. 42 USE - GEO02101 (cont.) RECOMMND

(CBC 2007).

2.Due to the relatively low density surficial soils present on this site, all loose surficial soils should be removed to a depth sufficient to expose material exhibiting an in-place relative compaction of at least 85% as determined by ASTM D 1557-02. It is estimated that these removals will be about 3 feet below existing grade.

3.Prior to placing any fills, the approved removal bottoms should be scarified to a depth of 12 inches, brought to near optimum moisture content and compacted to a minimum of 90% of the maximum dry density as determined by ASTM D 1557-02.

4.The removed surficial soils may be used as fill soil provided they are cleaned of any organics or other deleterious materials. All fill soils should be spread in lifts not to exceed 10 inches in compacted thickness, brought to near optimum moisture content and compacted to a minimum of 90% of the maximum dry density as determined by ASTM D 1557-02 and verified by field density testing.

5.Upon completion of the grading, the building pad soils should be tested for expansion potential and the foundation design parameters should be based on the results of that testing.

GEO No. 2101 satisfies the requirement for a Geologic Study for Planning / CEQA purposes. GEO No. 2101 is hereby accepted for Planning purposes. This approval is not intended, and should not be misconstrued as approval for grading permit. Engineering and other building code parameters will be reviewed and additional comments and/or conditions may be imposed by the Building and Safety Department upon application for grading and/or building permits.

PARCEL MAP Parcel Map #: PM35846 Parcel: 331-150-037

10. GENERAL CONDITIONS

PLANNING DEPARTMENT

10.PLANNING. 19 MAP - GEO02101 RECOMMND

County Geologic Report (GEO) No. 2101, submitted for this project (PP23180 & PM35846), was prepared by EnGEN Corporation and is entitled: "Geotechnical/Geological Engineering Study, Motte Industrial - Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS" dated June 27, 2007. In addition, EnGEN submitted the following report:

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10.PLANNING. 19 MAP - GEO02101 (cont.) RECOMMND

(CBC 2007).

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** Transmit Confirmation Report **

P.1
PLANNING Fax:951-955-0923

Dec 9 2008 09:05am

Name/Fax No.	Mode	Start	Time	Page	Result	Note
98349001	Normal	09,09:02am	1'38"	5	* O K	BrdCast
919094669253	Normal	09,09:04am	0'56"	5	# O K	BrdCast

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

December 8, 2008 Pages 5 (including this cover)

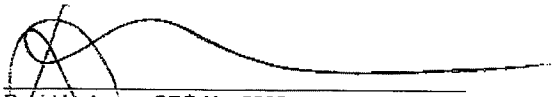
EnGEN Corporation
Fax: (951) 834-9001
Attention: Eric Davisson

RE: Conditions of Approval
County Geologic Report No. 2101
Geotechnical/Geological Engineering Study, Motte Industrial – Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS

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Sincerely,

RIVERSIDE COUNTY PLANNING DEPARTMENT
Ron Goldman, Planning Director



David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

Attachments: Conditions of Approval

cc: Planner: Russell Brady, Riverside Office, Fax: (951) 955-3157
Eng/Rep: Dean Phillips, United Engineering Group, Fax: (909) 466-9253
File: GEO02101, PP23180, PM35846

W:\Geology\CGR\GEO02100-2299\geo02101_COA.DOC

LARRY D. COOLEY, PE

MEMORANDUM
Technical Review Comments

DATE: November 18, 2008

TO: **David L. Jones** – County Geologist

County of Riverside – Transportation and Land Management Agency

FROM: **Larry D. Cooley**, PE; Geotechnical Consultant – County of Riverside Planning Department

RE: GEO No. 02101: Geotechnical Report Review located in Romoland Area – Proposed Motte Industrial; Response to Comments of November 06, 2008 by EnGEN Corp.

CONSULTANT SUMMARY AND RECOMMENDATIONS

Basically, the subject comments from the initial review of the reference GEO report have been adequately addressed, and from a geotechnical standpoint I recommend acceptance for clearance by this division of the Planning Department.

GEO 02101

TECHNICAL REPORT(S)

NUMBER OF PAGES: 64

EnGEN CORPORATION

GEOTECHNICAL/GEOLOGICAL ENGINEERING STUDY
Motte Industrial - Assessor's Parcel Number: 331-150 -037
Antelope Road and Ethanac Road
Romoland Area, Riverside County, California
Project Number: M3643-GS

June 27, 2007

Prepared for:
Motte Town Center I, LLC
445 South D Street
Perris, California 92570

25759 Jefferson Avenue, Murrieta, California 92562 • Phone: (951) 834-9000 • Fax: (951) 834-9001

TABLE OF CONTENTS

Section Number and Title **Page**

1.0 **EXECUTIVE SUMMARY** 1

2.0 **INTRODUCTION** 2
- 2.1 Authorization 2
- 2.2 Scope of Work 2
- 2.3 Previous Site Studies 2

3.0 **PROPOSED DEVELOPMENT / PROJECT DESCRIPTION** 2

4.0 **SITE DESCRIPTION** 3

5.0 **FIELD STUDY** 3

6.0 **LABORATORY TESTING** 4
- 6.1 General 4
- 6.2 Classification 4
- 6.3 In-Situ Moisture Content and Density Test 4
- 6.4 Maximum Dry Density / Optimum Moisture Content Relationship Test 4
- 6.5 Consolidation Test 4
- 6.6 Direct Shear Test (Remolded) 5
- 6.7 Expansion Test 5
- 6.8 Soluble Sulfate Test 5
- 6.9 pH/Minimum Resistivity 5
- 6.10 Chloride Content 5
- 6.11 Plasticity Index Test 6

7.0 **ENGINEERING GEOLOGY** 6
- 7.1 Geologic Setting 6
- 7.2 Faulting 6
  - 7.2.1 San Jacinto Fault Zone 6
- 7.3 Seismicity 6
- 7.4 Earth Materials 7
  - 7.4.1 Undocumented Fill Material (Not Mapped) 8
  - 7.4.2 Alluvium (Qal) 8
- 7.5 Groundwater 8
- 7.6 Liquefaction Evaluation 8
- 7.7 Secondary Effects of Seismic Activity 9

8.0 **CONCLUSIONS AND RECOMMENDATIONS** 10
- 8.1 General 10
- 8.2 Earthwork Recommendations 10
  - 8.2.1 General 10
  - 8.2.2 Clearing 11
  - 8.2.3 Excavation Characteristics 11
  - 8.2.4 Suitability of On-Site Materials as Fill 11
  - 8.2.5 Removal and Recompaction 11
  - 8.2.6 Fill Placement Requirements 12

TABLE OF CONTENTS (Continued)

Section Number and Title **Page**

8.2.7 Oversize Material 12
8.2.8 Compaction Equipment 13
8.2.9 Shrinkage and Bulking 13
8.2.10 Fill Slopes 13
8.2.11 Cut Slopes 14
8.2.12 Keyways 14
8.2.13 Subdrains 14
8.2.14 Observation and Testing 14
8.2.15 Soil Expansion Potential 15
8.2.16 Corrosivity Suite 15
8.3 Foundation Design Recommendations 15
8.3.1 General 15
8.3.2 Foundation Size 16
8.3.3 Depth of Embedment 16
8.3.4 Bearing Capacity 16
8.3.5 Settlement 16
8.3.6 Lateral Capacity 17
8.3.7 Seismic Design Parameters 17
8.4 Slab-on-Grade Recommendations 17
8.4.1 Interior Slabs 18
8.4.2 Exterior Slabs 18
8.5 Pavement Design Recommendations 18
8.6 Utility Trench Recommendations 19
8.7 Finish Lot Drainage Recommendations 20
8.8 Planter Recommendations 21
8.9 Temporary Construction Excavation Recommendations 21
8.10 Retaining Wall Recommendations 22
8.10.1 Earth Pressures 22
8.10.2 Foundation Design 22
8.10.3 Subdrain 22
8.10.4 Backfill 23
9.0 **PLAN REVIEW** 23
10.0 **PRE-BID CONFERENCE** 24
11.0 **PRE-GRADING CONFERENCE** 24
12.0 **CONSTRUCTION OBSERVATIONS AND TESTING** 24
13.0 **CLOSURE** 25

APPENDIX: TECHNICAL REFERENCES
TABLE A – DISTANCE TO STATE DESIGNATED ACTIVE FAULTS
SETTLEMENT CALCULATIONS
GEOTECHNICAL BORING LOGS
LABORATORY TEST RESULTS
DRAWINGS

EnGEN CORPORATION

June 27, 2007

Mr. Sean Duregger
Motte Town Center I, LLC
445 South D Street
Perris, California 92570
(951) 657-4281/ FAX (951) 657-2406

Regarding: **GEOTECHNICAL / GEOLOGICAL ENGINEERING STUDY**
Motte Industrial - Assessor's Parcel Number: 331-150-037
Antelope Road and Ethanac Road
Romoland Area, Riverside County, California
Project Number: M3643-GS

Dear Mr. Duregger:

According to your request and signed authorization, we have performed a Geotechnical/Geological Engineering Study for the subject project. The purpose of this study was to evaluate the existing geologic and geotechnical conditions within the subject property with respect to recommendations for rough grading of the site and design recommendations for foundations, slabs-on-grade, etc., for the proposed development. Submitted, herewith, are the results of this firm's findings and recommendations, along with the supporting data.

1.0 EXECUTIVE SUMMARY

A geotechnical/geological study of the subsurface conditions of the subject site has been performed for the proposed development. Exploratory excavations have been completed and earth material samples subjected to laboratory testing. The data has been analyzed with respect to the project information furnished to us for the proposed development. It is the opinion of this firm that the proposed development is feasible from a geotechnical/geological standpoint, provided that the recommendations presented in this report are implemented in the design and construction of the project.

The site subsurface primarily consists of alluvium. Some undocumented fill occurs on-site in the form of randomly placed planter soil stockpiles approximately 15-feet tall in height. It appears that the soil stockpiles have at one time covered nearly all locations of the sites surface, therefore it appears that there may be a thin cover of undocumented fill in the upper 2-feet below ground surface (bgs). The undocumented fill and shallow unsuitable alluvium should be removed to competent alluvium according to the recommendations as provided in order to

maintain tolerable settlement predictions. Anticipated removal depths are on the order of 3-feet below existing ground surface, as discussed in section 8.2.5.

Grading and foundation plans were not available at the time this report was prepared. When these plans become available, they should be provided to this office for subsequent review so that additional recommendations may be prepared, if necessary.

2.0 INTRODUCTION

2.1 **Authorization:** This report presents the results of the geotechnical engineering and engineering geology study performed on the subject site for the proposed development. Authorization to perform this study was in the form of a signed proposal.

2.2 **Scope of Work:** The scope of work performed for this study was designed to determine and evaluate the surface and subsurface conditions within the subject site with respect to its geotechnical characteristics, and to provide recommendations and criteria for use by the design engineer and architect for the development of the site and for design and construction of the proposed development. The scope of work included the following: site reconnaissance, surface geologic mapping; subsurface exploration; sampling of on-site earth materials; laboratory testing; engineering analysis of field and laboratory data; and the preparation of this report.

2.3 **Previous Site Studies:** No previous geotechnical/geological studies are known by this firm to have been performed for this site. If a previous site study has been performed for all or part of the subject site, the report(s) should be provided to **EnGEN Corporation,** for review and preparation of additional recommendations, if necessary.

3.0 PROPOSED DEVELOPMENT / PROJECT DESCRIPTION

Grading plans were not available for review at the time of this study. The grading plans should be made available to this office for subsequent review so that additional recommendations may be prepared, if necessary. It is our understanding that the proposed development will consists of one or two-story, wood-framed type buildings with slab-on-grade foundations, with associated landscape and hardscape improvements. It is assumed that relatively light loads will be imposed on the foundation soils. The foundation loads are not anticipated to exceed 2,000 pounds per lineal foot (plf) for continuous footings. The above project description and assumptions were used as the basis for the field and laboratory

exploration and testing programs, and the engineering analysis for the conclusions and recommendations presented in this report. This office should be notified if structures, foundation loads, grading, and/or details other than those represented herein are proposed for final development of the site so a review can be performed, supplemental evaluation prepared, and revised recommendations submitted, if required.

4.0 SITE DESCRIPTION

The site consists of approximately 6.7-acres located at the southwest corner of the intersection of Antelope Road and Ethanac Road in the Romoland area of Riverside County, California. The proposed development includes five (5) concrete tilt-up industrial buildings. The site is currently undeveloped and in use as a planter soil-type sales and distribution yard. The planter soils are stored on-site as stockpiles. The site is relatively flat with regional drainage primarily by sheet flow to the west. The topographic relief of the site, excluding the stockpiles is approximately 4-feet (RCFCWCD, 2004). The site is bound by a chain link fence.

5.0 FIELD STUDY

Field reconnaissance and geologic mapping was conducted on April 24, 2007, by our Field Geologist. A study of the property's subsurface condition was performed to evaluate underlying earth strata and the presence of groundwater. Four (4) exploratory soil borings were excavated on the study site by **Martini Drilling** utilizing a CME 75 truck-mounted drill rig, equipped with 7.0-inch outside diameter continuous flight hollow-stem augers. The maximum depth explored on site was approximately 51.5-feet below the existing ground surface (bgs). Relatively undisturbed ring samples of the earth materials encountered were obtained at various depths in the exploratory borings. Bulk samples were collected from the soil borings. All soil samples were subsequently returned to our soils laboratory for verification of field classifications and testing. Bulk samples were obtained from cuttings developed during the excavation process and represent a mixture of the soils within the depth indicated on the logs. Relatively undisturbed samples of the earth materials encountered in the soil borings were obtained by driving a thin-walled steel sampler lined with 1.0-inch high, 2.416-inch inside diameter brass rings. The sampler was driven with successive drops of a 140-pound weight having a free fall of approximately 30-inches. The blow counts for each successive 6.0-inches of penetration, or fraction thereof, are shown in the Geotechnical Boring Logs presented in the Appendix. The ring samples were retained in close-fitting

moisture-proof containers and returned to our laboratory for testing. The approximate locations of the soil borings are denoted on the Geotechnical Site Plan (Plate 1). The exploratory soil borings were backfilled with bentonite.

6.0 LABORATORY TESTING

6.1 **General:** The results of laboratory tests performed on samples of earth material obtained during the field investigation are presented in the Geotechnical Boring Logs in the Appendix. Following is a listing and brief explanation of the laboratory tests performed. The samples obtained during the field investigation will be discarded 30 days after the date of this report. This office should be notified immediately if retention of samples will be needed beyond 30 days.

6.2 **Classification:** The field classification of soil materials encountered in the geotechnical borings was verified in the laboratory, in general accordance with the Unified Soils Classification System, ASTM D 2488-00, Standard Practice for Determination and Identification of Soils (Visual-Manual Procedures).

6.3 **In-Situ Moisture Content and Density Test:** The in-situ moisture content and dry density were determined in general accordance with ASTM D 2216-98 and ASTM D 2937-00 procedures, respectively, for each selected undisturbed sample obtained. The dry density is determined in pounds per cubic foot and the moisture content is determined as a percentage of the oven dry weight of the soil.

6.4 **Maximum Dry Density / Optimum Moisture Content Relationship Test:** Maximum dry density/optimum moisture content relationship determinations were performed on samples of near-surface earth material in general accordance with ASTM D 1557-02 procedures using a 4.0-inch diameter mold. Samples were prepared at various moisture contents and compacted in five (5) layers using a 10-pound weight dropping 18-inches and with 25 blows per layer. A plot of the compacted dry density versus the moisture content of the specimens is constructed and the maximum dry density and optimum moisture content determined from the plot.

6.5 **Consolidation Test:** Settlement predictions of the on-site soil and compacted fill behavior under load were made, based on consolidation tests that were performed in general accordance with ASTM D 2435-03 procedures. The consolidation apparatus is designed to receive a 1.0-inch high, 2.416-inch diameter ring sample. Porous stones are placed in

contact with the top and bottom of each specimen to permit addition and release of pore water and pore pressure. Loads normal to the face of the specimen are applied in several increments in a geometric progression under both field moisture and submerged conditions. The resulting changes in sample thickness are recorded at selected time intervals. Water was added to the test apparatus at various loads to create a submerged condition and to measure the collapse potential (hydroconsolidation) of the sample. The resulting change in sample thickness was recorded.

6.6 **Direct Shear Test (Remolded):** Direct shear tests were performed on selected samples of near-surface earth material in general accordance with ASTM D 3080-03 procedures. The shear machine is of the constant strain type. The shear machine is designed to receive a 1.0-inch high, 2.416-inch diameter ring sample. Specimens from the sample were sheared at various pressures normal to the face of the specimens. The specimens were tested in a submerged condition. The maximum shear stresses were plotted versus the normal confining stresses to determine the shear strength (cohesion and angle of internal friction).

6.7 **Expansion Test:** Laboratory expansion tests were performed on samples of near-surface earth material in general accordance with the California Building Code Standard (CBC 18-2). In this testing procedure, a remolded sample is compacted in two (2) layers in a 4.0-inch diameter mold to a total compacted thickness of approximately 1.0-inch by using a 5.5-pound weight dropping 12-inches and with 15 blows per layer. The sample is compacted at a saturation of between 49 and 51 percent. After remolding, the sample is confined under a pressure of 144 pounds per square foot (psf) and allowed to soak for 24 hours. The resulting volume change due to the increase in moisture content within the sample is recorded and the Expansion Index (EI) calculated.

6.8 **Soluble Sulfate Test:** Samples of near-surface earth material were obtained for soluble sulfate testing for the site. The concentration of soluble sulfates was determined in general conformance with California Test Method 417 procedures.

6.9 **pH/Minimum Resistivity:** Sample(s) of near surface soils tested for pH and minimum resistivity in general conformance to CTM 643.

6.10 **Chloride Content:** Sample(s) of near surface soils were tested for chloride content in general conformance to CTM 422.

7.0 ENGINEERING GEOLOGY

7.1 **Geologic Setting:** The site is located in the Northern Peninsular Range on the structural unit known as the Perris Block. The Perris Block is bounded on the northeast by the San Jacinto Fault Zone, on the southwest by the Elsinore Fault Zone, and on the north by the Cucamonga Fault Zone. The southern boundary of the Perris Block is not as distinct, but is believed to coincide with a complex group of faults trending southeast from the Murrieta, California area. The Peninsular Range is characterized by large Mesozoic age intrusive rock masses flanked by volcanic, metasedimentary, and sedimentary rocks. Various thicknesses of alluvial sediments derived from the erosion of the elevated portions of the region fill the low-lying areas. Undocumented fill and alluvium underlie the subject property and surrounding area. The earth materials encountered on the subject site are described in more detail in Section 7.4, Earth Materials, of this report.

7.2 **Faulting:** The site is not located within an Alquist-Priolo Earthquake Fault Zone (Hart and Bryant, updated 1999). No known active faults traverse the property. The nearest active faults to the site are described below:

7.2.1 **San Jacinto Fault Zone:** The San Jacinto Fault – San Jacinto Valley Segment is located approximately 17.2 kilometers (10.7 miles) northeast of the site. The Elsinore Fault Zone is a prominent and youthful structural boundary between the Perris Block to the southwest and the San Jacinto Block to the northeast. The San Jacinto Fault Zone generally trends northwest-southeast and is a major right lateral strike-slip fault, that has displayed surface rupture and associated seismic ground shaking in 1899, 1918, 1923, 1934, 1937, 1942, and 1954.

7.3 **Seismicity:** The project lies within an active area of faulting and seismicity in the Southern California region. This predominance of seismic activity has been associated with the San Jacinto Fault Zone along its southeast section in the vicinity of the Salton Sea, and within the northwest portion near its junction with the San Andreas Fault Zone. The predominance of the remaining recorded activity has been associated with the San Andreas Fault Zone. A list of faults within 62 miles (100 kilometers) of the site is shown on Table A in the Appendix. Based on the computer program EQ Search, by Thomas F. Blake, the maximum peak ground acceleration experienced at the site since 1800 was approximately

0.39g from a magnitude 6.8 earthquake located approximately 16 kilometers from the site that occurred in 1918 (Blake, 2004b).

Although no known active faults exist within the project limits, the site will experience ground motion and effects from earthquakes generated along active faults located off-site.

To estimate the potential ground shaking, **EnGEN Corporation** has analyzed the seismic parameters using the probabilistic ground motion analysis. The probabilistic ground motion analysis requires information regarding fault geometry, the magnitude of the maximum credible earthquake on each fault, and the regional attenuation equation, which relates the considered seismic parameters to the magnitude and the source-site distance. To perform this analysis, **EnGEN Corporation** utilized the computer software FRISKSP developed by Thomas F. Blake (Blake, 2004c).

The attenuation relationship by Boore et al. (1997) for soil type **SD (stiff soil – shear wave velocity 250 m/s)** was utilized. For a complete discussion of the software and probabilistic methods the reader is referred to Blake (2004a, b, c).

The intensity of ground shaking at a given location depends primarily upon the earthquake magnitude, distance from the source (epicenter), and the site response characteristics. The **San Jacinto Fault – San Jacinto Valley Segment** is potentially capable of producing the most intense horizontal ground acceleration at the site, due to its proximity and associated **maximum credible earthquake magnitude of 6.9.** Such an earthquake near the site could produce seismic shaking with an **estimated maximum credible peak horizontal ground acceleration of 0.50g**. The maximum credible peak horizontal acceleration is the maximum acceleration that appears capable of occurring under the presently known tectonic framework, and has a 10 percent chance of exceedance in 50 years.

In sum, these results are based on many unavoidable geological and statistical uncertainties, but are consistent with current standard-of-practice. As engineering seismology evolves, and as more fault-specific geological data are gathered, more certainty and different methodologies may also evolve.

7.4 **Earth Materials:** A brief description of the earth materials encountered in the exploratory excavations is presented in the following sections. A more detailed description of the earth

materials encountered is presented on the Geotechnical Boring Logs in the Appendix. The earth material strata as shown on the logs represent the conditions in the actual exploratory locations and other variations may occur between the excavations. Lines of demarcation between the earth materials on the logs represented the approximate boundary between the material types; however, the transition may be gradual.

7.4.1 **Undocumented Fill Material (Not Mapped):** Undocumented fill material was observed at the surface of the subject site in form of planter soil stockpiles with a thin cover of associated spoils across the site, estimated at less than 2.5-feet bgs, based on the soil samples collected on-site. However, some deeper areas may occur. These materials and any other encountered undocumented fills should be removed and may be reused in fill provided they are properly cleaned of organics and debris. However, it is our understanding that the stockpiles will be removed from the site prior to grading activities.

7.4.2 **Alluvium (Qal):** Alluvium underlies the undocumented fill material at the site. Based on our observations, the alluvial materials extended to the total depth explored of 51.5-feet bgs. The alluvium was observed to be primarily comprised of sandy silt, clayey silt, silty clay, silty sands, clayey sand or clean sands. The alluvium exhibited conditions that were medium dense to very dense, or soft to hard and moist to wet in-place.

7.5 **Groundwater:** Groundwater was not encountered in on-site borings. Based on our observations of soil samples, a historical groundwater high indicator, such as mottling, was not observed in soil samples. Based upon the available groundwater data from the Geotracker website, no sites listed in Romoland appear to have encountered groundwater during on-site activities.

7.6 **Liquefaction Evaluation:** Liquefaction is a phenomenon where a sudden large decrease of shearing resistance takes place in fine-grained cohesionless and/or low plasticity cohesive soils due to the cyclic stresses produced by earthquakes causing a sudden, but temporary, increase of porewater pressure. The increased porewater pressure occurs below the water table, but can cause propagation of groundwater upward into overlying soil and possibly to the ground surface and cause sand boils as excess porewater escapes. Potential hazards due to liquefaction include significant total and/or differential settlements of the ground surface and structures as well as possible collapse of structures due to loss of support of foundations. It has been shown by laboratory testing and from the analysis of soil conditions

at sites where liquefaction has occurred that the soil types most susceptible to liquefaction are saturated, fine-grained sand to sandy silt with a mean grain size ranging from approximately 0.075 mm to 0.5 mm. These soils derive their shear strength from intergranular friction and do not drain quickly during earthquakes. Published studies and field and laboratory test data indicate that coarse-grained sands and silty or clayey sands beyond the above-mentioned grain size range are considerably less vulnerable to liquefaction. To a large extent, the relative density of the soil also controls the susceptibility to liquefaction for a given number of cycles and acceleration levels during a seismic event. Other characteristics such as confining pressure and the stresses created within the soil during a seismic event also affect the liquefaction potential of a site. Liquefaction of soil does not generally occur at depths of greater than 40 to 50-feet below ground surface due to the confining pressure at that depth. To perform the liquefaction analysis, the computer software LIQUEFY2 (Blake, 1998) is typically utilized. The potential for liquefaction of the site is considered to be very low due to the following conditions:

- Groundwater was not encountered to a maximum depth of 51.5-feet bgs on-site and is not expected to encroach above that depth based upon available soil samples and regional groundwater data.
- High relative densities and blow counts were encountered in the majority of the soils below the zone of proposed recompaction.

Based on these findings, no further calculation or evaluation of liquefaction is considered necessary and settlement due to liquefaction is anticipated to be negligible.

7.7 **Secondary Effects of Seismic Activity:** The secondary effects of seismic activity normally considered as possible hazards to a site include various types of ground failure and induced flooding from dam failure. The nearest large confined bodies of water to the site are the Lake Perris Reservoir located approximately 6.5 miles to the north and the Diamond Valley Reservoir located approximately 7.0 miles east. It is our understanding that both regional bodies of water have water surface elevation controls designed to provide appropriate safety factors with respect to the seismic forces that are expected to act on them. Therefore, seismically-induced flooding and earthquake-induced surface flooding due to seiches is considered low. Due to the distance from the Pacific Ocean, the probability of a tsunami impacting the site is considered nil. The probability of occurrence of each type of ground failure depends on the severity of the earthquake, the distance of

the site from the zone of maximum energy release of the quake, the topography of the site, the subsurface materials at the site, and groundwater conditions beneath the site, besides other factors. Since there are no active faults on the site, the probability of hazards due to fault ground surface rupture is considered low. Due to the low topographic relief on-site, it is considered that the potential for earthquake-induced landslides is low.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 **General:** The conclusions and recommendations presented in this report are based on the results of field and laboratory data obtained from the exploratory excavations located across the property, and the project description and assumptions presented in Section 3.0, Proposed Development/Project Description, of this report. Based on the field and laboratory data and the engineering analysis performed, it is considered that the proposed development is feasible from a geotechnical/geological standpoint. The actual conditions of the near-surface supporting material across the site may vary. The nature and extent of variations of the surface and subsurface conditions between the exploratory excavations may not become evident until construction. If variations of the material become evident during grading, this office should be notified so that **EnGEN Corporation** can evaluate the characteristics of the material and, if needed, prepare revisions to the recommendations presented herein. Recommendations for general site grading, foundations, slab support, pavement design, slope maintenance, etc., are presented in the subsequent paragraphs.

8.2 Earthwork Recommendations:

8.2.1 **General:** The grading recommendations presented in this report are intended for: 1) the use of a conventional shallow foundation system and concrete slabs cast on-grade; and 2) the rework of unsuitable near-surface earth materials to create an engineered building pad and suitable support for exterior hardscape (sidewalks, patios, etc.) and pavement. If pavement subgrade soils are prepared at the time of rough grading of the building site and the areas are not paved immediately, additional observations and testing of the subgrade soil will have to be performed before placing aggregate base material or asphaltic concrete or PCC pavement to locate areas which may have been damaged by construction traffic, construction activities, and/or seasonal wetting and drying. The following recommendations may need to be modified and/or supplemented during rough grading as field conditions require.

8.2.2 **Clearing:** All debris, refuse, roots, grasses, weeds, brush and other deleterious materials should be removed from the proposed structure, exterior hardscape and pavement areas, as well as any areas to receive structural fill before grading is performed. No discing or mixing of organic material into the soils should be performed. Man-made objects encountered should be overexcavated and exported from the site.

8.2.3 **Excavation Characteristics:** Excavation and trenching within the alluvium is anticipated to be relatively easy to moderately difficult.

8.2.4 **Suitability of On-Site Materials as Fill:** In general, the on-site earth materials present are considered suitable for reuse as fill. Fill materials should be free of significant amounts of organic materials and/or debris. Fill materials should not contain rocks greater than 6-inches in maximum diameter in the upper 5.0-feet of fill. Fill materials should not contain rocks greater than 12-inches in maximum diameter between 5 and 10-feet below proposed pad grade. Fills deeper than 10-feet may be used for oversize disposal. Oversize disposal of rocks greater than 12-inches maximum diameter may be conducted in accordance with Section 8.2.7, Oversize Material, of this report.

8.2.5 **Removal and Recompaction:** All existing undocumented fills and/or unsuitable, loose, or disturbed near-surface soil in areas that will support structural fills, structures, exterior hardscape (sidewalks, patios, etc.), and pavement should be removed. The grading plans should be made available for review by this office in order to prepare additional recommendations, if necessary. The following recommendations are based on field and laboratory results:

1. Any undocumented fill material to be encountered at the time of grading will require removal to competent alluvium.
2. Based on our field and laboratory findings, removals should extend to a minimum of 3-feet below existing grade, deeper removals are not expected. Further recommendations for removals should be provided following a grading plan review once one becomes available.
3. Removal bottoms should be tested for competency. A competent removal bottom should be defined as an undisturbed bottom which is a minimum of 85 percent compact, and free of large or abundant pores. Bottoms which are not a minimum of 85 percent compact should be deepened.

4. Removals in the hardscape portions of the site should be performed to 2-feet below existing grade in fill areas, and to 2-feet below proposed grade in cut areas.
5. All exposed removal and overexcavation bottoms should be inspected by the Project Geologist, and/or his representative prior to placement of any fill.
6. The approved exposed bottoms of all removal areas should be scarified 12-inches, brought to near optimum moisture content, and compacted to a minimum of 90 percent relative compaction before placement of fill. Maximum dry density and optimum moisture content for compacted materials should be determined in accordance with ASTM D 1557-02 procedures.
7. Geologic contacts as shown on the attached site plan and boring logs are approximate. Final determination of removal and overexcavation depths should be made during grading.
8. If import material is planned to be used, this firm should be notified immediately to perform additional testing and provide further recommendations, as necessary.

8.2.6 **Fill Placement Requirements:** All fill material, whether on-site material or import, should be approved by the Project Geotechnical Engineer and/or his representative before placement. All fill should be free of vegetation, organic material, and debris. Oversized material should be disposed of in accordance with Section 8.2.7, Oversize Material, of this report. Import fill should be no more expansive than the existing on-site material. Approved fill material should be placed in horizontal lifts not exceeding 10-inches in compacted thickness and watered or aerated to obtain near optimum moisture content (±2.0 percent of optimum). Each lift should be spread evenly and should be thoroughly mixed to ensure uniformity of soil moisture. Structural fill should meet a minimum relative compaction of 90 percent. Maximum dry density and optimum moisture content for compacted materials should be determined in accordance with ASTM D 1557-02 procedures. Moisture content of fill materials should not vary more than 2.0 percent from optimum, unless approved the Project Geotechnical Engineer.

8.2.7 **Oversize Material:** Oversize material is defined as rock, or other irreducible material with a dimension greater than 12-inches. Oversize material shall not be buried or placed in fill unless location, materials, and placement methods are specifically accepted by the Project Geotechnical Engineer. Placement operations shall be such that nesting of oversize material

does not occur, and such that the oversize material is completely surrounded by compacted fill (windrow). Alternative methods, such as water jetting or wheel rolling with a backhoe may be required to achieve compaction in the fill materials immediately adjacent to the windrow. Oversize material shall not be placed within ten (10) vertical feet of finish grade, within fifteen (15) lateral feet of a finished slope face, or within two (2) feet of future utilities.

8.2.8 **Compaction Equipment:** It is anticipated that fill compaction for the project will be achieved by the use of a combination of rubber-tired and track-mounted heavy construction equipment. Compaction by rubber-tired or track-mounted equipment, by itself, may not be sufficient. Adequate water trucks, water pulls, and/or other suitable equipment should be available to provide sufficient moisture and dust control. The actual selection of equipment is the responsibility of the contractor performing the work and should be such that uniform and proper compaction of the fill is achieved.

8.2.9 **Shrinkage and Bulking:** There will be a material loss due to the clearing and grubbing operations. Shrinkage of alluvium (Qal) that is excavated and replaced as compacted fill should be anticipated. It is estimated that the average shrinkage of these materials will be on the order of 5 to 15 percent, based on fill volumes when compacted to a minimum of 90 percent relative compaction. A higher relative compaction would mean a larger shrinkage value. No estimations can be given for undocumented fill material due to its unknown nature.

8.2.10 **Fill Slopes:** Finish fill slopes should not be inclined steeper than 2:1 (horizontal to vertical). Fill slope surfaces should be compacted to 90 percent relative compaction based on a maximum dry density for the soil as determined by ASTM D 1557-02 procedures to the face of the finished slope. Fill slopes should be constructed in a skillful manner so that they are positioned at the design orientations and slope ratio. Achieving a uniform slope surface by subsequent thin wedge filling should be avoided. Any add-on correction to a fill slope should be conducted under the observation and recommendations of the Project Geotechnical Engineer. The proposed add-on correction procedures should be submitted in writing by the contractor prior to commencement of corrective grading and reviewed by the Project Geotechnical Engineer. Compacted fill slopes should be backrolled with suitable equipment for the type of soil being used during fill placement at intervals not exceeding 4.0-feet in vertical height. As an alternative to the backrolling of the fill slopes, over-filling of the slopes will be considered acceptable and preferred. The fill slope should be constructed by over-

filling with compacted fill a minimum of 3.0-feet horizontally, and then trimmed back to exposed the dense inner core of the slope surface.

8.2.11 **Cut Slopes:** All cut slopes should not be inclined steeper than 2:1 (horizontal to vertical). Steeper cut slopes will require slope stability analysis to verify stability. All cut slopes should be inspected by the Project Geologist to check for any adverse geologic conditions. Cut slopes with adverse geologic conditions may require flattening or buttressing to maintain stability.

8.2.12 **Keyways:** A keyway excavated into competent native earth materials should be constructed at the toe of all fill slopes that are proposed on natural grades of 5:1 (horizontal to vertical) or steeper. Keyways should be a minimum of 15-feet wide (equipment width) and tilted a minimum of 2 percent into the hillside. A series of level benches should be constructed into competent native earth materials on natural grades of 5:1 (horizontal to vertical) or steeper prior to placing fill.

8.2.13 **Subdrains:** Although the need for subdrains is not anticipated at this time, final recommendations should be made during grading by the Project Geologist.

8.2.14 **Observation and Testing:** During grading, observation and testing should be conducted by the Project Geotechnical Engineer and/or his representative to verify that the grading is being performed according to the recommendations presented in this report. The Project Geotechnical Engineer and/or his representative should observe the scarification and the placement of fill and should take tests to verify the moisture content, density, uniformity and degree of compaction obtained. Where testing demonstrates insufficient density, additional compaction effort, with the adjustment of the moisture content where necessary, should be applied until retesting shows that satisfactory relative compaction has been obtained. The results of observations and testing services should be presented in a formal Finish Grading Report following completion of the grading operations. Grading operations undertaken at the site without the Project Geotechnical Engineer and/or his representative present may result in exclusions of the affected areas from the finish grading report for the project. The presence of the Project Geotechnical Engineer and/or his representative will be for the purpose of providing observations and field testing and will not include any supervision or directing of the actual work of the contractor or the contractor's employees or agents. Neither the presence and/or the non-presence of the Project Geotechnical Engineer and/or his field representative

nor the field observations and testing shall excuse the contractor in any way for defects discovered in the contractor's work.

8.2.15 **Soil Expansion Potential:** Upon completion of fine grading of the building pad, near-surface samples should be obtained for expansion potential testing to identify the expansion potential for each lot and assign appropriate foundation and slab-on-grade recommendations for construction. Our Expansion Index (EI) testing on-site indicates that soil expansivity is EI=7, which is classified as having a very low expansion potential. Based on our observations of the subsurface soils, increased amounts of expansive soils may be present on site. Mixing of these soils during grading could affect the overall EI of the fill. If selective grading is desired in order to ensure that expansive soils are not used near pad grade, this option should be discussed with this firm and the grading contractor prior to grading the site. **Final foundation design parameters should be based on EI testing of near-surface soils and be performed at the conclusion of rough grading.**

8.2.16 **Corrosivity Suite:** Test results for pH, minimum resistivity, sulfate content, and chloride content (CTM 417, CT 643, CTM 422 procedures) were analyzed and processed by Prime Testing, Inc. A negligible concentration (0.026% by weight) of water soluble sulfates were reported. As a result, normal Type II cement may be used in concrete that will come in contact with native soils. Additional corrosivity related results included a pH of 7.9, a minimum resistivity of 1,000 ohm-cm, and a chloride content of 40 ppm. Should additional corrosivity analysis be required, a Corrosion Engineer should be consulted. Laboratory analytical results are included in the Appendix.

8.3 Foundation Design Recommendations:

8.3.1 **General:** Foundations for the proposed structures may consist of conventional column footings and continuous wall footings founded upon properly compacted fill, as recommended in Section 8.2, the Earthwork Recommendations, of this report. The recommendations presented in the subsequent paragraphs for foundation design and construction are based on geotechnical characteristics and a very low expansion potential for the supporting soils and are not intended to preclude more restrictive structural requirements. The Structural Engineer for the project should determine the actual footing width and depth to resist design vertical, horizontal, and uplift forces.

8.3.2 **Foundation Size:** Continuous footings should have a minimum width of 12-inches. Continuous footings should be continuously reinforced with a minimum of one (1) No. 4 steel reinforcing bar located near the top and one (1) No. 4 steel reinforcing bar located near the bottom of the footings to minimize the effects of slight differential movements which may occur due to minor variations in the engineering characteristics or seasonal moisture change in the supporting soils. Final foundation size and reinforcing should be determined based on the expansive potential of the supporting soils. Column footings should have a minimum width of 18-inches by 18-inches and be suitably reinforced, based on structural requirements. A grade beam, founded at the same depths and reinforced the same as the adjacent footings, should be provided across the garage, doorways, or any other types of perimeter openings.

8.3.3 **Depth of Embedment:** Exterior and interior footings founded in properly compacted fill should extend to a minimum depth of 12-inches below lowest adjacent finish grade for one story structures and 18-inches below lowest adjacent final grade for two story structures. Deeper footings may be necessary for expansive soils purposes, depending on the final determination of pad specific expansive potential.

8.3.4 **Bearing Capacity:** Provided the recommendations for site earthwork, minimum footing width, and minimum depth of embedment for footings are incorporated into the project design and construction, the allowable bearing value for design of continuous and column footings for the total dead plus frequently-applied live loads is 2,000 psf for continuous footings, and 2,000 psf for column footings in properly compacted fill. The allowable bearing value has a factor of safety of at least 3.0 and may be increased by 33.3 percent for short durations of live and/or dynamic loading, such as wind or seismic forces.

8.3.5 **Settlement:** Footings designed according to the recommended bearing values and the maximum assumed wall and column loads are not expected to exceed a maximum settlement of 0.50-inch or a differential settlement of 0.25-inch in properly compacted fill under static load conditions.

Settlement due to dynamic loading has been evaluated for the maximum credible peak ground acceleration. Calculations for potential settlement of dry sands are included in the Appendix and indicate settlement potential less than 0.10-inch. No settlement due to liquefaction is anticipated for the subject site due to the lack of groundwater and the very

high densities encountered. Therefore, it is our opinion that pseudo-static settlement is not a design consideration for this site.

8.3.6 **Lateral Capacity:** Additional foundation design parameters for resistance to static lateral forces are as follows:

Allowable Lateral Pressure (Equivalent Fluid Pressure), Passive Case:
Compacted Fill– 250 pcf

Allowable Coefficient of Friction: Compacted Fill – 0.35

Lateral load resistance may be developed by a combination of friction acting on the base of foundations and slabs and passive earth pressure developed on the sides of the footings and stem walls below grade when in contact with properly compacted fill. The above values are allowable design values and have safety factors of at least 2.0 incorporated into them and may be used in combination without reduction in evaluating the resistance to lateral loads. The allowable values may be increased by 33.3 percent for short durations of live and/or dynamic loading, such as wind or seismic forces. For the calculation of passive earth resistance, the upper 1.0-foot of material should be neglected unless confined by a concrete slab or pavement. The maximum recommended allowable passive pressure is 5.0 times the recommended design value.

8.3.7 **Seismic Design Parameters:** The following minimum seismic design factors apply:

Design Fault Name: San Jacinto Fault – San Jacinto Valley Segment

Nearest Estimated Closest Distance to Fault: 17.2 Km

Parameter	Value	2001 CBC Reference
Seismic Zone Factor, Z	0.4	Table 16-I
Seismic Source Type	B	Table 16-U
Near – Source Factor, N_a	1.0	Table 16-S
Near – Source Factor, N_v	1.0	Table 16-T
Soil Profile Type	S_D	Table 16-J
Seismic Coefficient, C_a	0.44 N_a	Table 16-Q
Seismic Coefficient, C_v	0.64 N_v	Table 16-R

8.4 **Slab-on-Grade Recommendations:** The recommendations for concrete slabs, both interior and exterior, excluding PCC pavement, are based upon the expansion potential for the supporting material. Concrete slabs should be designed to minimize cracking as a result of shrinkage. Joints (isolation, contraction, and construction) should be placed in accordance

with the American Concrete Institute (ACI) guidelines. Special precautions should be taken during placement and curing of all concrete slabs. Excessive slump (high water / cement ratio) of the concrete and/or improper curing procedures used during either hot or cold weather conditions could result in excessive shrinkage, cracking, or curling in the slabs. It is recommended that all concrete proportioning, placement, and curing be performed in accordance with ACI recommendations and procedures.

8.4.1 **Interior Slabs:** Interior concrete slabs-on-grade should be a minimum of 4.0-inches nominal in thickness and be underlain by a 1.0 to 2.0-inches of clean coarse sand or other approved granular material placed on properly prepared subgrade per Section 8.2, Earthwork Recommendations, of this report. Minimum slab reinforcement should consist of No. 3 reinforcing bars placed 24-inches on center in both directions, or a suitable equivalent as determined by the Project Structural Engineer. Final pad identification and slab construction requirements will be presented in the compaction report upon completion of grading. It is essential that the reinforcing be placed at mid-depth in the slab. The concrete section and/or reinforcing steel should be increased appropriately for anticipated excessive or concentrated floor loads. In areas where moisture sensitive floor coverings are anticipated over the slab, we recommend the use of a polyethylene vapor barrier with a minimum of 10.0 mil in thickness be placed beneath the slab. The moisture barrier should be overlapped or sealed at splices and covered top and bottom by a 1.0 to 2.0-inch minimum layer of clean, moist (not saturated) sand to aid in concrete curing and to minimize potential punctures.

8.4.2 **Exterior Slabs:** All exterior concrete slabs cast on finish subgrade (patios, sidewalks, etc., with the exception of PCC pavement) should be a minimum of 4.0-inches nominal in thickness and should be underlain by a minimum of 12.0-inches of soil that has been prepared in accordance with Section 8.2, Earthwork Recommendations, of this report. Reinforcing in the slabs and the use of a compacted sand or gravel base beneath the slabs should be according to the current local standards.

8.5 **Pavement Design Recommendations:** The following recommendations for the structural pavement section for the proposed parking and driveway areas for the subject development are presented for preliminary design purposes only. **The final design should be based on the soils located near subgrade.** The pavement section has been determined in general accordance with **CalTrans** design procedures and is based on an assumed Traffic Index (TI) and an assumed R-Value of 32, which corresponds to the test results from B-1 and B-4 at 0

to 5-feet bgs. The R-Value of any imported fill material may vary from the assumed value thereby changing the proposed pavement section design.

The sections listed below are provided for reference purposes and are calculated as a minimum based on varying Traffic Indexes:

Area	Traffic Index	Calculated Section
Automobile Traffic	5.0	3-inches Asphaltic Concrete over 5.5-inches Aggregate Base, placed properly compacted subgrade or an equivalent minimum of 6-inches of Portland Cement Concrete with a compressive strength of 4,000 PSI at 28-days.
Heavy Truck Traffic	6.0	3-inches Asphaltic Concrete over 8-inches Aggregate Base, placed properly compacted subgrade or an equivalent of 7-inches of Portland Cement Concrete with a compressive strength of 4,000 psi at 28-days.

Asphalt concrete pavement materials should be as specified in Sections 39-2.01 and 39-2.02 of the current **CalTrans** Standard Specifications or a suitable equivalent. Aggregate base should conform to ¾-inch Class II material as specified in Section 26-1.02B of the current **CalTrans** Standard Specifications or a suitable equivalent. **In privately maintained areas the subgrade soil, including utility trench backfill, should be compacted to a minimum of 90-percent relative compaction.** In public roadways the subgrade soil, including utility trench backfill, should be compacted to at least 95 percent relative compaction. The aggregate base material should be compacted to at least 95 percent relative compaction. Maximum dry density and optimum moisture content for subgrade and aggregate base materials should be determined according to ASTM D 1557-02 procedures. If pavement subgrade soils are prepared at the time of rough grading of the building site and the areas are not paved immediately, additional observations and testing will have to be performed before placing aggregate base material, asphaltic concrete, or PCC pavement to locate areas that may have been damaged by construction traffic, construction activities, and/or seasonal wetting and drying. In the proposed pavement areas, soil samples should be obtained at the time the subgrade is graded for R-Value testing according to California Test Method 301 procedures to verify the pavement design recommendations.

8.6 **Utility Trench Recommendations:** Utility trenches within the zone of influence of foundations or under building floor slabs, exterior hardscape, and/or pavement areas should be backfilled with properly compacted soil. All utility trenches within the building pad and

extending to a distance of 5.0-feet beyond the building exterior footings should be backfilled with on-site or similar soil. Where interior or exterior utility trenches are proposed to pass beneath or parallel to building, retaining wall, and/or decorative concrete block perimeter wall footings, the bottom of the trench should not be located below a 1:1 plane projected downward from the outside bottom edge of the adjacent footing unless the utility lines are designed for the footing surcharge loads. It is recommended that all utility trenches excavated to depths of 5.0-feet or deeper be cut back according to Section 8.9, Temporary Construction Excavation Recommendations, of this report or be properly shored during construction. Backfill material should be placed in a lift thickness appropriate for the type of backfill material and compaction equipment used. Backfill material should be compacted to a minimum of 90 percent relative compaction by mechanical means. In public roadway areas, backfill material should be compacted to a minimum 95-percent relative compaction. Jetting or flooding of the backfill material will not be considered a satisfactory method for compaction unless the procedures are reviewed and approved in writing by the Project Geotechnical Engineer. Maximum dry density and optimum moisture content for backfill material should be determined according to ASTM D 1557-02 procedures.

8.7 **Finish Lot Drainage Recommendations:** Positive drainage should be established away from the tops of slopes, the exterior walls of structures, the back of retaining walls, and the decorative concrete block perimeter walls. Finish lot surface gradients in unpaved areas should be provided next to tops of slopes and buildings to guide surface water away from foundations and slabs and from flowing over the tops of slopes. The surface water should be directed toward suitable drainage facilities. Ponding of surface water should not be allowed next to structures or on pavements. In unpaved areas, a minimum positive gradient of 4.0 percent away from the structures and tops of slopes for a minimum distance of 3.0-feet and a minimum of 1.0 percent pad drainage off the property in a non-erosive manner should be provided. Landscape trees and plants with high water needs should be planted at least 5.0-feet away from the walls of the structures. Downspouts from roof drains should discharge to a surface which slopes away from the structure a minimum of 5.0-feet from the exterior building walls. In no case should downspouts from roof drains discharge into planter areas immediately adjacent to the building unless there is positive drainage away from the structure at a minimum gradient of 2.0 percent, directed onto a permanent all-weather surface or subdrain system.

8.8 **Planter Recommendations:** Planters around the perimeter of the structures should be designed to ensure that adequate drainage is maintained and minimal irrigation water is allowed to percolate into the soils underlying the buildings.

8.9 **Temporary Construction Excavation Recommendations:** Temporary construction excavations for rough grading, foundations, retaining walls, utility trenches, etc., more than 5.0-feet in depth and to a maximum depth of 15-feet should be properly shored or cut back to the following inclinations:

Earth Material	Observed/Anticipated CalOSHA Soil Classification	Inclination
Alluvium or Compacted Fill	Type B	1:1

No surcharge loads (spoil piles, earthmoving equipment, trucks, etc.) should be allowed within a horizontal distance measured from the top of the excavation slope equal to 1.5 times the depth of the excavation. Excavations should be initially observed by the Project Geotechnical Engineer, Project Engineering Geologist, and/or their representative to verify our recommendations or to make additional recommendations to maintain stability and safety. Moisture variations, differences in the cohesive or cementation characteristics, or changes in the coarseness of the deposits may require slope flattening or, conversely, permit steepening upon review by the Project Geotechnical Engineer, Project Engineering Geologist, and/or their representative. Deep utility trenches may experience caving which will require special considerations to stabilize the walls and expedite trenching operations. Surface drainage should be controlled along the top of the slope to preclude erosion of the slope face. If excavations are to be left open for long periods, the slopes should be sprayed with a protective compound and/or covered to minimize drying out, raveling, and/or erosion of the slopes. For excavations more than 5.0-feet in depth which will not be cut back to the recommended slope inclination, the contractor should submit to the owner and/or the owner's designated representative detailed drawings showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection. If the drawings do not vary from the requirements of the OSHA Construction Safety Orders (CAL OSHA or FED OSHA, whichever is applicable for the project at the time of construction), a statement signed by a registered Civil or Structural Engineer in the State of California, engaged by the contractor at

his expense, should be submitted certifying that the contractor's excavation safety drawings comply with OSHA Construction Orders. If the drawings vary from the applicable OSHA Construction Safety Orders, the drawings should be prepared, signed, and sealed by a Registered Civil or Structural Engineer in the State of California. The contractor should not proceed with any excavations until the project owner or his designated representative has received and acknowledged the properly prepared excavation safety drawings.

8.10 **Retaining Wall Recommendations:**

8.10.1 **Earth Pressures:** Retaining walls backfilled with non-expansive granular soil (EI=0) or very low expansive potential materials (Expansion Index of 20 or less) within a zone extending upward and away from the heel of the footing at a slope of 0.5:1 (horizontal to vertical) or flatter can be designed to resist the following static lateral soil pressures:

Condition	Level Backfill	2:1 Slope
Active	30 pcf	45 pcf
At Rest	60 pcf	--

Walls that are free to deflect 0.01 radian at the top may be designed for the above-recommended active condition. Walls that need to be restricted from such movement should be assumed rigid and designed for the at-rest condition. The above values assume well-drained backfill and no buildup of hydrostatic pressure. Surcharge loads, dead and/or live, acting on the backfill behind the wall or directly on the wall should also be considered in the design.

8.10.2 **Foundation Design:** Retaining wall footings should be founded to the same depths into properly compacted fill as standard foundations and may be designed for the same average allowable bearing value across the footing (as long as the resultant force is located in the middle one-third of the footing), and with the same allowable static lateral bearing pressure and allowable sliding resistance as previously recommended. When using the allowable lateral pressure and allowable sliding resistance, a factor of safety of 1.0 may be used. If ultimate values are used for design, an approximate factor of safety of 1.5 should be achieved.

8.10.3 **Subdrain:** A subdrain system should be constructed behind and at the base of all retaining walls to allow drainage and to prevent the buildup of excessive hydrostatic pressures. Typical subdrains may include weep holes with a continuous gravel gallery, perforated pipe

surrounded by filter rock, or some other approved system. Gravel galleries and/or filter rock, if not properly designed and graded for the on-site and/or import materials, should be enclosed in a geotextile fabric such as Mirafi 140N, Supac 4NP, or a suitable substitute in order to prevent infiltration of fines and clogging of the system. The perforated pipes should be at least 4.0-inches in diameter. Pipe perforations should be placed downward. Gravel filters should have volume of at least 1.0 cubic foot per lineal foot of pipe. Subdrains should maintain a positive flow gradient and have outlets that drain in a non-erosive manner. In the case of subdrains for basement walls, they need to empty into a sump provided with a submersible pump activated by a change in the water level.

8.10.4 **Backfill:** Backfill directly behind retaining walls (if backfill width is less than 3 feet) may consist of 0.5 to 0.75-inch diameter, rounded to subrounded gravel enclosed in a geotextile fabric such as Mirafi 140N, Supac 4NP, or a suitable substitute or a clean sand (Sand Equivalent Value greater than 50) water jetted into place to obtain proper compaction. If water jetting is used, the subdrain system should be in place. Even if water jetting is used, the sand should be densified to a minimum of 90 percent relative compaction. If the specified density is not obtained by water jetting, mechanical methods will be required. If other types of soil or gravel are used for backfill, mechanical compaction methods will be required to obtain a relative compaction of at least 90 percent of maximum dry density. Backfill directly behind retaining walls should not be compacted by wheel, track or other rolling by heavy construction equipment unless the wall is designed for the surcharge loading. If gravel, clean sand or other imported backfill is used behind retaining walls, the upper 18-inches of backfill in unpaved areas should consist of typical on-site material compacted to a minimum of 90 percent relative compaction in order to prevent the influx of surface runoff into the granular backfill and into the subdrain system. Maximum dry density and optimum moisture content for backfill materials should be determined in accordance with ASTM D 1557-02 procedures.

9.0 PLAN REVIEW

Grading and foundation plans for the proposed development should be provided for review by **EnGEN Corporation** to verify compatibility with site geotechnical conditions and conformance with the recommendations contained in this report. If **EnGEN Corporation** is not accorded the opportunity to make the recommended review, we will assume no responsibility for misinterpretation of the recommendations presented in this report.

10.0 PRE-BID CONFERENCE

It may be desirable to hold a pre-bid conference with the owner or an authorized representative, the Project Architect, the Project Civil Engineer, the Project Geotechnical Engineer, and the proposed contractors present. This conference will provide continuity in the bidding process and clarify questions relative to the grading and construction requirements of the project.

11.0 PRE-GRADING CONFERENCE

Before the start of grading, a conference should be held with the owner or an authorized representative, the contractor, the Project Architect, the Project Civil Engineer, and the Project Geotechnical Engineer present. The purpose of this meeting should be to clarify questions relating to the intent of the grading recommendations and to verify that the project specifications comply with the recommendations of this geotechnical engineering report. Any special grading procedures and/or difficulties proposed by the contractor can also be discussed at that time.

12.0 CONSTRUCTION OBSERVATIONS AND TESTING

Rough grading of the property should be performed under engineering observation and testing performed by **EnGEN Corporation.** Rough grading includes, but is not limited to, overexcavation cuts, fill placement, and excavation of temporary and permanent cut and fill slopes. In addition, **EnGEN Corporation** should observe all foundation excavations.

Observations should be made before installation of concrete forms and/or reinforcing steel to verify and/or modify the conclusions and recommendations in this report. Observations of overexcavation cuts, fill placement, finish grading, utility or other trench backfill, pavement subgrade and base course, retaining wall backfill, slab presaturation, or other earthwork completed for the subject development should be performed by **EnGEN Corporation.** If the observations and testing to verify site geotechnical conditions are not performed by **EnGEN Corporation**, liability for the performance of the development is limited to the actual portions of the project observed and/or tested by **EnGEN Corporation.** If parties other than **EnGEN Corporation** are engaged to perform soils and materials observations and testing, they must be notified that they will be required to assume complete responsibility for the geotechnical aspects of the project by concurring with the recommendations in this report or providing

altemative recommendations. Neither the presence of the Project Geotechnical Engineer and/or his field representative, nor the field observations and testing, shall excuse the contractor in any way for defects discovered in the contractor's work. The Project Geotechnical Engineer and/or his representative shall not be responsible for job or project safety. Job or project safety shall be the sole responsibility of the contractor.

13.0 CLOSURE

This report has been prepared for use by the parties or project named or described in this document. It may or may not contain sufficient information for other parties or purposes. In the event that changes in the assumed nature, design, or location of the proposed development as described in this report are planned, the conclusions and recommendations contained in this report will not be considered valid unless the changes are reviewed and the conclusions and recommendations of this report modified or verified in writing. This study was conducted in general accordance with the applicable standards of our profession and the accepted geotechnical engineering principles and practices at the time this report was prepared. No other warranty, implied or expressed beyond the representations of this report, is made. Although every effort has been made to obtain information regarding the geotechnical and subsurface conditions of the site, limitations exist with respect to the knowledge of unknown regional or localized off-site conditions which may have an impact at the site. The recommendations presented in this report are valid as of the date of the report. However, changes in the conditions of a property can occur with the passage of time, whether they are due to natural processes or to the works of man on this and/or adjacent properties.

If conditions are observed or information becomes available during the design and construction process which are not reflected in this report, **EnGEN Corporation** should be notified so that supplemental evaluations can be performed and the conclusions and recommendations presented in this report can be modified or verified in writing. This report is not intended for use as a bid document. Any person or company using this report for bidding or construction purposes should perform such independent studies and explorations as he deems necessary to satisfy himself as to the surface and subsurface conditions to be encountered and the procedures to be used in the performance of the work on this project. Changes in applicable or appropriate standards of care or practice occur, whether they result from legislation or the broadening of knowledge and experience. Accordingly, the

conclusions and recommendations presented in this report may be invalidated, wholly or in part, by changes outside the control of **EnGEN Corporation** which occur in the future.

Thank you for the opportunity to provide our services. If we can be of further service or you should have questions regarding this report, please contact this office at your convenience.

Respectfully submitted,
EnGEN Corporation

Eric Davisson, PG 8231
Senior Staff Geologist
Expires 02-28-09

Osbjorn Bratene, GE 162
President
Expires 09-30-07

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APPENDIX

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TABLE A

DISTANCE TO STATE DESIGNATED ACTIVE FAULTS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE Mi	(Km)	MAXIMUM EARTHQUAKE MAG (Mw)
San Jacinto – San Jacinto Valley	10.7	17.2	6.9
Elsinore (Temecula)	11.7	18.9	6.8
Elsinore (Glen Ivy)	12.1	19.4	6.8
San Jacinto – Anza	14.7	23.7	7.2
San Jacinto – San Bernardino	19.6	31.5	6.7
Chino – Central Avenue (Elsinore)	23.5	37.9	6.7
San Andreas – SB-Coach.	24.9	40.0	7.7
San Andreas – Whole	24.9	40.0	8.0
San Andreas – San Bernardino	24.9	40.0	7.5
San Andreas –SB-Coach.	24.9	40.0	7.7
Elsinore – Julian	26.6	42.8	7.1
Whittier	27.7	44.6	6.8
San Joaquin Hills	30.4	48.9	6.6
North Frontal Fault Zone (West)	33.7	54.2	7.2
Pinto Mountain	34.0	54.7	7.2
Cucamonga	34.2	55.0	6.9
Newport – Inglewood (Offshore)	35.6	57.3	7.1
Cleghorn	37.3	60.1	6.5
North Frontal Fault Zone (East)	39.3	63.2	6.7
San Jose	39.5	63.5	6.4
Puente Hills Blind Thrust	41.9	67.5	7.1
Sierra Madre	42.1	67.7	7.2
San Andreas – Coachella	42.3	68.1	7.2
San Andreas – 1857 Rupture	42.4	68.2	7.8
San Andreas – Cho Moj	42.4	68.2	7.8
San Andreas – Mojave	42.4	68.2	7.4
San Jacinto – Coyote Creek	42.9	69.0	6.6
Newport – Inglewood (L.A. Basin)	44.2	71.1	7.1
Rose Canyon	44.9	72.3	7.2
Burnt Mountain	47.0	75.6	6.5
Helendale – South Lockhardt	47.0	75.7	7.3
Eureka Peak	50.1	80.7	6.4
Earthquake Valley	51.3	82.6	6.5
Clamshell - Sawpit	51.9	83.6	6.5
Landers	51.9	83.5	7.3

TABLE A

DISTANCE TO STATE DESIGNATED ACTIVE FAULTS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE Mi	(Km)	MAXIMUM EARTHQUAKE MAG (Mw)
Coronado Bank	54.1	87.1	7.6
Palos Verdes	54.1	87.1	7.0
Raymond	55.4	89.1	6.5

SEISMIC SETTLEMENT OF DRY SANDS

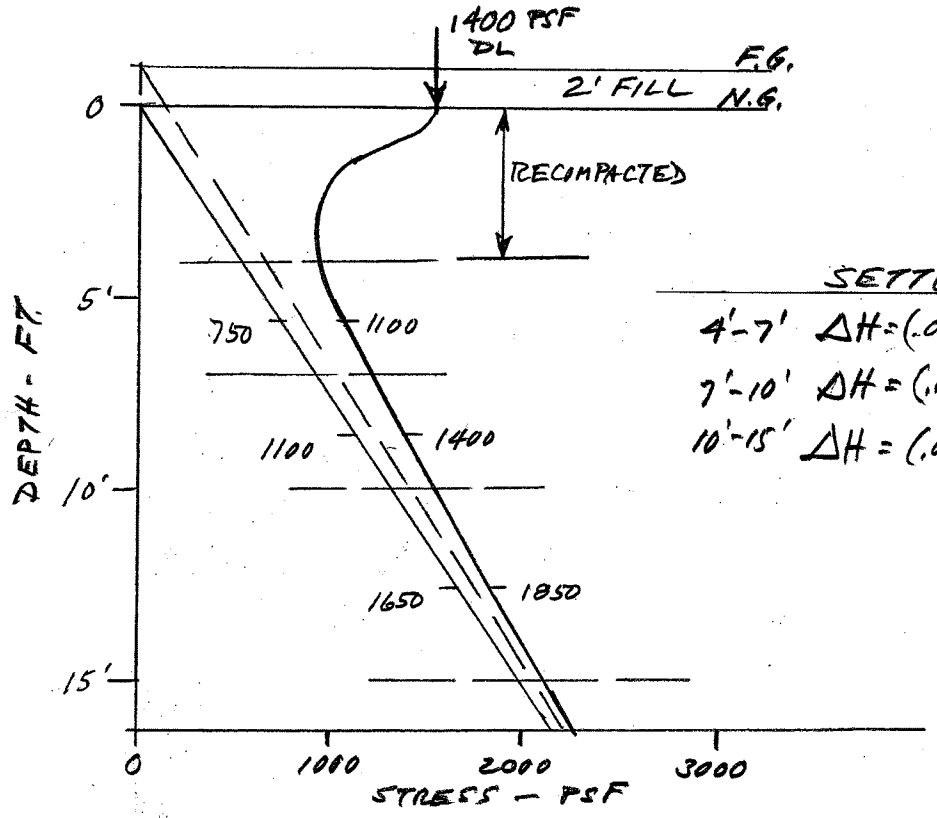
Layer	Depth	Thickness FT	σ_o (tsf)	σ_m (tsf)	N_1	$(N_1)_{60}$	G_{max} (tsf)	$\gamma_{eff} \frac{G_{eff}}{G_{max}}$	γ_{eff}	γ_{eff} (%)	ε_c M=7.5	ε_c M=6.8	ε_c (multi direction al)	Δ H inches
1	4-9	5 (Alluvium)	.4225	.2746	65	94.25	23.848	.0001752	.0005	.05	.0015	.001275	.00255	0.00
2	9-14	5 (Alluvium)	.7475	.4859	78	87.36	30.930	.0002342	.0008	.08	0.002	.0017	.0034	0.01
3	14-20	6 (Alluvium)	1.1055	.7186	48	44.16	29.963	.0003389	.001	.10	0.025	.02125	.0425	0.03

$$\Delta H = \frac{\varepsilon_c (H)}{100} = 0.04"$$

POTENTIAL SETTLEMENT DUE TO STATIC LOADING

Assumptions: q_{allow} = 2000 psf
q_{DL} = 1400 psf

FTG: 24" Wide
2' Fill



$$\Delta H = \frac{C_r}{1+e_o} H \log\left(\frac{\sigma_f}{\sigma_o}\right)$$

SETTLEMENT CALC.

4'-7' $\Delta H = (.00507)(36)\log\left(\frac{1100}{750}\right) = 0.03"$

7'-10' $\Delta H = (.00768)(36)\log\left(\frac{1400}{1100}\right) = 0.03$

10'-15' $\Delta H = (.00768)(60)\log\left(\frac{1852}{1650}\right) = 0.03$

$\Delta H = 0.09"$

GEOTECHNICAL BORING LOGS

GEOTECHNICAL BORING LOG

Project Number: M3643-GS
Boring Number: B1
Date: 4/24/07

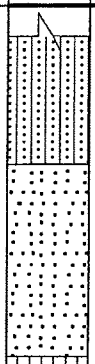
Project: Motte Industrial
Surface Elevation: 1441 (approx)
Logged By: ED

Elevation	Soil Graphic	Description	Sampler	Sample Depth	USCS	Blow Count	Dry Density	In-Situ Moisture Content	Maximum Density	Optimum Moisture Content
1441		ALLUVIUM (Qal)		0						
1438.5		Silty fine- to medium-grained sand with a few clay, strong brown (7.5YR 5/6), moist, very dense.			SM	26-50/4	114.3	13.6		
1436		Silty fine- to medium-grained sand, light olive brown (2.5Y 5/4), moist, very dense.		5	SM	26-50/5	130.0	9.6	128.6	11.0
1433.5		Silty fine- to medium-grained sand, light olive brown (2.5Y 5/4), moist, very dense.			SM	22-50/6	116.0	13.5		
1431		Silty fine- to medium-grained sand, light yellowish brown (2.5Y 6/4), moist, very dense.		10	SM	20-50/6	123.0	11.9		
1426		Silty fine- to medium-grained sand, light yellowish brown (2.5Y 6/4), moist-wet, very dense		15	SM	17-28-50/5				
1424.5		Clayey silt, olive gray (5Y 5/2), moist, hard.			ML		107.5	20.1		
1421		Silty fine-grained, light olive brown (2.5Y 5/4),moist, very dense.		20	SM	14-37-50/5	118.3	10.2		
1416		Fine- to medium-grained sand, yellow (10YR 7/6), moist, very dense.		25	SP	12-28-44	103.9	4.1		
1411		Fine- to medium-grained sand, yellow (10YR 7/6), moist, very dense.		30	SP	11-32-50/4	119.8	3.1		
1406		Silty fine- to medium-grained sand, light olive brown (2.5Y 7/4), moist, very dense.		35	SM	35-50/2	111.8	9.9		

Notes: Location: 145' N of S by 217' E of W

GEOTECHNICAL BORING LOG

Project Number: M3643-GS
Project: Motte Industrial
Boring Number: B1
Surface Elevation: 1441 (approx)
Date: 4/24/07
Logged By: ED

Elevation	Soil Graphic	Description	Sampler	Sample Depth	USCS	Blow Count	Dry Density	In-Situ Moisture Content	Maximum Density	Optimum Moisture Content
1401		Fine- to medium-grained sand, pale yellow (2.5Y 7/4), moist, very dense.		40	SP	20-50/6	115.1	4.4		
1396		Fine sandy silt, olive brown (2.5Y 4/4), moist, very dense.		45	ML	13-50/6	108.2	18.6		
1391		Fine sandy silt, olive brown (2.5Y 4/4), moist, very dense.		50	ML	15-50/5	118.1	14.5		
1389.5		No Groundwater Encountered. Total Depth 51.5-feet bgs.		55						
				60						
				65						
				70						

Notes: Location: 145' N of S by 217' E of W

EnGEN Corporation

GEOTECHNICAL BORING LOG

Project Number: M3643-GS
Project: Motte Industrial
Boring Number: B2
Surface Elevation: 1440.5 (approx)
Date: 4/24/07
Logged By: ED

Elevation	Soil Graphic	Description	Sampler	Sample Depth	USCS	Blow Count	Dry Density	In-Situ Moisture Content	Maximum Density	Optimum Moisture Content
1440.5		ALLUVIUM (Qal)		0						
1438		Fine-grained sandy silt, yellowish brown (10YR 5/3), moist, very hard.			ML	50/5	100.4	10.4		
1435.5		Silty fine- to medium-grained sand, olive (5Y 5/3), moist, very dense.		5	SM	29-50/4	126.8	8.3		
1433		Light olive brown (2.5Y 5/4).			SM	37-50/4	121.5	11.8		
1430.5		Fine sandy silt, light olive brown (2.5Y 5/4), moist, very hard.		10	ML	16-35-46	112.9	15.9		
1425.5		Silty fine- to medium- sand, olive (5Y 5/3), moist, very dense.		15	SM	13-41-50/4	120.5	12.5		
1424		No Groundwater Encountered. Total Depth 16.5-feet bgs.		20						
				25						
				30						
				35						

Notes: 112' South of North P.L. by 145' East of W. P.L.

EnGEN Corporation

GEOTECHNICAL BORING LOG

Project Number: M3643-GS
Project: Motte Industrial
Boring Number: B3
Surface Elevation: 1442 (approx)
Date: 4/24/07
Logged By: ED

Elevation	Soil Graphic	Description	Sampler	Sample Depth	USCS	Blow Count	Dry Density	In-Situ Moisture Content	Maximum Density	Optimum Moisture Content
1442		ALLUVIUM (Qal)		0						
1439.5		Clayey fine- to medium-grained sand, olive brown (2.5Y 4/3), moist , very dense.			SC	8-50/5	114.4	11.1		
1437		Silty fine- to medium-grained sand, olive (5Y 4/3), moist, very dense.		5	SM	30-50/3	115.8	9.5		
1434.5		Silty fine- to medium-grained sand, olive (5Y 4/3), moist, very dense.			SM	32-50/6	120.0	12.7		
1432		Silty fine-grained sand with few clay, light olive brown (2.5Y 5/4), moist, very dense.		10	SM	26-50/4	118.1	14.9		
1427		Fine sandy silt, light olive brown (2.5Y 5/4), moist, hard.		15	ML	9-39-50/4	114.4	14.2		
1425.5		Total depth 16.5-feet bgs. No Groundwater Encountered.		20						
				25						
				30						
				35						

Notes: 135' N of S PL by 118' W of E PL, Surface covery of wood ships less that 6-inches.

EnGEN Corporation

GEOTECHNICAL BORING LOG

Project Number: M3643-GS
Boring Number: B4
Date: 4/24/07

Project: Motte Industrial
Surface Elevation: 1442.5 (approx)
Logged By: ED

Elevation	Soil Graphic	Description	Sampler	Sample Depth	USCS	Blow Count	Dry Density	In-Situ Moisture Content	Maximum Density	Optimum Moisture Content
1442.5		ALLUVIUM (Qal)		0						
1440		Silty fine- to medium-grained sand, light olive brown (2.5Y 5/4), moist, very dense.			SM	17-26-26		7.8	131.5	9.2
1437.5		Silty fine- to medium-grained sand, light olive brown (2.5Y 5/4), moist, very dense.		5	SM	8-27-38		11.2		
1435		Fine sandy silt, light olive brown (2.5Y 5/6), moist, very hard.			SM	11-32-50/6		12.3		
1432.5				10	SM	8-32-46		14.6		
1427.5		Fine sandy silt, light olive brown (2.5Y 5/4), moist, hard.		15	ML	9-20-28				
1426		Total Depth 16.5-feet bgs. No Groundwater Encountered.		20						
				25						
				30						
				35						

Notes: 75' by 75' inside of NE Corner of site.

EnGEN Corporation

KEY TO SYMBOLS

Symbol Description

Strata symbols



Sandy Silt or Clayey Silt



Silty sand



Clayey sand

Soil Samplers



California Sampler



Standard penetration test

Notes:

1. Exploratory borings were drilled on 04/24/07 using a 7-inch diameter continuous flight power auger.

2. Groundwater was not encountered at the time of drilling.

3. Boring locations were measured from existing features and elevations extrapolated from the final design plan.

4. These logs are subject to the limitations, conclusions, and recommendations in this report.

5. Results of tests conducted on samples recovered are reported on the logs.

LABORATORY TEST RESULTS

MAXIMUM DENSITY / OPTIMUM MOISTURE TEST REPORT



Test specification: ASTM D 1557-02 Method A Modified

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
	SM		6.9					

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 131.5 pcf Optimum moisture = 9.2 %	SILTY SAND, BROWN

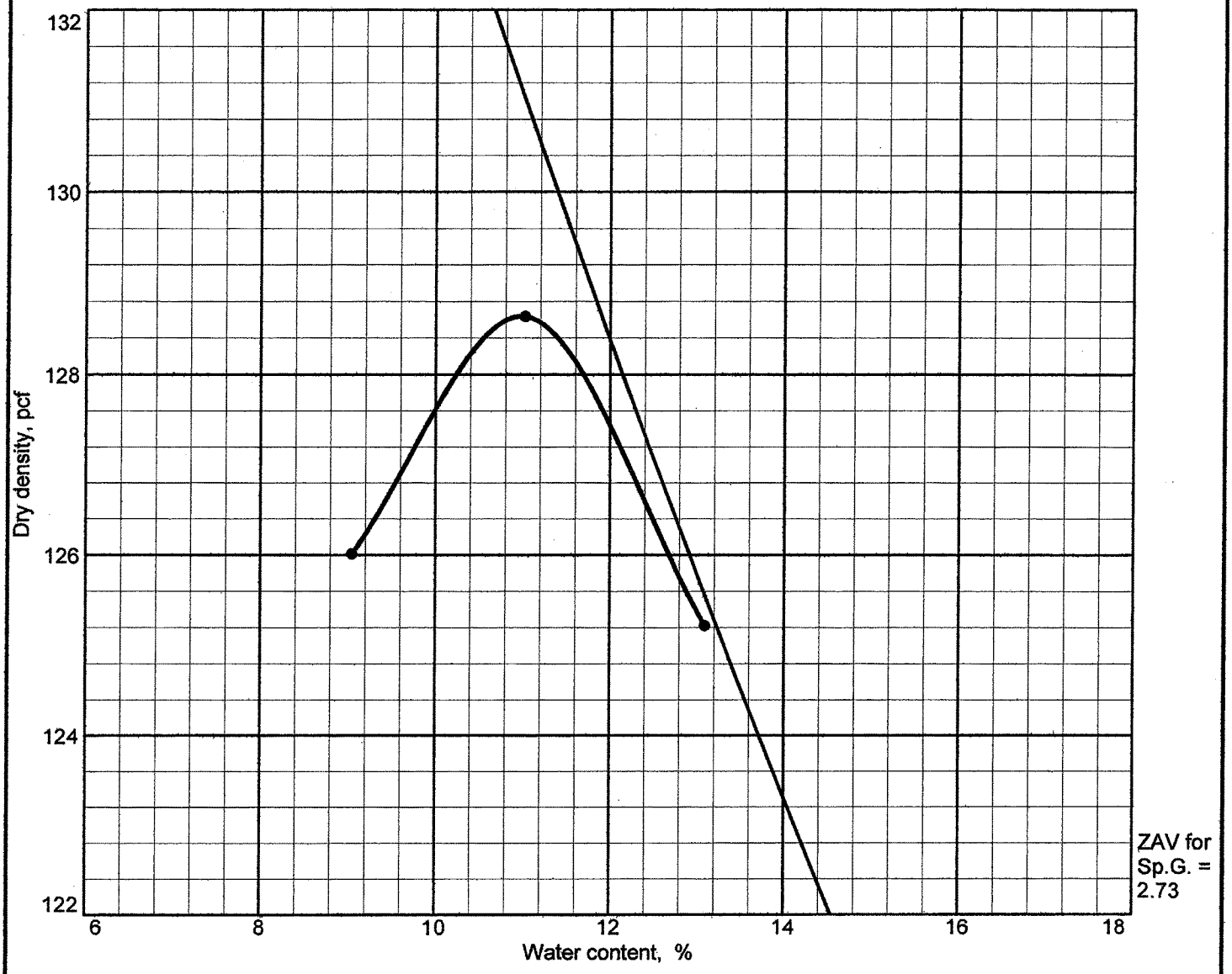
Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC
Project: MOTTE INDUSTRIAL
● **Location:** ANTELOPE ROAD

Remarks:
SAMPLE # B4 @ 0-4
COLLECTED BY ED
COLLECTED ON (4/24/07)

MAXIMUM DENSITY / OPTIMUM MOISTURE TEST REPORT
ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

OPTIMUM MOISTURE/MAXIMUM DENSITY TEST REPORT



Test specification: ASTM D 1557-02 Method A Modified

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
	SM		9.0					

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 128.6 pcf Optimum moisture = 11.0 %	SILTY SAND, BROWN

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

• **Location:** ANTELOPE ROAD

Remarks:

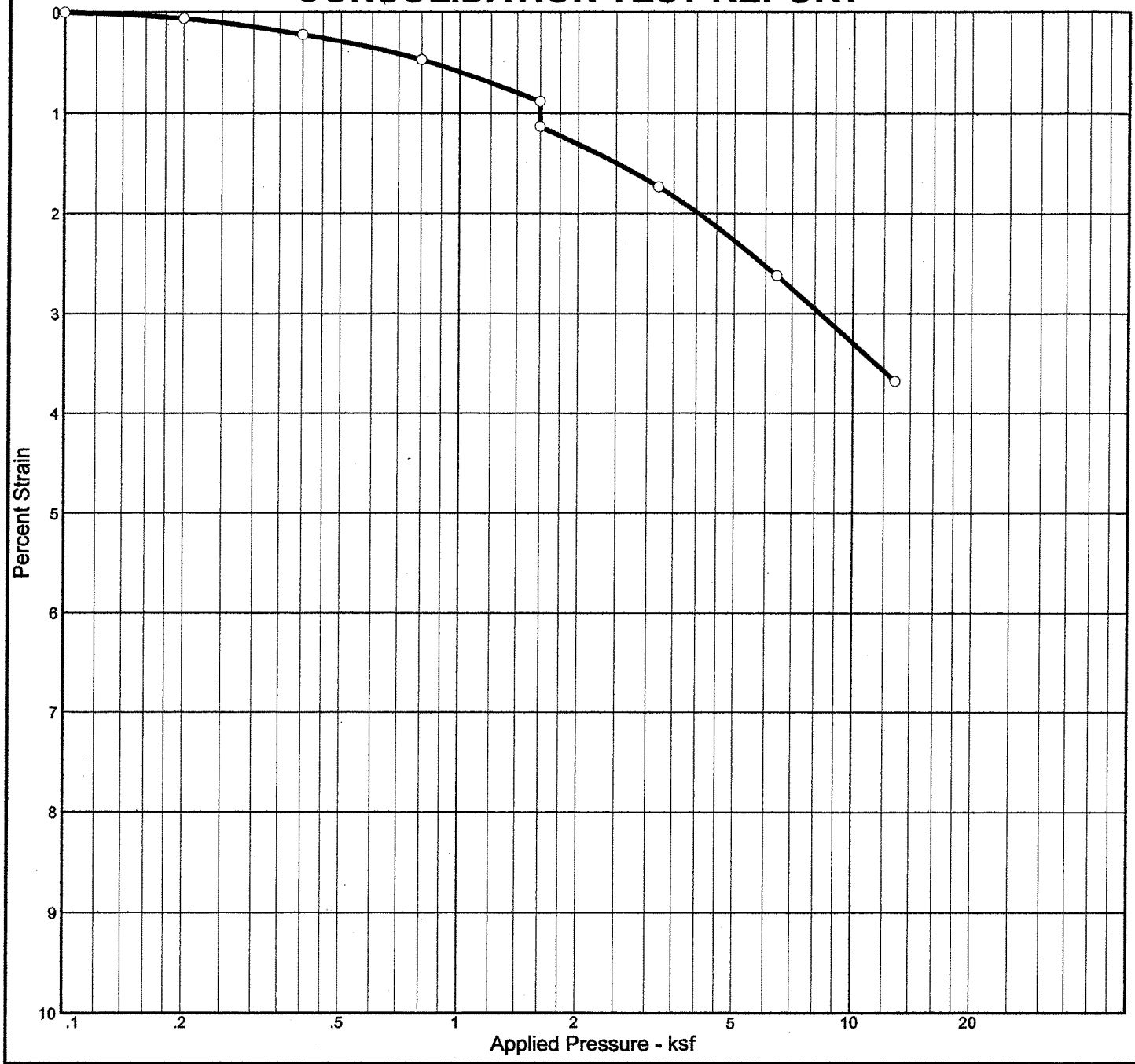
SAMPLE # B1 @ 0-5
COLLECTED BY ED
COLLECTED ON (4/24/07)

OPTIMUM MOISTURE/MAXIMUM DENSITY TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
80.5 %	13.6 %	114.4			2.65		3.86	0.05			0.2	0.446

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B1 @ 2.5

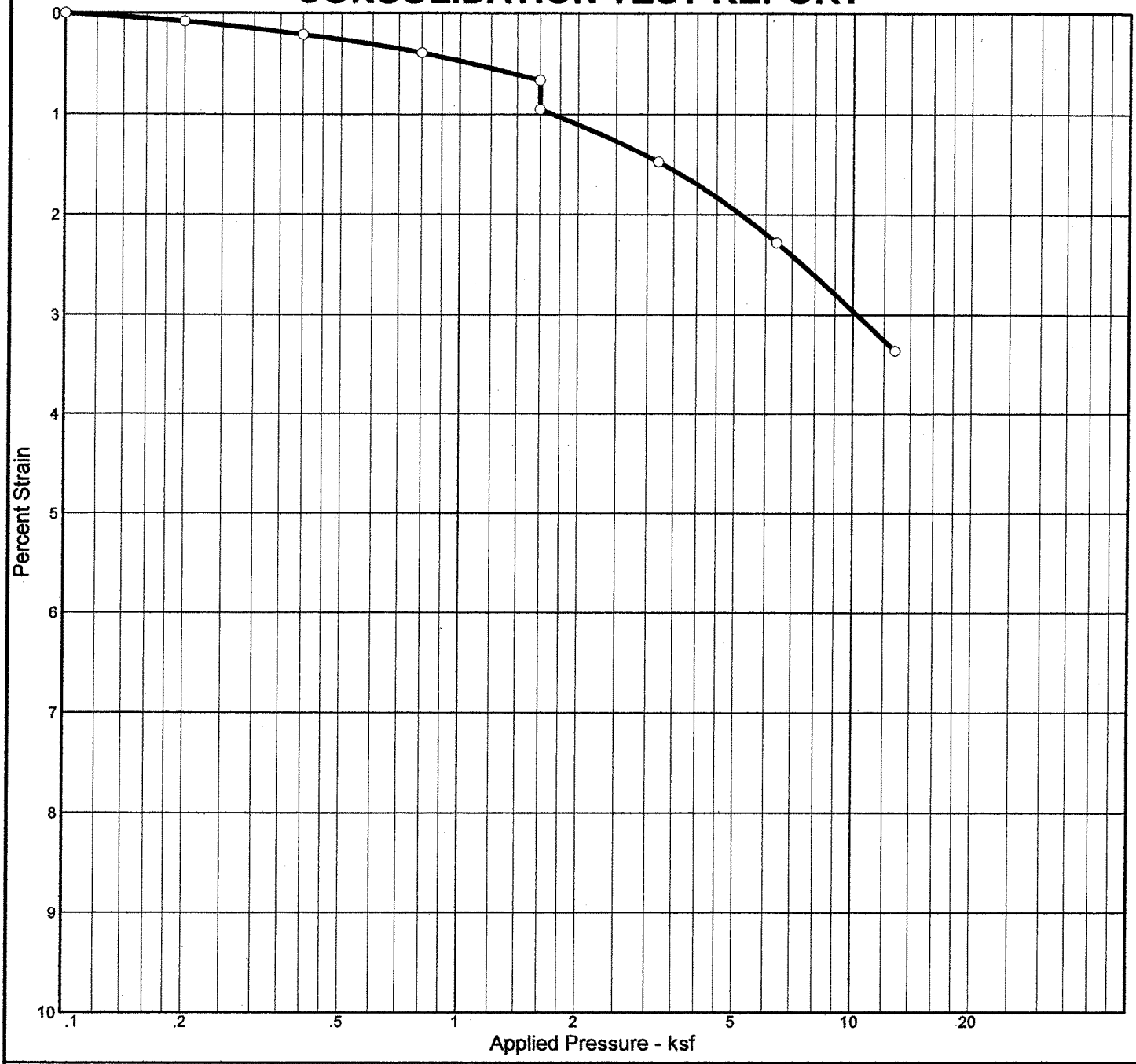
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
93.4 %	9.6 %	129.9			2.65		4.22	0.05			0.3	0.273

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B1 @ 5

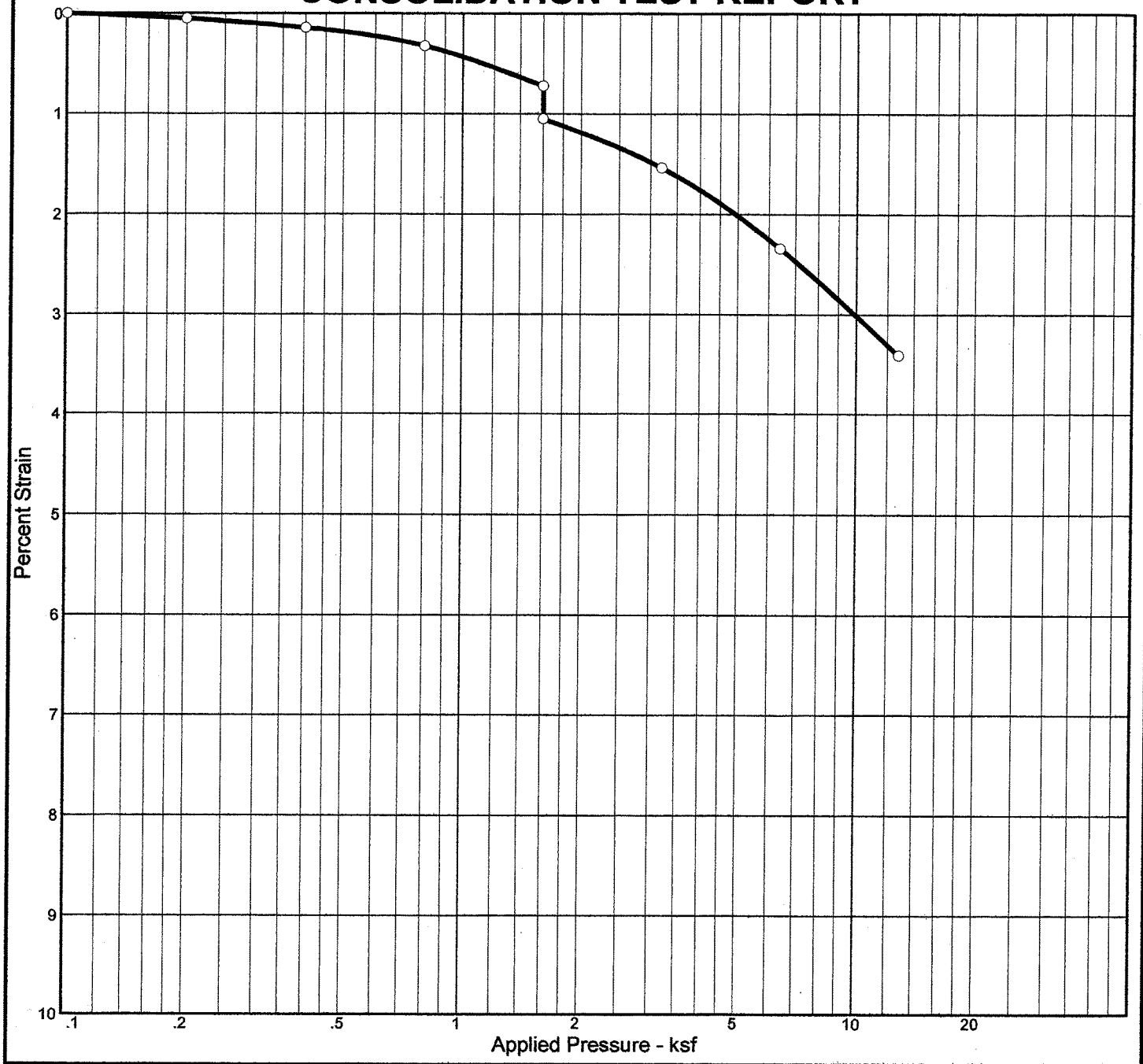
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
84.0 %	13.5 %	116.1			2.65		2.03	0.05			0.3	0.425

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY FINE SAND, YELLOW BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B1 @ 7.5

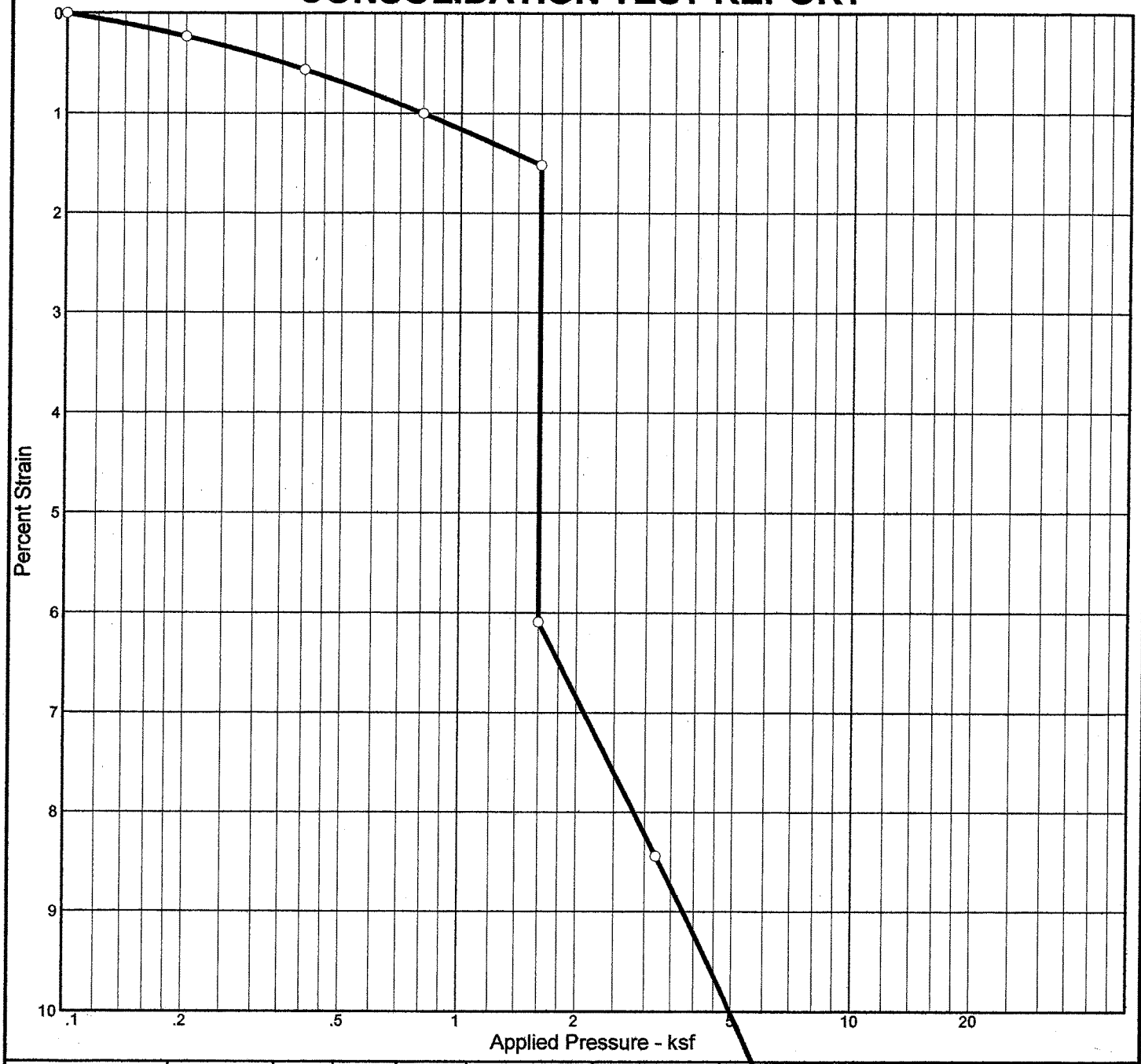
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural Sat.	Natural Moist.	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
42.4 %	10.4 %	100.5			2.65		6.56	0.17			4.6	0.647

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B2 @ 2.5

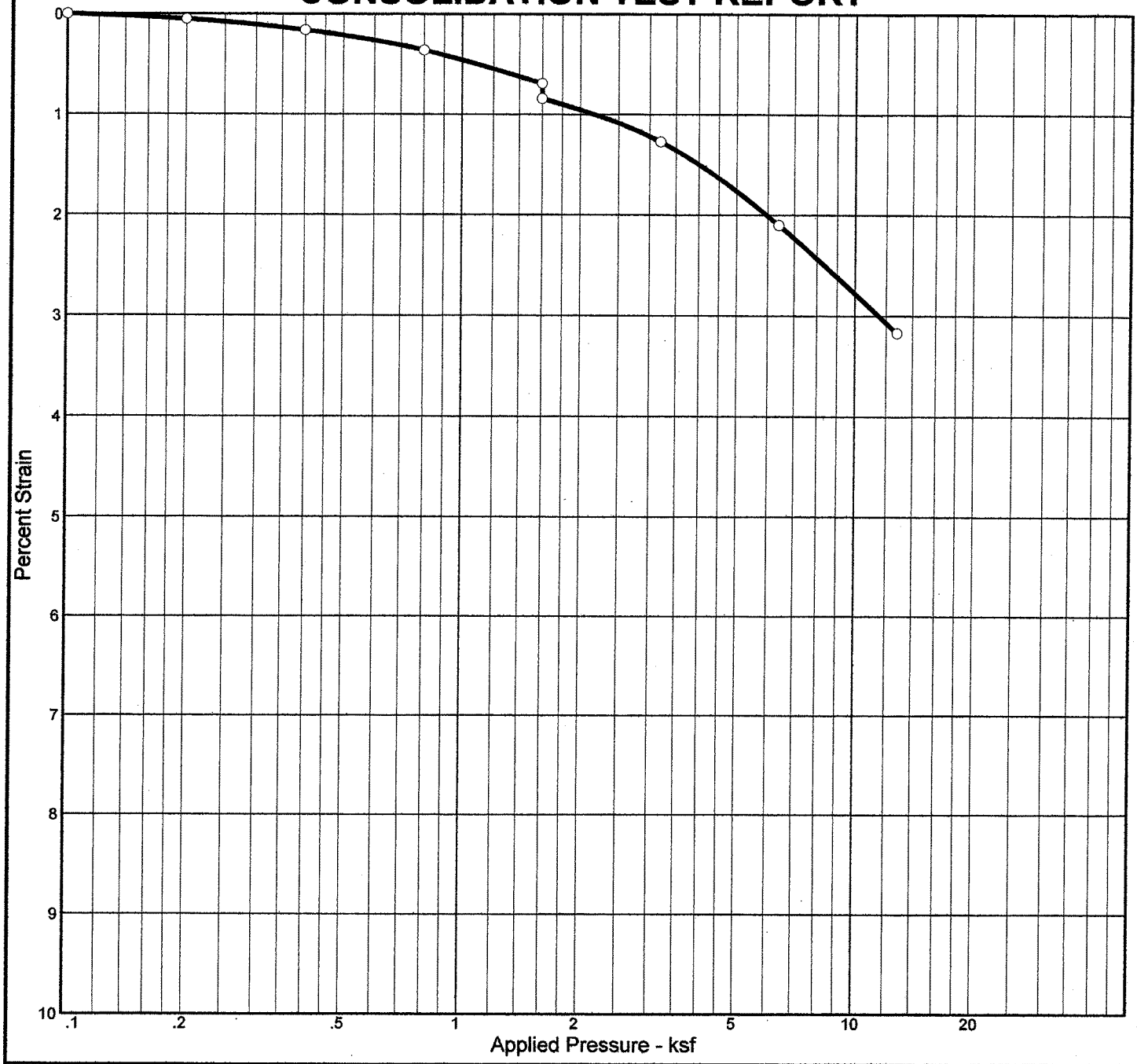
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
72.4 %	8.3 %	127.0			2.65		4.07	0.05			0.1	0.302

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B2 @ 5

CONSOLIDATION TEST REPORT

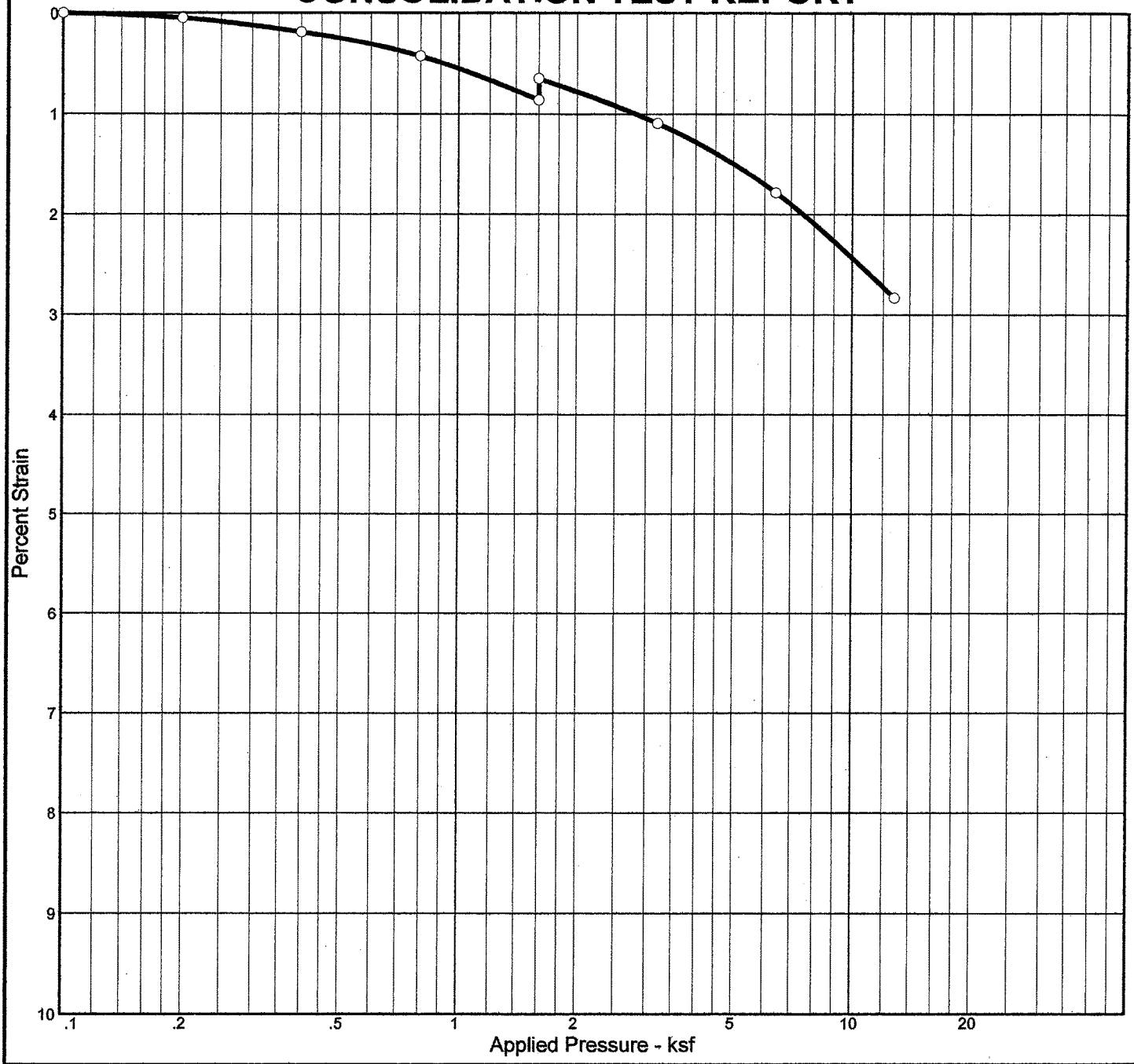
ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Remarks:

COLLECTED BY ED
COLLECTED ON (4/24/07)

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Swell %	e_o
Sat.	Moist.											
86.4 %	11.8 %	121.6			2.65		3.45	0.05		2.28	0.2	0.361

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B2 @ 7.5

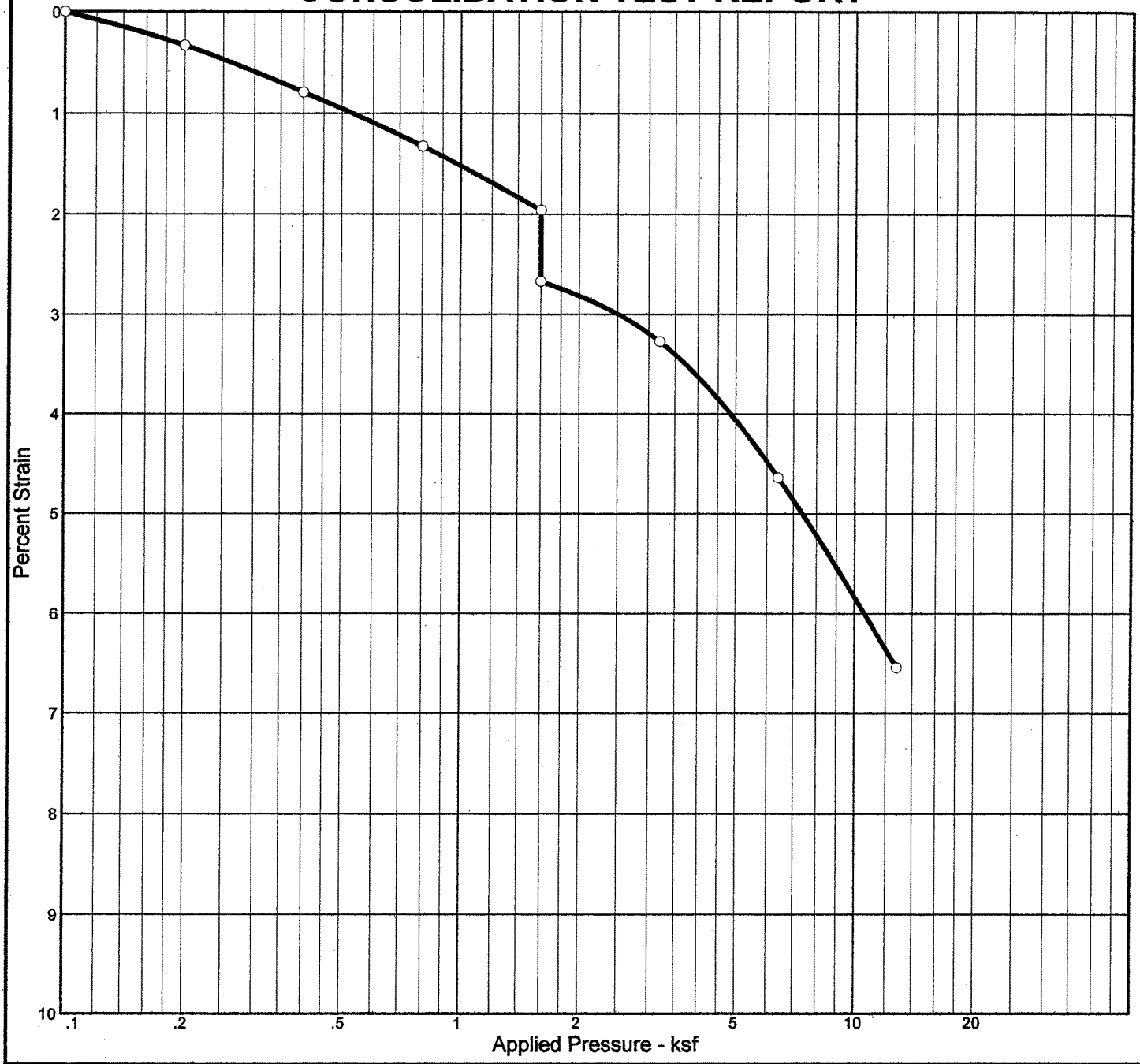
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
66.0 %	11.1 %	114.3			2.65		4.26	0.09			0.7	0.447

MATERIAL DESCRIPTION	USCS	AASHTO
CLAYEY SAND, BROWN	SC	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B3 @ 2.5

Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
58.9 %	9.5 %	115.8			2.65		1.47	0.06			0.4	0.429

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B3 @ 5

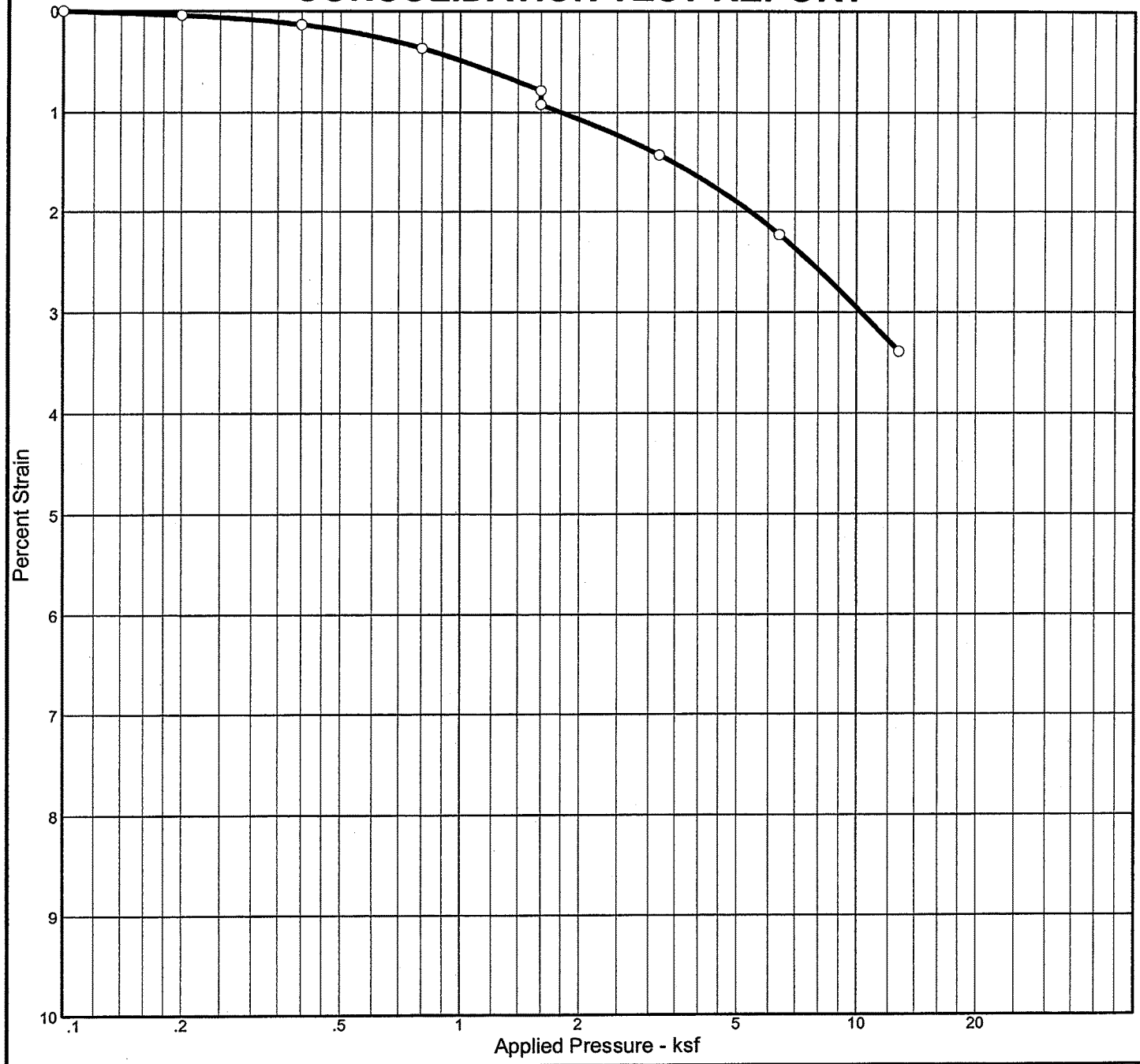
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
88.8 %	12.7 %	120.0			2.65		2.58	0.05			0.1	0.379

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B3 @ 7.5

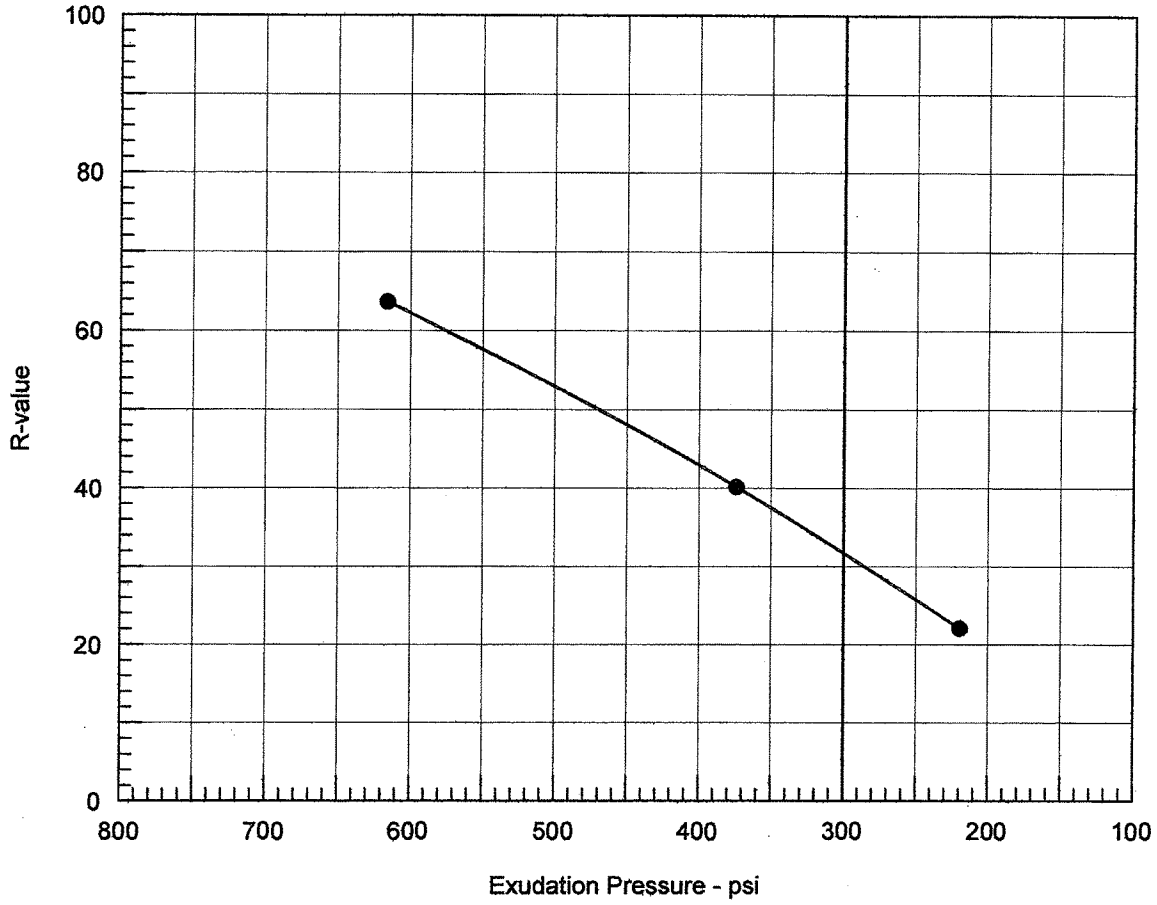
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

R-VALUE TEST REPORT



Resistance R-Value and Expansion Pressure - Cal Test 301

No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height in.	Exud. Pressure psi	R Value	R Value Corr.
1	175	124.7	12.8	5.76	117	2.52	220	22	22
2	300	128.0	11.5	15.46	88	2.48	374	40	40
3	350	128.4	10.9	24.25	52	2.49	616	64	64

Test Results	Material Description
R-value at 300 psi exudation pressure = 32	SILTY SAND, BROWN

Project No.: M3643-GS
Project:MOTTE INDUSTRIAL
Source of Sample: R-VALUE
Sample Number: B1 @ 0-5
Date: 4/26/2007

Tested by: JH
Checked by: JH

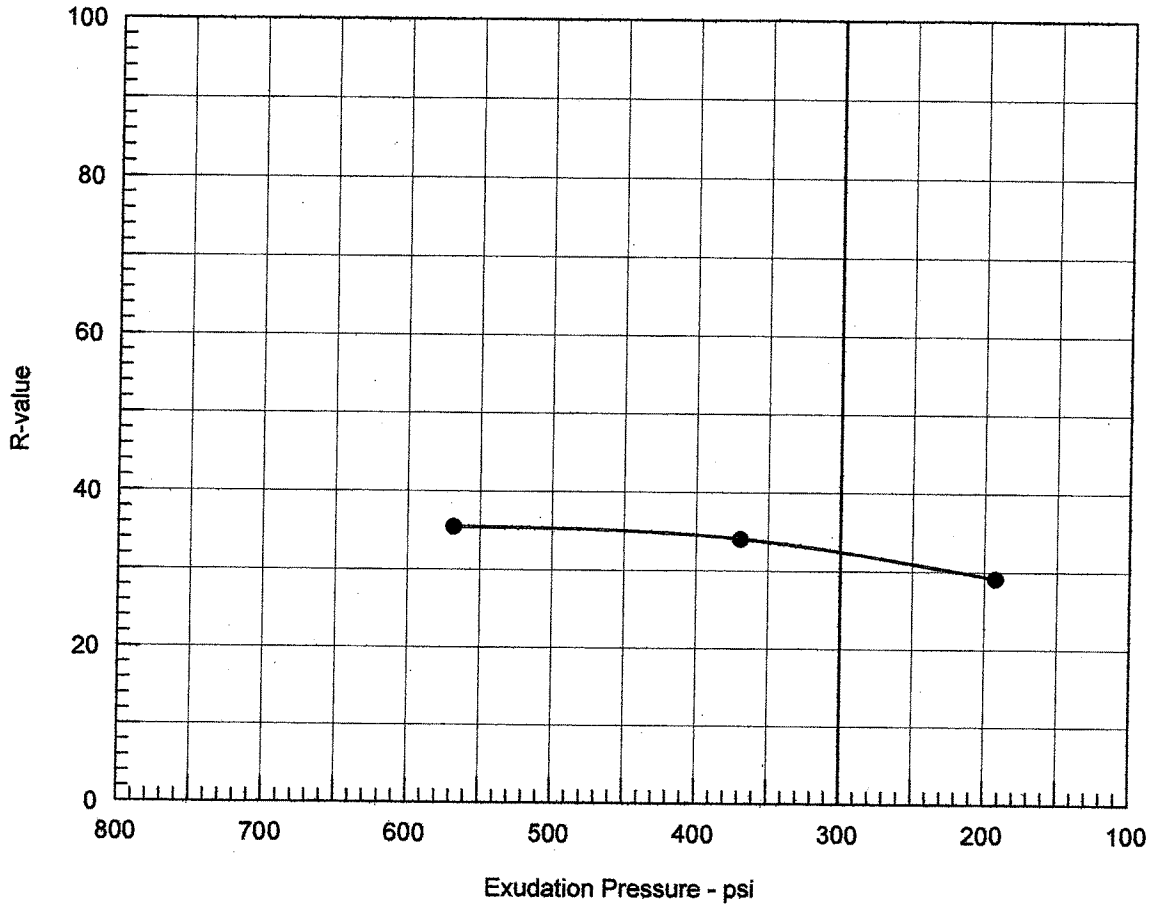
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

R-VALUE TEST REPORT

EnGEN Corporation

Figure 1

R-VALUE TEST REPORT



Resistance R-Value and Expansion Pressure - Cal Test 301

No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height In.	Exud. Pressure psi	R Value	R Value Corr.
1	350	118.9	9.3	51.54	80	2.46	568	35	35
2	350	124.9	10.4	30.62	84	2.45	369	34	34
3	325	128.0	11.4	14.55	100	2.44	193	30	29

Test Results	Material Description
R-value at 300 psi exudation pressure = 32	SILTY SAND, BROWN

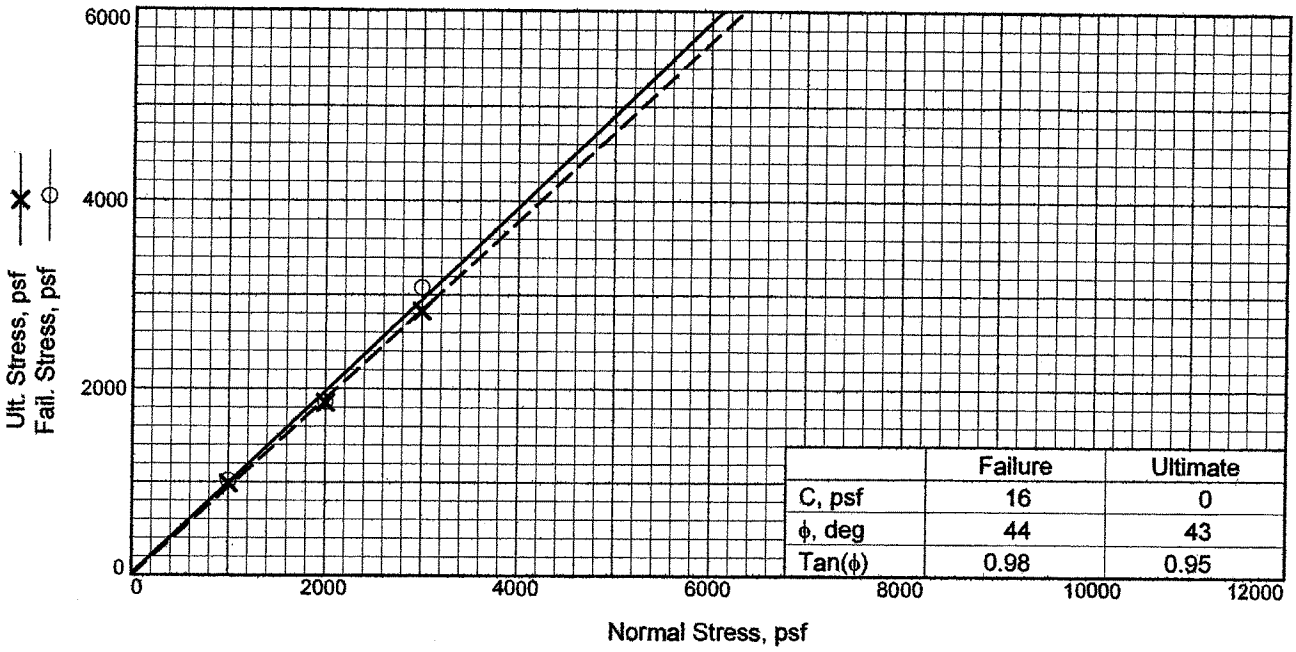
Project No.: M3643-GS
Project:MOTTE INDUSTRIAL
Source of Sample: R-VALUE
Sample Number: B4 @ 0-5
Date: 4/30/2007

Tested by: SW
Checked by: JH
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

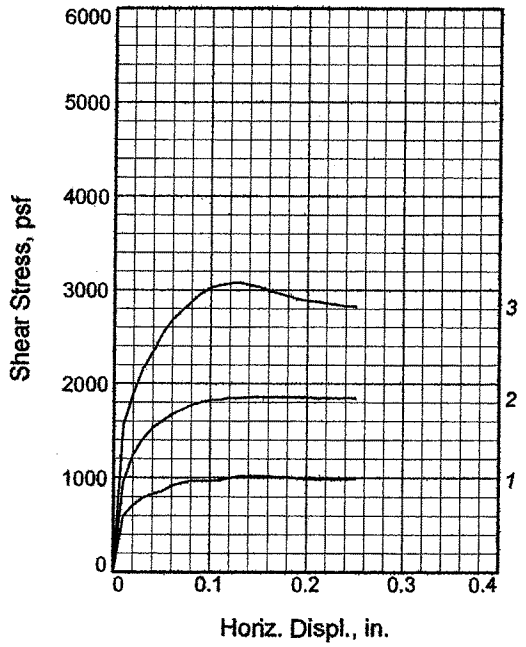
R-VALUE TEST REPORT

EnGEN Corporation

Figure 1



	Failure	Ultimate
C, psf	16	0
ϕ, deg	44	43
Tan(ϕ)	0.98	0.95



Sample No.		1	2	3
Initial	Water Content, %	10.0	N/A	N/A
	Dry Density, pcf	118.2	N/A	N/A
	Saturation, %	64.6	N/A	N/A
	Void Ratio	0.4153	N/A	N/A
	Diameter, in.	2.42	2.42	2.42
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf			
	Saturation, %			
	Void Ratio			
	Diameter, in.			
	Height, in.			
Normal Stress, psf		1000	2000	3000
Fail. Stress, psf		1017	1858	3081
Displacement, in.		0.13	0.14	0.13
Ult. Stress, psf		988	1849	2827
Displacement, in.		0.20	0.21	0.24
Strain rate, in./min.		0.20	0.20	0.20

Sample Type: REMOLDED
Description: SILTY SAND, BROWN

LL= **PL=** **PI=**
Specific Gravity= 2.68
Remarks: COLLECTED BY ED
COLLECTED ON (4/24/07)

Figure _____

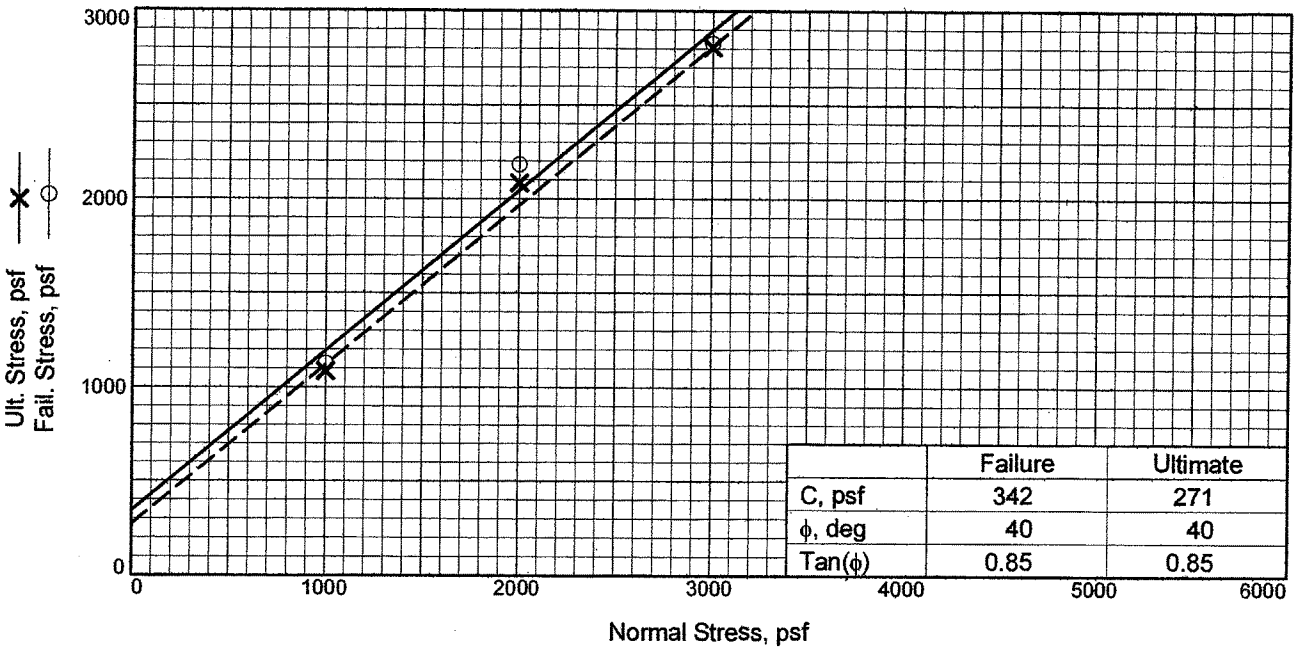
Client: MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

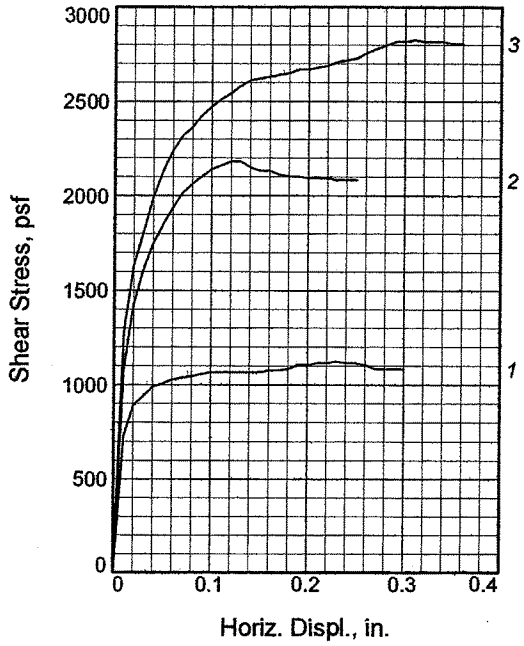
Source of Sample: SHEAR
Sample Number: B4 @ 0-5
Proj. No.: M3643-GS **Date:** 4/30/07

DIRECT SHEAR TEST REPORT
ENVIRONMENTAL AND GEOTECHNICAL
ENGINEERING NETWORK CORPORATION

Tested By: AS **Checked By:** JH



	Failure	Ultimate
C, psf	342	271
ϕ, deg	40	40
Tan(ϕ)	0.85	0.85



Sample No.		1	2	3
Initial	Water Content, %	11.7	11.7	11.7
	Dry Density, pcf	115.6	115.6	115.6
	Saturation, %	67.1	67.1	67.1
	Void Ratio	0.4745	0.4745	0.4745
	Diameter, in.	2.42	2.42	2.42
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf			
	Saturation, %			
	Void Ratio			
	Diameter, in.			
	Height, in.			
Normal Stress, psf		1000	2000	3000
Fail. Stress, psf		1125	2181	2827
Displacement, in.		0.23	0.12	0.31
Ult. Stress, psf		1086	2083	2807
Displacement, in.		0.27	0.23	0.35
Strain rate, in./min.		0.20	0.20	0.20

Sample Type: REMOLDED
Description: SILTY SAND, BROWN

LL= **PL=** **PI=**
Specific Gravity= 2.73
Remarks: COLLECTED BY ED
COLLECTED ON (4/24/07)

Figure _____

Client: MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source of Sample: SHEAR
Sample Number: B1 @ 0-5
Proj. No.: M3643-GS **Date:** 4/26/07

DIRECT SHEAR TEST REPORT
ENVIRONMENTAL AND GEOTECHNICAL
ENGINEERING NETWORK CORPORATION

Tested By: AS **Checked By:** JH

UBC Laboratory Expansion Test Results

4/26/2007

Job Number: M3643-GS
Job Name: MOTTE INDUSTRIAL
Location: ANTELOPE ROAD
Sample Source: B3 @ 0-5
Sampled by: ED (4/24/07)
Lab Technician: AS
Sample Descr: SILTY SAND, BROWN

Wet Compacted Wt.:	620.2
Ring Wt.:	199.1
Net Wet Wt.:	421.1
Wet Density:	127.2
Wet Soil:	200.0
Dry Soil:	182.5
Initial Moisture (%):	9.6%
Initial Dry Density:	116.0
% Saturation:	57.3%
Final Wt. & Ring Wt.:	645.1
Net Final Wt.:	446.0
Dry Wt.:	384.3
Loss:	61.7
Net Dry Wt.:	380.7
Final Density:	115.0
Saturated Moisture:	16.2%

	Dial	Change	Time
Reading 1:	0.100	N/A	12:00
Reading 2:	0.100	0.000	12:15
Reading 3:	0.103	0.003	12:30
Reading 4:	0.104	0.004	26-Apr

Expansion Index:	4
Adjusted Index:	7.1
(UBC 18-2)	

EnGEN Corporation
25759 Jefferson Avenue, Murrieta, CA
92562
(951) 834-9000
Fax: (951) 834-9001

Prime Testing, Inc.
38372 Innovation Ct Ste 102 Murrieta, CA 92563
ph (951) 894-2682 • fx (951) 894-2683

Client: EnGEN Corporation
Report Date: May 2, 2007
Client No: A02
Work Order: 7D4
Project No: M3643-GS [P.O. #3286]
Project Name: Motte Industrial

Laboratory Test(s) Results Summary

The subject soil sample was processed in accordance with California Test Method CTM 643 and tested for pH / Minimum Resistivity (CTM 643), Sulfate Content (CTM 417) and Chloride Content (CTM 422). The test results follow:

Client Data			pH	Minimum Resistivity (ohm-cm)	Sulfate Content (mg/kg)	Sulfate Content (% by wgt)	Chloride Content (ppm)
Sample No.	Sample Location	Depth (ft)					
–	B-1	0-5	7.9	1,000	260	0.026	40

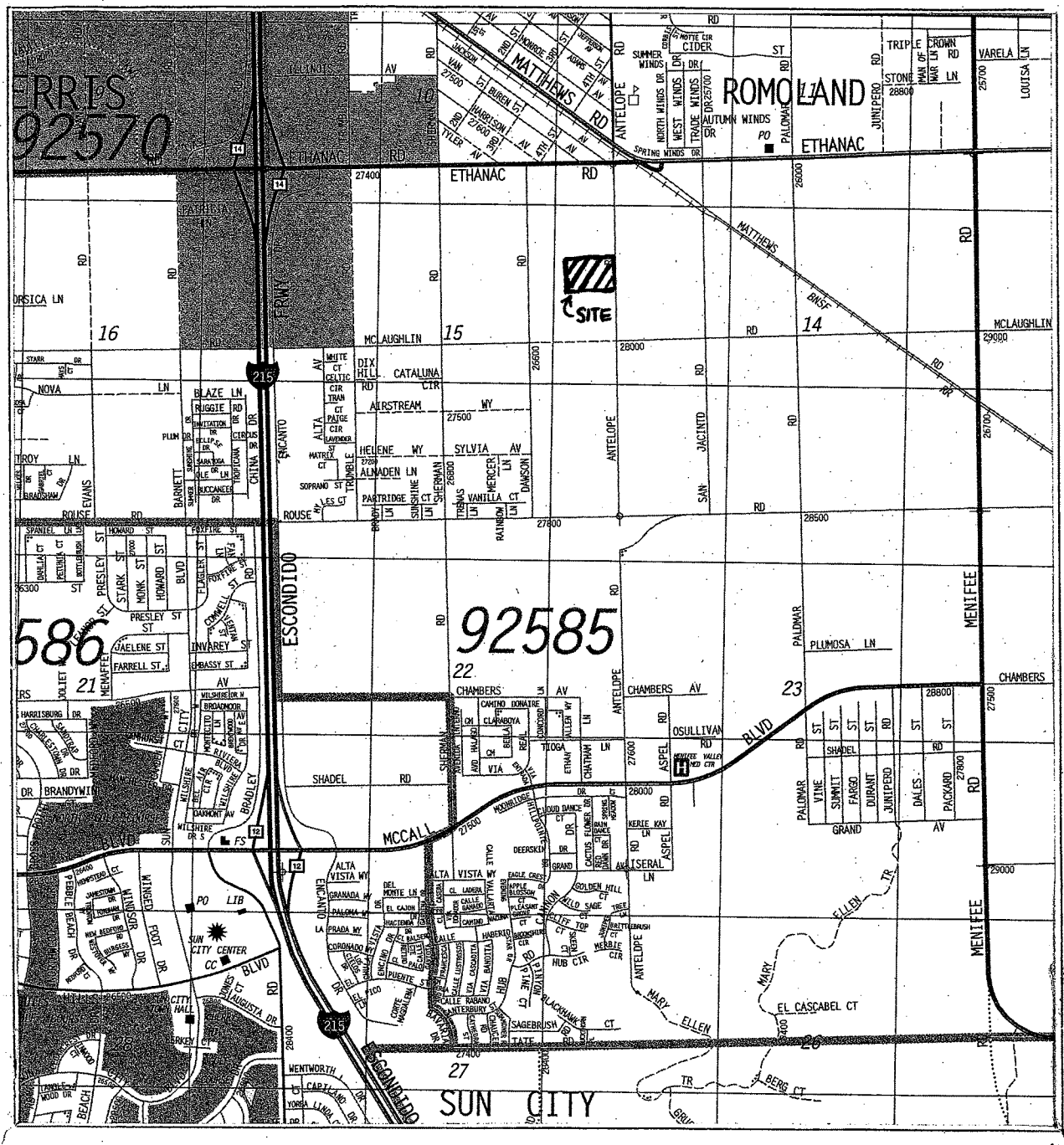
*ND=No Detection

We appreciate the opportunity to serve you. Please do not hesitate to contact us with any questions or clarifications regarding these results or procedures.

Ahmet K. Kaya, Laboratory Manager

ASTM INTERNATIONAL ORGANIZATIONAL MEMBER

DRAWINGS

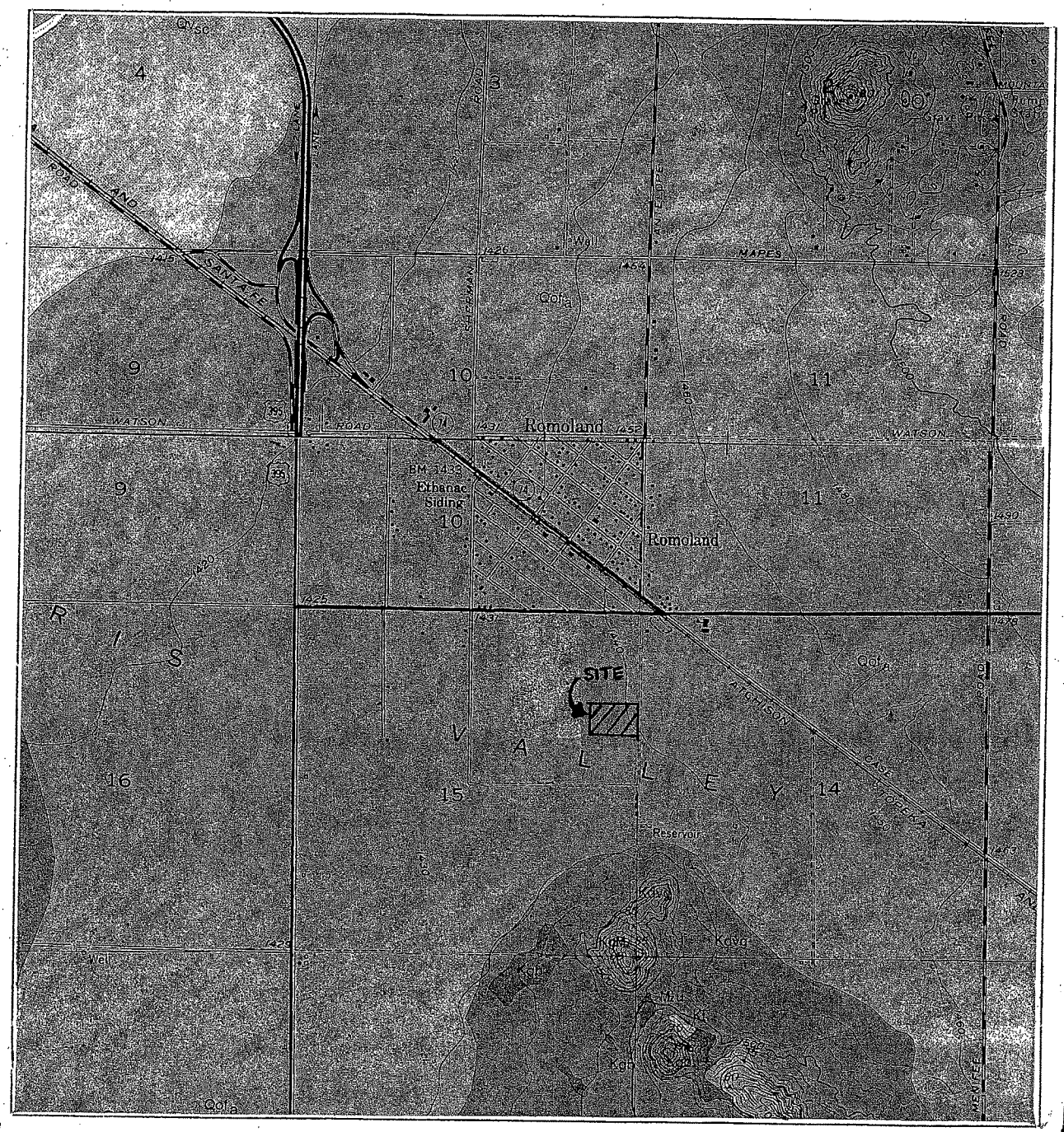


EnGEN Corporation

Geotechnical Engineering | Engineering Geology | Special Inspection | Material Testing | Environmental Assessments

SITE LOCATION MAP			
PROJECT NUMBER:	M3643-GS	LEGAL DESCRIPTION:	APN: 331-150-037
DATE: JUNE 2007		SCALE: 1"=2,400'	
CLIENT NAME:	MOTTE INDUSTRIAL	FIGURE:	1

BASE MAP: The Thomas Guide, San Bernardino & Riverside Counties, 2005 edition.



EnGEN Corporation

Geotechnical Engineering | Engineering Geology | Special Inspection | Material Testing | Environmental Assessments

GEOLOGIC LOCATION MAP				
PROJECT NUMBER:	M3643-GS	LEGAL DESCRIPTION:	APN: 331-150-037	
DATE: JUNE 2007		SCALE: 1"=2,000' approx.		
CLIENT NAME:	MOTTE INDUSTRIAL		FIGURE:	2

BASE MAP: Morton, D.M., Geologic Map of the Romoland 7.5' Quadrangle, Riverside Counties, California: A Digital Database, Scale 1:24,000, Open-File Report 03-102.

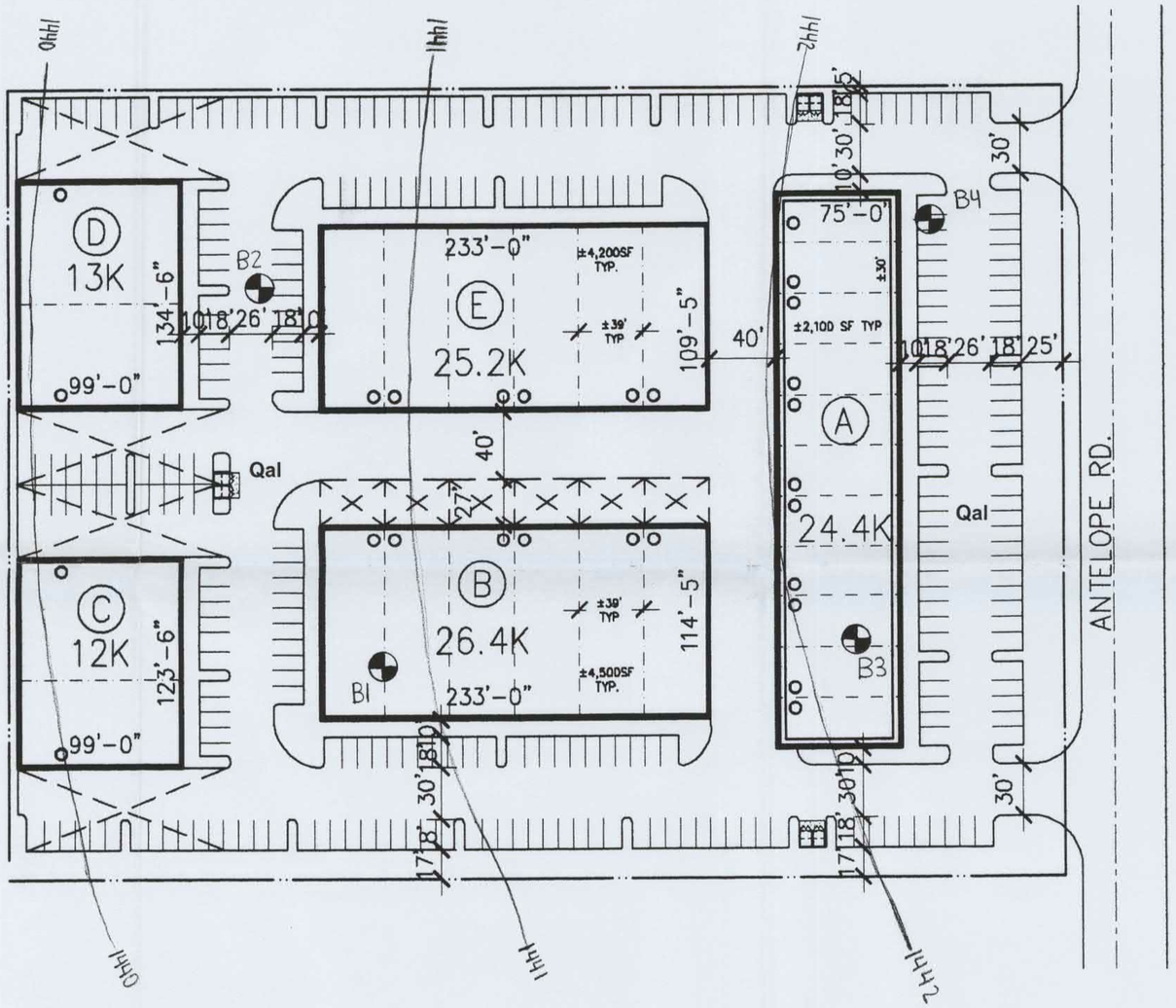
PROJECT DATA:

SITE AREA:
GROSS: 6.71 AC (292,287 SF)

BUILDING AREA: 101,000 SF

F.A.R.: .345 (GROSS)

PRKG PROV: 2.7/1000



LEGEND

B4	APPROXIMATE BORING LOCATION
Qal	ALLUVIUM

SITE LEGEND:

- GRADE LEVEL TRUCK DOOR

MIKE NAGGAR & ASSOCIATES

RANCON GROUP

CONCEPTUAL SITE PLAN

4.25.07

EnGEN Corporation Geotechnical Engineering | Engineering Geology | Special Inspection | Material Testing | Environmental Assessments

GEOTECHNICAL STUDY SITE PLAN			
PROJECT NUMBER:	M3643-GS	LEGAL DESCRIPTION:	APN: 331-150-037
DATE: JUNE 2007		SCALE: 1"=60' approx.	
CLIENT NAME:	MOTTE INDUSTRIAL	PLATE:	1

Topography Based on: Riverside County Flood Control and Water Conservation District, Ortho-photo Map, T52/R3W Section 15, photography date March 10, 2004.

NOTE:
THIS CONCEPTUAL DESIGN PLAN IS BASED UPON A PRELIMINARY REVIEW OF AVAILABLE INFORMATION AND ON UNDERMINED AND POSSIBLY INCOMPLETE SITE INFORMATION, AND IS INTENDED MERELY TO ASSIST IN EXPLORING HOW THE SITE MIGHT BE DEVELOPED.

0 15 30 60 120

scale: 1" = 30'

062-045-00

NORTH

MOTTE INDUSTRIAL
ROMOLAND, CA

WARE MALCOMB
architecture
planning
interiors
graphics
www.waremalcomb.com
P 856.636.7277

G6002101 A

GEO 02101

RESPONSE TO COMMENTS

NUMBER OF PAGES: 6

EnGEN CORPORATION

November 6, 2008

Mr. Mike Naggar
Motte Town Center I, LLC
445 South D Street
Perris, California 92570
(951) 657-4281/ FAX (951) 657-2406

Received
NOV 13 2008

Regarding: **Response to Review Comments, GEO #2101**
Motte Industrial - Assessor's Parcel Number: 331-150-037
Antelope Road and Ethanac Road
Romoland Area, Riverside County, California
Project Number: M3643-CS

Dear Mr. Naggar:

According to your request and signed authorization, we have prepared this letter in response to the Riverside County, Transportation and Land Management Agency, Planning Department review comments dated October 22, 2008, to the referenced geotechnical report as it applies specifically to Assessor's Parcel Number 331-150-037. For ease of understanding, we are restating the review comments and addressing them individually.

1. *"The site description should include the maximum and minimum AMSL elevations for this site. Please provide."*

   Response 1: The elevations for the site are estimated to range from approximately 1438 to 1450 as shown on Plate 1 of the original report and as stated in the references of the same (Technical Reference No. 20, in the Appendix) are based on the following reference:

   Riverside County Flood Control and Water Conservation District (RCFCWD), 2004 Ortho-photo Map, T.5S, R.3W., Section II, Scale 1"=200', date of photography March 10, 2004.

2. *"The plan included with the report is not the same as the exhibit submitted for this project. The consultant should be provided with the latest submitted exhibit for this project for their review, to use as a base map for presenting their data and to ascertain if their recommendations are still applicable."*

Response 2: Please find attached to this letter a copy of the revised Geotechnical Site Plan. The minor changes in site configuration do not affect the recommendations of the original report dated June 27, 2007.

3. *"Please provide the site specific data (site geologic mapping, literature research, aerial photo review, lineament analysis, etc.) used to conclude that no active faults exist within the project limits and therefore the potential for this site to be affected by surface fault rupture is considered low."*

Response 3:

Based upon our review of readily available stereoscopic aerial photographs and literature reviewed for the site, no photo-lineaments were observed nor suspected to be crossing the subject site. As a result, no modifications to the previous conclusion are considered necessary. This specific data utilized to reach this conclusion is listed below for ease of reference.

1. Hart, Earl W., and Bryant, William A., 1997, Revised 1999, Fault-Rupture Hazard Zones in California, Alquist-Priolo Earthquake Fault Zoning Act with Index to Earthquake Fault Zone Maps: State of California, Department of Conservation, Division of Mines and Geology, 38 pages.

2. Morton, D. M., 1999, Preliminary Digital Geologic Map of the Santa Ana 30' x 60' Quadrangle, Southern California, Version 1.0, United States Geological Survey, Open File Report 99-172.

3. Morton, D. M., 2003, Preliminary Digital Geologic Map of the Romoland 7.5 Minute Quadrangle, Riverside County California, USGS, Open File Report OFR 039-102.

4. Riverside County Land Information System (RCLIS), 2008, Fault Zones Report, retrieved from: http://www3.tlma.co.riverside.ca.us/pa/rclis/viewer.htm on November 5, 2008 at.

5. Riverside County Flood Control and Water Conservation District (RCFCWD), 2004 Ortho-photo Map, T.5S, R.3W., Section II, Scale 1"=200', date of photography March 10, 2004.

6. Riverside County Flood Control and Water Conservation District, (RCFCDWD), 1974, Aerial Photograph Flight Nos. 519 and 520, Scale 1"=1600', photographed on June 20, 1974.

7. Riverside County Flood Control and Water Conservation District, (RCFCDWD), 1962, Aerial Photograph Flight Nos. 1-16 and 1-17, Scale 1"=2000', photographed on January 28, 1962.

4. *"Based on the submittal date of this report, all references to the California Building Code and the associated seismic design parameters should be updated to reflect the provisions of the new recently adopted California Building Code (CBC 2007)"*

Response 4: The following seismic parameters are considered to now apply to the subject report which were not in affect at the time the report was prepared and satisfy the new CBC 2007 requirements.

Seismic Design Parameters: The following seismic parameters apply:

Design Fault Name: San Jacinto Fault - San Jacinto Valley Segment

Nearest Estimated Closest Distance to Fault: 16.1 Km

Description	Design Parameters
SITE LATITUDE:	33.4419
SITE LONGITUDE:	-117.1022
SITE CLASS:	D
SPECTRAL RESPONSE (SHORT):	(0.2 sec) – Ss: 1.5
SPECTRAL RESPONSE – (1-SECOND):	(1.0 sec) – S_1: 0.6
SHORT PERIOD SITE COEFFICIENT:	Fa: 1.0
1-SECOND PERIOD SITE COEFFICIENT:	Va: 1.5
ADJUSTED SPECTRAL RESPONSE:	(Short Period) - 0.2 sec – S_{ms}: 1.5
ADJUSTED SPECTRAL RESPONSE:	(One Sec) – S_{m1}: 0.9
DESIGN SPECTRAL RESPONSE:	(Short Period) 0.2 sec – S_{ds}: 1.0
DESIGN SPECTRAL RESPONSE:	(One Sec) 1.0 sec – S_{d1}: 0.6

Finish Lot Drainage Recommendations: Finish lot surface gradients in unpaved areas should be provided next to tops of slopes and buildings to direct surface water away from foundations and slabs and from flowing over the tops of slopes. The surface water should be directed toward suitable drainage facilities. Ponding of surface water should not be allowed next to structures or on pavements. In paved or unpaved areas, a minimum positive gradient of 2.0 percent away from the structures and tops of slopes for a minimum distance of 10.0-feet and a minimum of 1.0 percent pad drainage off the property in a non-erosive manner should be provided.

5. *"The foundation recommendation section of the report calls for continuous footings to be a minimum of 12 inches wide and embedded a minimum of 12 inches, however, the dry sand settlement calculations appear to have been performed for 24 inch wide footings embedded 24 inches. Please explain"*

Response 5: The 24" X 24" footings were used for the dry sand settlement calcs because it represents what we might anticipate as a "worst case scenario". The 12" X 12" footing configuration is a "minimum", and could be exceeded by the structural analysis due to heavier loads and deeper grade beams. As a result, the calcs are preformed for the anticipated heavier structural possibility, with bottom of footing closest to the uncompacted soil zone.

6. *"The Geologic Location Map (Figure 3) does not include a legend for the units shown. Please provide"*

Response 6: Attached is a copy of the revised Geologic Location Map with the legend as requested.

Thank you for the opportunity to provide these services. We hope this is sufficient for your present needs. Should you have any questions, please contact our office at your convenience.

Respectfully submitted,
EnGEN Corporation

Eric Davisson, PG 8231
Senior Staff Geologist
Expires 02-28-10

Osbjorn Bratene, GE 162
President
Expires 09-30-09

ED/OZ:ar

M3541-CS Motte Romoland Ranch GEO 2101 Response

Response 5: The 24" X 24" footings were used for the dry sand settlement calcs because it represents what we might anticipate as a "worst case scenario". The 12" X 12" footing configuration is a "minimum", and could be exceeded by the structural analysis due to heavier loads and deeper grade beams. As a result, the calcs are preformed for the anticipated heavier structural possibility, with bottom of footing closest to the uncompacted soil zone.

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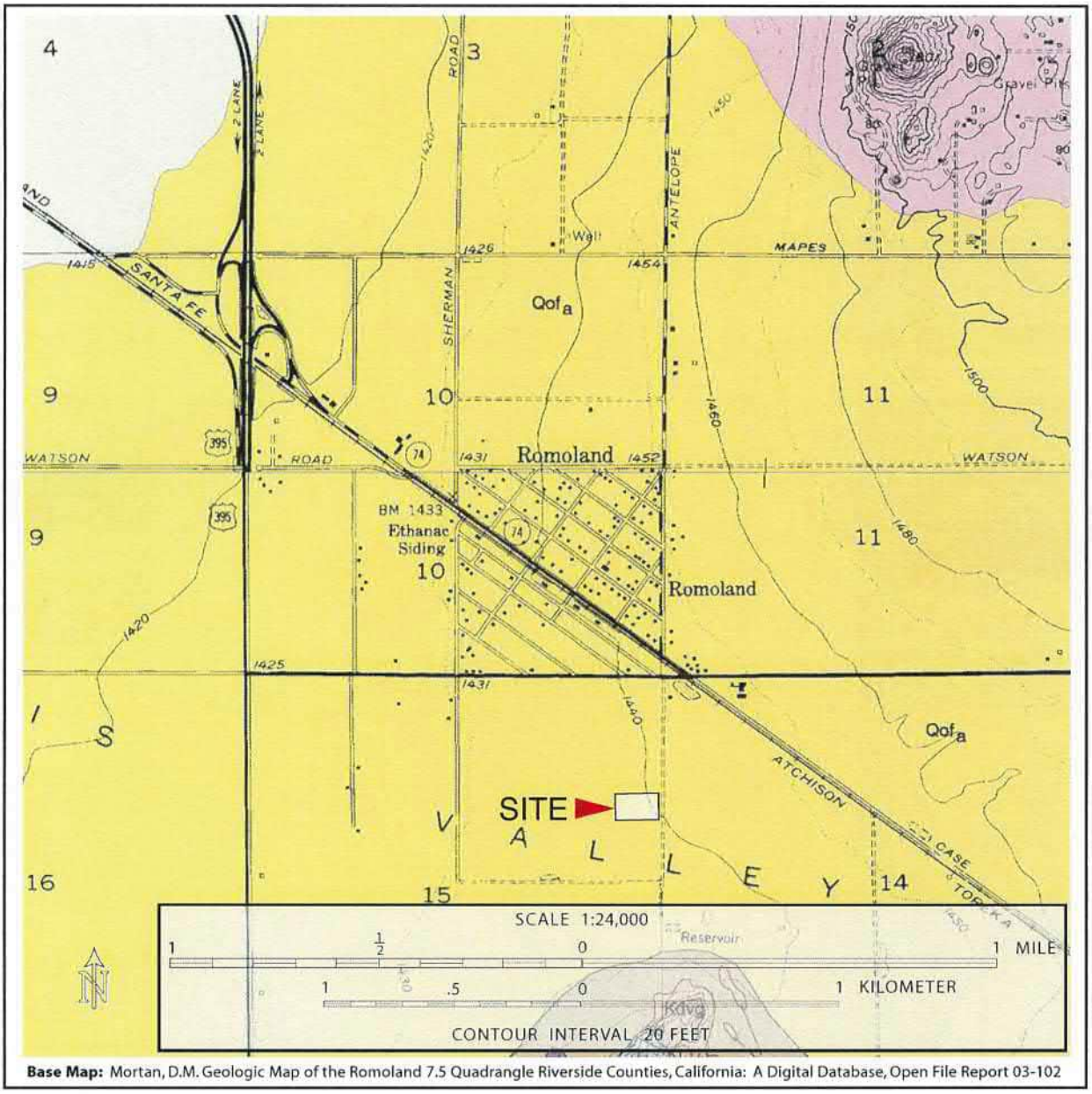
Respectfully submitted,
EnGEN Corporation

Eric Davisson, PG 8231
Senior Staff Geologist
Expires 02-28-10

Osbjorn Bratene, GE 162
President
Expires 09-30-09

ED/OZ:al

M3541-CS Motte Romoland Ranch GEO 2101 Response



Base Map: Mortan, D.M. Geologic Map of the Romoland 7.5 Quadrangle Riverside Counties, California: A Digital Database, Open File Report 03-102

LEGEND

Qof	**Old alluvial fan deposites (late to middle Pleistocene).** In places includes think alluvial fan deposits of Holocene age.
Kdvg	**Granodiorite to tonalite** - Relatively uniform massive hornblende biotite granodiorite grading into tonalite.
Kgb	**Gabbro (Cretaceous)** - Mainly hornblende gabbro. Includes noritic and dioritic compostion rocks.
Kt	**Tonalite, undifferentiated (Cretaceous)** - Forms medium to small bodies throughout quadrangle.

On some SCAMP geologic plots, including this quadrangle, characteristic grain size information is displayed using subscripted alpha characters (e.g. Qyf_s, Qov_a), where the characters conform to the following definitions:

a - arenaceous (very coarse sand through very find sand)
b - gravel (cobble through granule gravel)
s - silty
c - clayey

25759 Jefferson Avenue Murrieta, California 92562
(909) 834-9000 • Fax: (951) 834-9001
www.engencorp.com

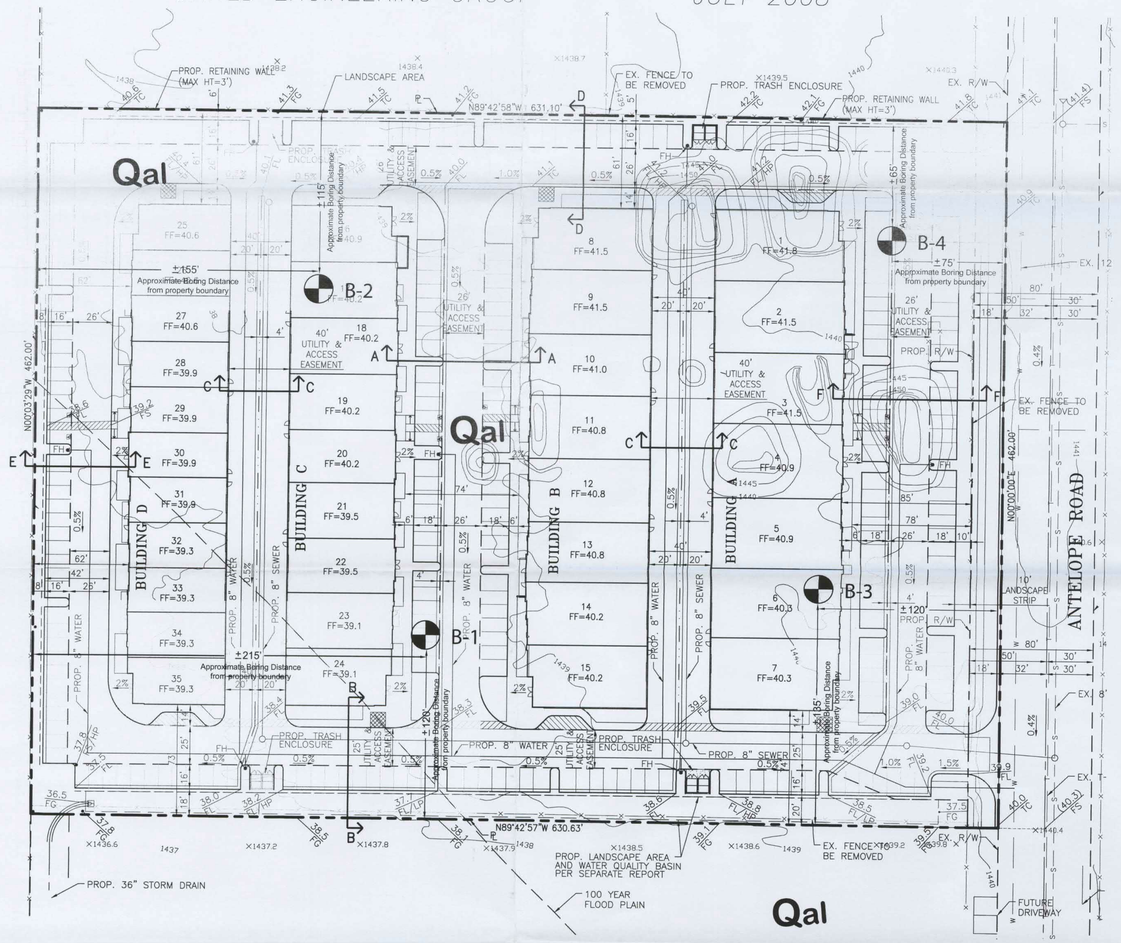
REGIONAL GEOLOGIC MAP

PROJECT NAME: Motte Industrial		DATE: 11-2008
PROJECT NUMBER: M3543-GS	CLIENT: Motte Romoland Ranch	
LEGAL DESCRIPTION:		
ASSESSOR'S PARCEL NUMBER: 329-120-037		FIGURE: 2

IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

PLOT PLAN NO. 23180

UNITED ENGINEERING GROUP — JULY 2008

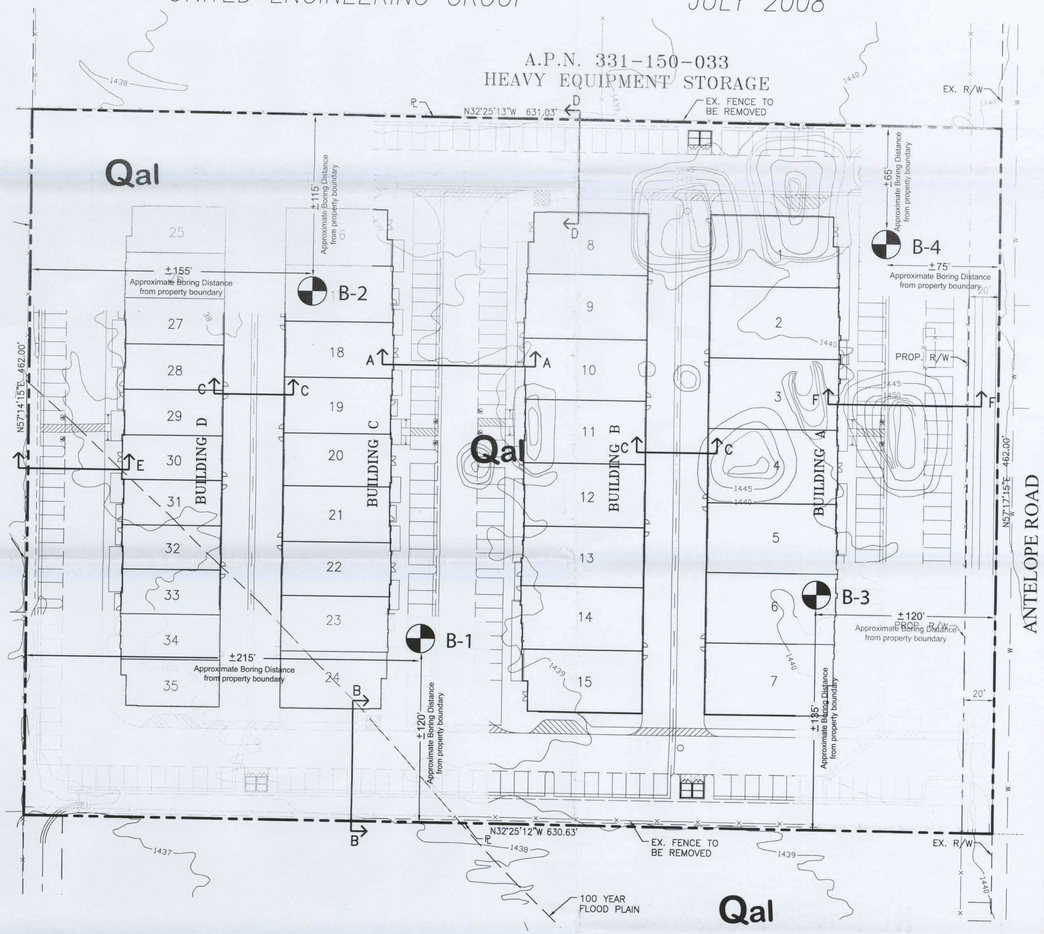


NOTE: Site drawings provided by United Engineering Group

IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

TENTATIVE MAP - PARCEL NO. 35846

UNITED ENGINEERING GROUP — JULY 2008



NOTE: Site drawings provided by United Engineering Group

PROJECT DATA: SITE AREA: 6.71 ACRES (292,287 SQUARE FEET)
BUILDING AREA: 101,000 SQUARE FEET

GEOTECHNICAL STUDY SITE PLAN

OWNER/APPLICANT

MOTTE TOWN CENTER 1, LLC
445 S. D. STREET
PERRIS, CA 92570
951-657-4281

LEGAL DESCRIPTION

LOT 124 AND THE NORTH 132 FEET OF LOT 123 OF TRUMBLE FARMS, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 11 PAGE 38 OF MAPS, RECORDS OF RIVERSIDE COUNTY

ENGINEER

UNITED ENGINEERING GROUP
2990 INLAND EMPIRE BLVD SUITE 111
ONTARIO, CA 91764
909-466-9240

LEGEND

B-4 = APPROXIMATELY LOCATION OF EXPLORATORY BORING

Qal = ALLUVIUM

40' 20' 0' 40' 80'
SCALE: 1" = 40'



VICINITY MAP
T5S, R3W, SECTION 15
N.T.S.

EnGEN CORPORATION
25759 Jefferson Avenue
Murrieta, California 92562
(951) 834-9000 Fax (951) 834-9001
www.engencorp.com

PROJECT NAME: Motte Industrial	DATE: November 2008
PROJECT NUMBER: M3643-GS	CLIENT: Motte Town Center
LEGAL DESCRIPTION: Plot Plan 23108 & Parcel Map 35846	
ASSESSOR'S PARCEL NUMBER: 331-150-037	Plate 1

GE002101 B

GEO 02101

COUNTY COMMENTS LETTER(S)

NUMBER OF PAGES: 7

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

October 22, 2008 Pages 6 (including this cover)

EnGEN Corporation
Fax: (951) 834-9001
Attention: Eric Davisson

RE: Review Comments
County Geologic Report No. 2101
Geotechnical/Geological Engineering Study, Motte Industrial – Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS

Please see the attached comments pertaining to the subject report. Please call me at (951) 955-6863 or Mr. David Gaddie at (951) 955-1935 if you have any questions.

Sincerely,

RIVERSIDE COUNTY PLANNING DEPARTMENT
Ron Goldman, Planning Director

David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

Attachments: Review Comments

cc: Planner: Russell Brady, Riverside Office, Fax: (951) 955-3157
Eng/Rep: Gerardo Garduno, United Engineering Group, Fax: (909) 466-9253
File: GEO02101, PP23180, PM35846

W:\Geology\CGR\GEO02100-2299\geo02101_comments.DOC

Riverside Office · 4080 Lemon Street, 9th Floor
P.O. Box 1409, Riverside, California 92502-1409
(951) 955-3200 · Fax (951) 955-3157

Desert Office · 38686 El Cerrito Road
Palm Desert, California 92211
(760) 863-8277 · Fax (760) 863-7555

PLOT PLAN:TRANSMITTED Case #: PP23180 Parcel: 331-150-037

5. DRT CORRECTIONS REQUIRED

PLANNING DEPARTMENT

5.PLANNING. 1 DRT - GEO02101 REQUIRED

County Geologic Report (GEO) No. 2101, submitted for this project (PP23180 & PM35846), was prepared by EnGEN Corporation and is entitled: "Geotechnical/Geological Engineering Study, Motte Industrial - Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS", dated June 27, 2007.

Prior to scheduling this project for public hearing, clarification and/or additional information, relative to the issues enumerated by Mr. Larry Cooley in his October 14, 2008 Seismic/Geologic Report Review comments memo, shall be submitted to the County Geologist for review and approval.

In addition, the following clarification and/or additional information, shall be submitted to the County Geologist for review and approval.

1.The site description should include the maximum and minimum AMSL elevations for this site. Please provide.

2.The plan included with the report is not the same as the exhibit submitted for this project. The consultant should be provided with the latest submitted exhibit for this project for their review, to use as a base map for presenting their data and to ascertain if their recommendations are still applicable.

3.Please provide the site specific data (site geologic mapping, literature research, aerial photo review, lineament analysis, etc.) used to conclude that no active faults exist within the project limits and therefore the potential for this site to be affected by surface fault rupture is considered low.

4.Based on the submittal date of this report, all references to the California Building Code and the associated seismic design parameters should be updated to reflect the provisions of the new recently adopted California Building code (CBC 2007).

5.The foundation recommendation section of the report calls for continuous footings to be a minimum of 12 inches wide

PLOT PLAN:TRANSMITTED Case #: PP23180 Parcel: 331-150-037

5. DRT CORRECTIONS REQUIRED

5.PLANNING. 1 DRT - GEO02101 (cont.) REQUIRED

and embedded a minimum of 12 inches, however, the dry sand settlement calculations appear to have been performed for 24 inch wide footings embedded 24 inches. Please explain.

6.The Geologic Location Map (Figure 2) does not include a legend for the units shown. Please provide.

PARCEL MAP Parcel Map #: PM35846 Parcel: 331-150-037

5. DRT CORRECTIONS REQUIRED

PLANNING DEPARTMENT

5.PLANNING. 1 DRT - GEO02101 REQUIRED

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PARCEL MAP Parcel Map #: PM35846 Parcel: 331-150-037

5. DRT CORRECTIONS REQUIRED

5.PLANNING. 1 DRT - GEO02101 (cont.) REQUIRED

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6.The Geologic Location Map (Figure 2) does not include a legend for the units shown. Please provide.

LARRY D. COOLEY, PE

MEMORANDUM
Technical Review Comments

DATE: October 14, 2008

TO: **David L. Jones** – County Geologist

County of Riverside – Transportation and Land Management Agency

FROM: **Larry D. Cooley,** PE; Geotechnical Consultant – County of Riverside Planning Department

RE: GEO No. 02101: Updated Geotechnical Report Review for Proposed Motte Industrial in Romoland area

It is recommended that EnGEN Corp., as preparer of subject report, respond to the following comments upon review of the initial submittal received on October 1, 2008:

- As a matter of clarification, the preparer of the report, EnGEN Corp., should revise the description of the development consistent with tilt-up concrete buildings for industrial purposes; i.e., not "two story wood-framed" as stated. The site is actually located some distance southerly of the intersection of Antelope and Ethanac Roads.
- The nominal thickness for an industrial interior slabs is typically six inches (the report states minimum four inches); provide modulus of subgrade reaction used for determination

CONSULTANT SUMMARY AND RECOMMENDATIONS

It is my opinion that this report may require at least one more review prior to clearance by the Planning Department.

** Transmit Confirmation Report **

P.1 Oct 23 2008 09:26am
PLANNING Fax:951-955-0923

Name/Fax No.	Mode	Start	Time	Page	Result	Note
98349001	Normal	23,09:21am	1'34"	6	* O K	BrdCast
919094669253	Normal	23,09:25am	0'52"	6	# O K	BrdCast

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

October 22, 2008 Pages 6 (including this cover)

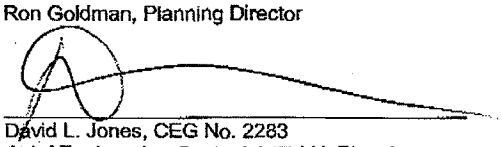
EnGEN Corporation
Fax: (951) 834-9001
Attention: Eric Davisson

RE: Review Comments
County Geologic Report No. 2101
Geotechnical/Geological Engineering Study, Motte Industrial – Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS

Please see the attached comments pertaining to the subject report. Please call me at (951) 955-6863 or Mr. David Gaddie at (951) 955-1935 if you have any questions.

Sincerely,

RIVERSIDE COUNTY PLANNING DEPARTMENT
Ron Goldman, Planning Director



David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

Attachments: Review Comments

cc: Planner: Russell Brady, Riverside Office, Fax: (951) 955-3157
Eng/Rep: Gerardo Garduno, United Engineering Group, Fax: (909) 466-9253
File: GEO02101, PP23180, PM35846

W:\Geology\CGR\GEO02100-2299\geo02101_comments.DOC

Riverside Office · 4080 Lemon Street, 9th Floor
P.O. Box 1409, Riverside, California 92502-1409
(951) 955-3200 · Fax (951) 955-3157

Desert Office · 38686 El Cerrito Road
Palm Desert, California 92211
(760) 863-8277 · Fax (760) 863-7555

GEO 02101

MISCELLEANOUS

NUMBER OF PAGES: 2

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

Memorandum

DATE: September 30, 2008

TO: Larry Cooley
31391 Britton Circle
Temecula, CA 92591
(858) 735-1072

FROM: David L. Jones
Planning Department
County of Riverside
(951) 955-6863

RE: Request for Technical Review
GEO No. 2101

Dear Larry:

I am forwarding the complete file for the above referenced GEO report. Please review the report and provide your comments or as appropriate.

Your assistance is greatly appreciated.

Please let me know if you need any additional information.

W:\Geology\GEO to Larry Cooley.doc

Riverside Office · 4080 Lemon Street, 9th Floor
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(951) 955-3200 · Fax (951) 955-3157

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COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

Memorandum

DATE: November 13, 2008

TO: Larry Cooley
31391 Britton Circle
Temecula, CA 92591
(858) 735-1072

FROM: David L. Jones
Planning Department
County of Riverside
(951) 955-6863

RE: Request for Technical Review
Response to Comments
GEO No. 2101

Dear Larry:

I am forwarding the complete file for the above referenced GEO report. The file includes the consultant's response to your previous review comments. Please review the response and provide your approval or additional comments as appropriate.

Your assistance is greatly appreciated.

Please let me know if you need any additional information.

W:\Geology\GEO responses to Larry Cooley.doc

Riverside Office · 4080 Lemon Street, 9th Floor
P.O. Box 1409, Riverside, California 92502-1409
(951) 955-3200 · Fax (951) 955-3157

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Palm Desert, California 92211
(760) 863-8277 · Fax (760) 863-7555

GEO 02101

ENTITLEMENT MAPS / EXHIBITS

NUMBER OF PAGES: 2

IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

TENTATIVE MAP - PARCEL NO. 35846

UNITED ENGINEERING GROUP JULY 2008

GENERAL NOTES:

1. ASSESSOR'S PARCEL NUMBER: 331-150-037
2. THE PROPERTY SHOWN HEREIN SHOWS CONTAINS THE ENTIRE CONTIGUOUS OWNERSHIP.
3. TOTAL NUMBER OF LOTS = 1 (1 LOT PARCEL MAP NO 35846)
   TOTAL GROSS AREA = 6.71 AC.
   TOTAL NET AREA = 6.50 AC.
   TOTAL AREA TO BE DEDICATED FOR R/W = 0.21 AC.
   TOTAL BUILDING AREA = 2.22 AC.
   TOTAL COMMON AREA = 4.28 AC.
   TOTAL LANDSCAPE AREA = 0.77 AC. (11.5% OF SITE)
   TOTAL NO. OF COMMON AREAS = 1
   TOTAL NO. OF UNITS = 35 INDUSTRIAL CONDOMINIUM UNITS
   TOTAL NUMBER OF PARKING SPACES = 256 STANDARD
   8 HANDICAP ACCESSIBLE
4. CONTOUR INTERVAL = 1 FOOT.
5. ALL SLOPES ARE 2:1 OR FLATTER.
6. THIS MAP IS COMPILED FROM RECORD INFORMATION ONLY AND IS NOT TO BE USED AS A BOUNDARY SURVEY.
7. NO REGULATED TREES EXIST ON SITE UNLESS NOTED.
8. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS MAP ARE APPROXIMATE. (NO RECORDS AVAILABLE)
9. TENTATIVE MAP IS FOR INDUSTRIAL CONDOMINIUM PURPOSES.
10. TENTATIVE MAP IS LOCATED IN THOMAS BROS. MAPS 2005 EDITION ON PAGE 838, E-2.
11. TENTATIVE MAP AREA NOT SUBJECT TO LIQUEFACTION.
12. TENTATIVE MAP AREA NOT IN A COMMUNITY FACILITY DISTRICT.
13. TENTATIVE MAP IS PARTIALLY LOCATED WITHIN A FEMA FLOOD ZONE "A".
14. TENTATIVE MAP IS WITHIN MENIFEE NORTH SPECIFIC PLAN.
15. THE PRELIMINARY GEOTECHNICAL INVESTIGATION WAS PREPARED BY ENGEN CONSULTING DATE 06/27/07.
16. TENTATIVE MAP IS NOT WITHIN AN ACTIVE FAULT ZONE.
17. EXISTING TOPOGRAPHY: ARROWHEAD MAPPING COMPANY AERIAL FLOWN 05/27/2007.
18. ALL IMPROVEMENTS SHALL BE PER RIVERSIDE COUNTY STANDARD.
19. ANY EXISTING FENCE OR STRUCTURE WITHIN PROPOSED DEVELOPMENT AREA WILL BE REMOVED.
20. LOT DIMENSIONS SHOWN HERE ARE APPROXIMATE.
21. NO SUBSURFACE SEPTIC SEWAGE DISPOSAL IS INTENDED.
22. TENTATIVE MAP INCLUDES THE ENTIRE CONTIGUOUS OWNERSHIP OF LAND DIVIDER.

LAND USE INFORMATION

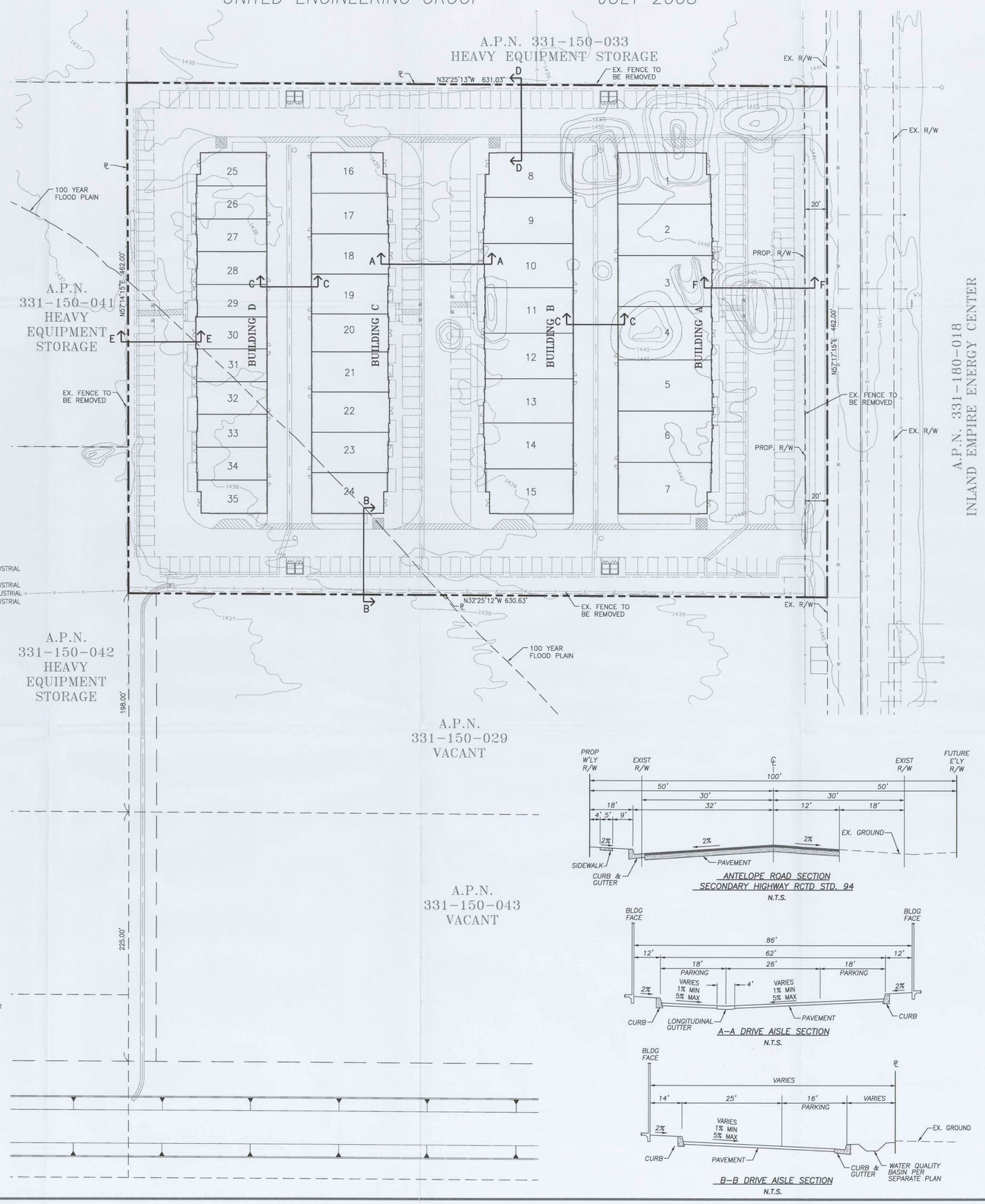
PARCEL NO. 331-150-037 IS A SCHEDULE "A" SUBDIVISION.
EXISTING ZONING.....SP 260 PA-2
EXISTING LAND USE.....VACANT
PROPOSED LAND USE.....INDUSTRIAL PARK

ADJACENT PROPERTIES ZONING / LANDUSE:
NORTH.....SP 260 PA-2 / HEAVY INDUSTRIAL
SOUTH.....RR / VACANT
EAST.....SP 260 PA-3 / HEAVY INDUSTRIAL
WEST.....SP 260 PA-2 / HEAVY INDUSTRIAL
WEST.....SP 260 PA-2 / HEAVY INDUSTRIAL

LEGEND

EX.	EXISTING
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FS	FINISH SURFACE
HP	HIGH POINT
LP	LOW POINT
PROP.	PROPOSED
RW	RETAINING WALL
R/W	RIGHT-OF-WAY
S.D.	STORM DRAIN
TC	TOP OF CURB
TYP.	TYPICAL
(XX.XX)	EXISTING ELEVATION
1	BUILDING NUMBER
FF=40.6	FINISHED FLOOR ELEVATION
	FIRE HYDRANT
	PROPOSED CATCH BASIN
	2:1 SLOPE
	EXISTING PROPERTY LINE
	TRACT BOUNDARY
	EASEMENT LINE
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM DRAIN LINE
	PROPOSED CONCRETE RIBBON GUTTER
	PROPOSED ADA PATH OF TRAVEL
	PROPOSED LOADING AREAS
	PROPOSED BREAK AREAS

40' 20' 0' 40' 80'
SCALE: 1" = 40'



OWNER/APPLICANT

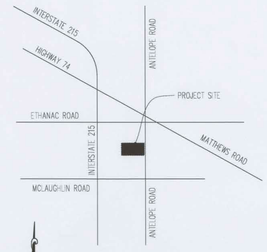
MOTTE TOWN CENTER 1, LLC
445 S. D. STREET
PERRIS, CA 92570
951-657-4281

ENGINEER

UNITED ENGINEERING GROUP
2990 INLAND EMPIRE BLVD SUITE 111
ONTARIO, CA 91764
909-466-9240

LEGAL DESCRIPTION

LOT 124 AND THE NORTH 132 FEET OF LOT 123 OF TRUMBLE FARMS, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 11 PAGE 38 OF MAPS, RECORDS OF RIVERSIDE COUNTY



VICINITY MAP
15S, R3W, SECTION 15
N.T.S.

UTILITY PURVEYORS:

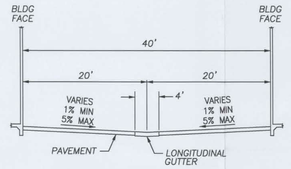
SEWER:	EASTERN MUNICIPAL WATER DISTRICT 2270 TRUMBLE ROAD, P.O. BOX 8300 PERRIS, CA 92572-8300 (909) 928-3777 EXT. 4402
WATER:	EASTERN MUNICIPAL WATER DISTRICT 2270 TRUMBLE ROAD, P.O. BOX 8300 PERRIS, CA 92572-8300 (909) 928-3777 EXT. 4402
ELECTRIC:	SOUTHER CALIFORNIA EDISON 6100 MENIFEE ROAD ROMOLAND, CA 92585 (909) 928-8290
GAS:	SOUTHER CALIFORNIA GAS COMPANY P.O. BOX 3003, 1981 W. LUGONIA REDLANDS, CA 92374 (800) 228-7377
TELEPHONE:	VERIZON 150 S. JUANITA STREET HEMET, CA 92543 (909) 9256253
CABLE SERVICE:	ADELPHIA 26459 INEZ ROAD, SUITE C TEMECULA, CA 92592 (909) 975-3316
SCHOOL DISTRICT:	PERRIS UNIFIED HIGH SCHOOL ROMOLAND ELEMENTARY SCHOOL

EARTHWORK QUANTITY

RAW CUT = 1,000 CY
RAW FILL = 10,000 CY.

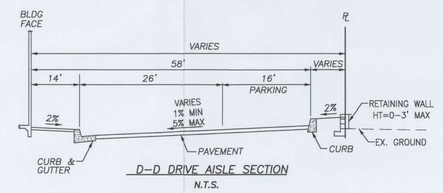
AREA TABLE:

BUILDING NO.	BUILDING S.F.	UNIT NO.	UNIT S.F.
A	27,663	1	3,825
		2	3,970
		3	3,970
		4	4,133
		5	3,970
		6	3,970
		7	3,825
B	26,028	8	3,114
		9	3,330
		10	3,330
		11	3,330
		12	3,330
		13	3,330
		14	3,330
		15	3,114
C	22,747	16	2,465
		17	2,550
		18	2,550
		19	2,550
		20	2,517
		21	2,550
		22	2,550
		23	2,550
		24	2,465
D	20,946	25	1,845
		26	1,920
		27	1,920
		28	1,920
		29	1,920
		30	1,896
		31	1,920
		32	1,920
		33	1,920
		34	1,920
		35	1,845



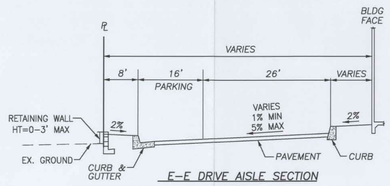
C-C TYPICAL ALLEY SECTION
N.T.S.

ANTELOPE ROAD SECTION
SECONDARY HIGHWAY RCTD STD. 94
N.T.S.



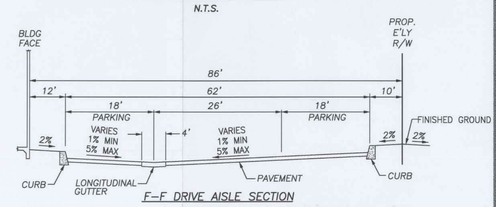
D-D DRIVE AISLE SECTION
N.T.S.

A-A DRIVE AISLE SECTION
N.T.S.



E-E DRIVE AISLE SECTION
N.T.S.

B-B DRIVE AISLE SECTION
N.T.S.



F-F DRIVE AISLE SECTION
N.T.S.

CASE #: PM35846 AMD. #1
DATE: 7/29/08
PLANNER: R.BRADY..

2990 Inland Empire Blvd.
Suite 111
Ontario, CA 91764
Phone: 909.466.9240
Fax: 909.466.9253
www.unitedeng.com
united engineering group

NO.	DESCRIPTION	DATE
1	AMENDED NO. 1 PER COMMENTS	7/15/08

REVISIONS

TENTATIVE PARCEL MAP NO. 35846

PARCEL MAP FOR INDUSTRIAL CONDOMINIUM PURPOSES

COUNTY OF RIVERSIDE

SUBMITTALS:

DESIGNED BY:	GJG
DRAWN BY:	GJG
CHECKED BY:	DP

REGISTERED PROFESSIONAL ENGINEER
IAN M. COLE
NO. C58602
EXP. 06/30/10
CIVIL
STATE OF CALIFORNIA

1

SHEET 1 OF 1

PROJECT NUMBER
CA - 20002

GED02101 C

IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

PLOT PLAN NO. 23180

UNITED ENGINEERING GROUP — JULY 2008

GENERAL NOTES:

1. ASSESSOR'S PARCEL NUMBER: 331-150-037
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LAND USE INFORMATION

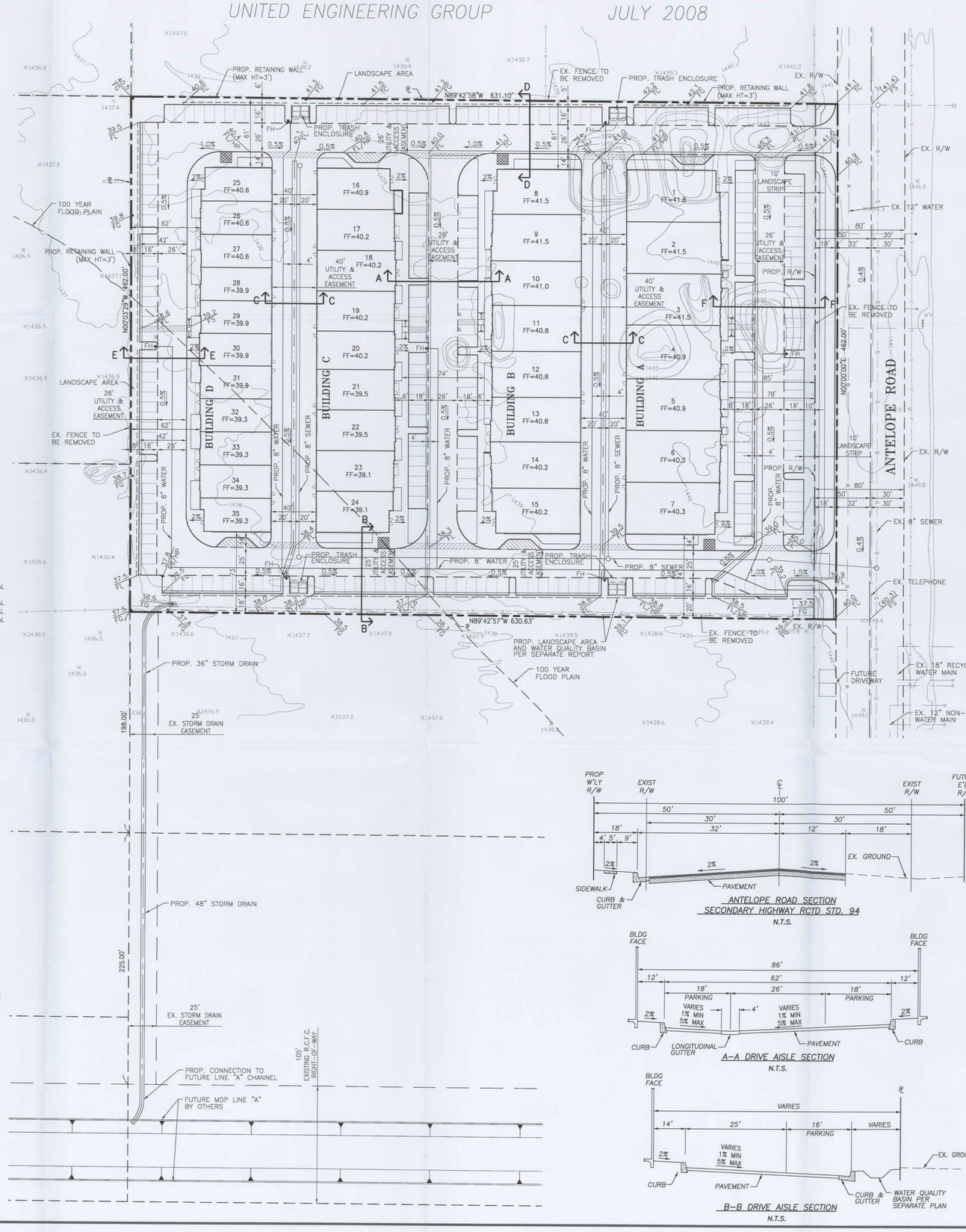
PARCEL NO. 331-150-037 IS A SCHEDULE "A" SUBDIVISION.
EXISTING ZONING.....SP 260 PA-2
EXISTING LAND USE.....VACANT
PROPOSED LAND USE.....INDUSTRIAL PARK

ADJACENT PROPERTIES ZONING / LANDUSE:
NORTH.....SP 260 PA-2 / HEAVY INDUSTRIAL
SOUTH.....RR / VACANT
EAST.....SP 260 PA-3 / HEAVY INDUSTRIAL
WEST.....SP 260 PA-2 / HEAVY INDUSTRIAL
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LEGEND

EX.	EXISTING
FF	FINISHED FLOOR
FG	FINISHED GRADE
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HP	HIGH POINT
LP	LOW POINT
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RW	RETAINING WALL
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TYP.	TYPICAL
(XX.XX)	EXISTING ELEVATION
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	TRACT BOUNDARY
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	PROPOSED WATER LINE
	PROPOSED STORM DRAIN LINE
	PROPOSED CONCRETE RIBBON GUTTER
	PROPOSED ADA PATH OF TRAVEL
	PROPOSED LOADING AREAS
	PROPOSED BREAK AREAS

40' 20' 0' 40' 80'
SCALE: 1" = 40'



OWNER/APPLICANT

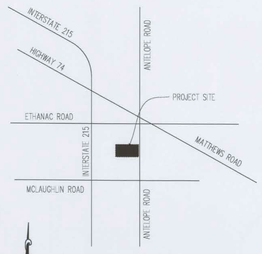
MOTTE TOWN CENTER 1, LLC
445 S. D. STREET
PERRIS, CA 92570
951-657-4281

ENGINEER

UNITED ENGINEERING GROUP
2990 INLAND EMPIRE BLVD SUITE 111
ONTARIO, CA 91764
909-466-9240

LEGAL DESCRIPTION

LOT 124 AND THE NORTH 132 FEET OF LOT 123 OF TRUMBLE FARMS, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 11 PAGE 38 OF MAPS, RECORDS OF RIVERSIDE COUNTY



VICINITY MAP
15S, R3W, SECTION 15
N.T.S.

UTILITY PURVEYORS:

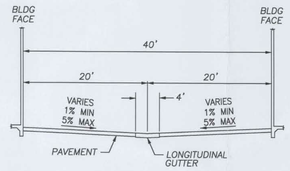
SEWER:	EASTERN MUNICIPAL WATER DISTRICT 2270 TRUMBLE ROAD, P.O. BOX 8300 PERRIS, CA 92572-8300 (909) 928-3777 EXT. 4402
WATER:	EASTERN MUNICIPAL WATER DISTRICT 2270 TRUMBLE ROAD, P.O. BOX 8300 PERRIS, CA 92572-8300 (909) 928-3777 EXT. 4402
ELECTRIC:	SOUTHER CALIFORNIA EDISON 8100 MENIFEE ROAD ROMOLAND, CA 92585 (909) 928-8290
GAS:	SOUTHER CALIFORNIA GAS COMPANY P.O. BOX 3003, 1981 W. LUGONIA REDLANDS, CA 92374 (800) 228-7377
TELEPHONE:	VERIZON 150 S. JUANITA STREET HEMET, CA 92543 (909) 9256253
CABLE SERVICE:	ADELPHIA 26459 INEZ ROAD, SUITE C TEMECULA, CA 92592 (909) 975-3316
SCHOOL DISTRICT:	PERRIS UNIFIED HIGH SCHOOL ROMOLAND ELEMENTARY SCHOOL

EARTHWORK QUANTITY

RAW CUT = 1,000 CY
RAW FILL = 10,000 CY.

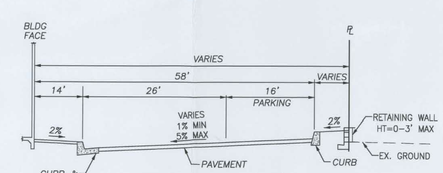
AREA TABLE:

BUILDING NO.	BUILDING S.F.	UNIT NO.	UNIT S.F.
A	27,663	1	3,825
		2	3,970
		3	3,970
		4	4,133
		5	3,970
		6	3,970
		7	3,825
B	26,028	8	3,114
		9	3,330
		10	3,330
		11	3,330
		12	3,330
		13	3,330
		14	3,330
		15	3,114
C	22,747	16	2,465
		17	2,550
		18	2,550
		19	2,550
		20	2,517
		21	2,550
		22	2,550
		23	2,550
		24	2,465
D	20,946	25	1,845
		26	1,920
		27	1,920
		28	1,920
		29	1,920
		30	1,896
		31	1,920
		32	1,920
		33	1,920
		34	1,920
		35	1,845



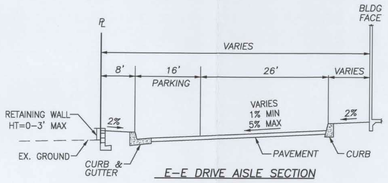
C-C TYPICAL ALLEY SECTION
N.T.S.

ANTELOPE ROAD SECTION
SECONDARY HIGHWAY RCTD STD. 94
N.T.S.



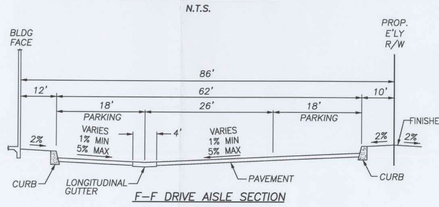
D-D DRIVE AISLE SECTION
N.T.S.

A-A DRIVE AISLE SECTION
N.T.S.



E-E DRIVE AISLE SECTION
N.T.S.

B-B DRIVE AISLE SECTION
N.T.S.



F-F DRIVE AISLE SECTION
N.T.S.

EXHIBIT: A
CASE #: PP23180 AMD. #1
DATE: 7/29/08
PLANNER: R.BRADY..

2990 Inland Empire Blvd.
Suite 111
Ontario, CA 91764
Phone: 909.466.9240
Fax: 909.466.9253
www.unitedeng.com
united engineering group

NO.	REVISIONS DESCRIPTION	DATE
1.	AMENDED NO. 1 PER COMMENTS	6/30/08

PLOT PLAN NO. 23180
FOR PARCEL MAP 35846
COUNTY OF RIVERSIDE

SUBMITTALS:

DESIGNED BY: GJG
DRAWN BY: GJG
CHECKED BY: DP

REGISTERED PROFESSIONAL ENGINEER
IAN M. COLE
NO. C56602
EXP. 06/30/10
CIVIL
STATE OF CALIFORNIA

1

SHEET 1 OF 1

PROJECT NUMBER
CA - 20002

G6002101

Thomas, Margaret

From: Records <records@RIVCO.ORG>
Sent: Monday, February 22, 2021 10:49 AM
To: Thomas, Margaret
Subject: 331-150-037 & 044

Hello Thomas,

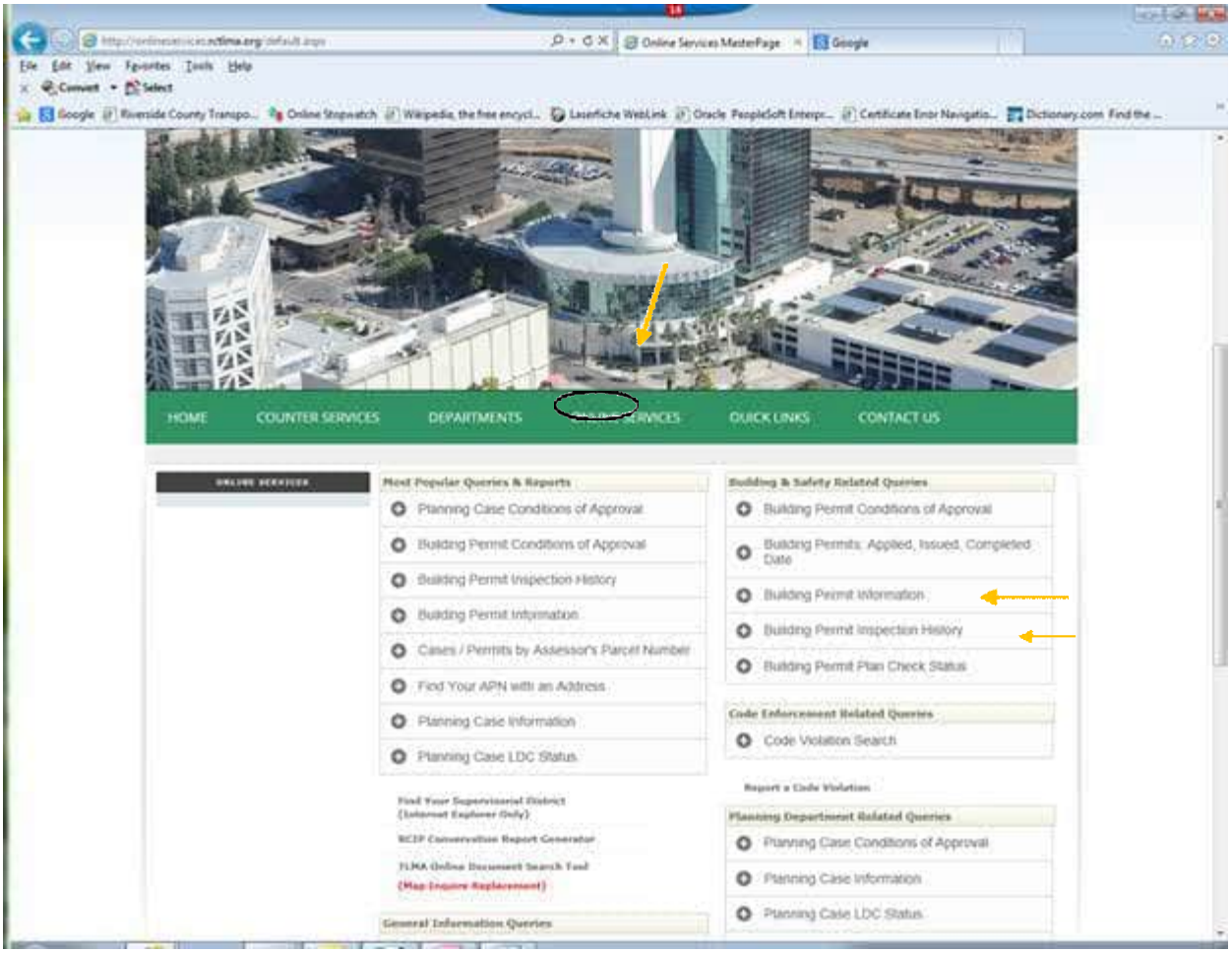
The research for this address is complete. I was unable to locate any permit records for 331-150-037 but I was able to locate 2 electrical permit records for 331-150-044 26277 Antelope Rd which are either voided or expired. This property has an aka address of 26245 Antelope Rd.

Also, these addresses are now in the jurisdiction of the city of Menifee. You may want to contact their building department at 951-672-6777 to check for any permits they may have issued.

BEL010199-SECURITY LIGHTS HEAVY EQUIPMENT STORAGE (CUP03300)-EXPIRED
BEL000137-TEMPORARY POWER FOR TEMPORARY EQUIPMENT STORAGE TRAILER-VOID

To view/print from website:

Go to www.rctlma.org
Click on “ONLINE SERVICES”
Scroll down
Click on “Building Permit Information” (right-hand side of page)
Enter permit number to view and / or print.
Click “Submit”
Print page
Repeat steps on “Building Permit Inspection history to see individual inspections.



If you have any questions, please call us at 951-955-2017 or with a reply email.

Thank you,

Wendy
Records & Information Mgmt.
TLMA, County of Riverside
(951) 955-2017
records@rivco.org

How are we doing? Click the Link and tell us

This email contains information which is confidential and is intended only for use of the recipient(s) named above. If you are not an intended recipient, you are hereby notified that any copying, distribution, disclosure, reliance upon or other use of the contents of this email is strictly prohibited. If you have received this email in error, please notify the sender and destroy your copy of this email. Thank you.

From: Thomas, Margaret <mathomas@partneresi.com>
Sent: Friday, February 19, 2021 1:52 PM
To: Records <records@RIVCO.ORG>
Subject: Historical Building Permits - Public Records Request

Hello,

I am dong an environmental site assessment of two vacant parcels in Menifee (historical agricultural land) and need to know if you have any historical building permits, demolition permits, grading permits, irrigation wells/lines, utility permits, etc., for the following parcels:

APN: 331-150-037, Antelope Road, Menifee (Owner is Motte Towne Center) – no known address; and

APN: 331-150-044, 26277 Antelope Road, Menifee; owner is Courtney family.

Please let me know if you find any records.

Thank you so much !

Respectfully,

Margaret R. Thomas
Senior Assessor

PARTNER ENGINEERING AND SCIENCE, INC. – CORPORATE OFFICE
2154 Torrance Boulevard, Torrance, CA 90501
T: Main 800-419-4923 | T: Direct 310-220-6191 | Cell: 310-927-5371

YOUR PARTNER – NATIONWIDE

Phase I ESAs/SBA I Phase II Subsurface Investigations I Remediation I Asbestos, Lead, & Radon Surveys I Property Condition Assessments I Seismic Evaluations I Geotechnical I ALTA Surveys I Structural Design

please consider the environment before printing this e-mail

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County of Riverside California

Assessor - County Clerk - Recorder
Riverside County, CA

General Information

Property Address	- No Situs -
Assessment No. (PIN)	331150037
APN (GeoCode)	331150037
Property Type	Vacant Commercial Land
TAG	026-232 MENIFEE
Acreage	6.71
Doing Business As	

Legal Description
6.71 ACRES M/L IN POR LOT 123 AND LOT 124 MB 011/038 TRUMBLE FARMS Lot 123 SubdivisionName TRUMBLE FARMS Acres 006.71 M/L LotType Lot RecMapType Map Book MapPlatB 011 MapPlatP 038 PortionLot Portion Lot 124 LotType Lot



Valuation data as of: **Tuesday, February 09, 2021**

Valuation data updated weekly.

Transfer History

Date	Document #	Sale Price
8/24/2005	2005-0696004	$0
8/30/2000	2000-0340310-S	$0
8/30/2000	2000-0340310	$0

Buildings

Buildings does not exist for this account.

Features does not exist for this account.

Land

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Commercial	LandLine 01 / 331150037 / Commercial	6.71	0.00	0.00

Land Use Detail does not exist for this account.

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
21-308686.1

AFX Reference Number:
79-158866-47

Subject Property:
ANTELOPE ROAD
MENIFEE, CA 92585

Completed:
02/11/2021

Effective:
01/29/2021

AFX RESEARCH, LLC

A Quarter-Century of Title Document Research Expertise

999 Monterey St. Suite 380, San Luis Obispo, CA 93401

(877) 848-5337 / www.afxllc.com

ENVIRONMENTAL LIEN AND AUL REPORT

Order #: 21-308686.1 | Reference #: 79-158866-47 | Completed: 02/11/2021 | Effective: 01/29/2021

SOURCES SEARCHED

Source 1: RIVERSIDE COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): MOTTE TOWNE CENTER, LLC
Street Address: ANTELOPE ROAD
City, State Zip Code: MENIFEE, CA 92585
APN/Parcel/PIN: 331-150-037 County: RIVERSIDE
Legal Description: 6.71 ACRES M/L IN POR LOT 123 AND LOT 124 MB 011/038 TRUMBLE FARMS

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 08/24/2005 Instrument: 2005-696004
Dated: 07/13/2005
Grantor(s): TRUMBLE FARMS ASSOCIATES, AS TO AN UNDIVIDED 64.15% INTEREST, JOHN D. MOTTE, LEON E. MOTTE AND YVONNE M. JOHNSON, AS THEIR INTERESTS APPEAR OF RECORD, EVELYN E. MOTTE, SURVIVING TRUSTEE OF THE JOHN V. MOTTE AND EVELYN E. MOTTE 1976 FAMILY TRUST DATED JUNE 24, 1976 AS TO AN UNDIVIDED 9.778% INTEREST AS TO DIVISION 11, , EXCEPT LOTS 60, 61 AND THE SOUTH 90 FEET OF LOT 62, ET AL
Grantee(s): MOTTE TOWNE CENTER, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES AND MISCELLANEOUS INSTRUMENTS

NO LEASES OR MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
21-308686.1

AFX Reference Number:
79-158866-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

Our professional network of trained researchers follow established industry protocols and use client-supplied property information to complete this Environmental Lien and AUL report. The research is conducted at all appropriate government offices based on the location of the subject property. This would include City, County, State, Federal and Tribal offices as needed. The report includes:

- Current deed information (i.e. grantor, grantee, recording dates)
- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
- Any Environmental Liens and/or documents referencing AULs that are listed within our summary report

DISCLAIMER

This report was prepared for the intended use of AFX Research, LLC (AFX) and client, exclusively. This report is not a guarantee of title, nor a commitment to insure, nor a policy of title insurance. No warranty, expressed or implied, is made whatsoever in connection with this report. AFX Research, LLC specifically disclaims the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

CITY OF MENIFEE

29714 Haun Road
Menifee, CA 92586
Phone: (951)672-6777
Fax:(951)679-3843

PLCK No:	Permit No: 11-0527
Date:	Date: 4/13/11
Amount:	Amount: 208.00
Ck #:	Ck #:

Building Combination Permit

TRUMBLE FARMS — **To Be Completed By Applicant**

Legal Description: LOT 125, PP #2011-003 | Planning Case: | F: | L: | Rt: | R:

Property Address: 26277 ANTELOPE RD | Assessor's Parcel Number: 331-150-044

Project/Tenant Name: | Unit #: | Floor #:

Property Owner
Name: TRUMBLE PROPERTIES LLC | Phone No. 951-830-2661 | Fax No.
Address: | Unit Number | Zip Code
Email Address:

Applicant
Name: HAROLD D. MEYERS | Phone No. 951-830-2661 | Fax No.
Address: 35286 E. 10th DR., WATKINS, CO | Unit Number | Zip Code 80137
Email Address:

Contractor
Name: VIEJO CONSTRUCTION CO. INC | Phone No. | Fax No.
Address: 35286 E. 10th DR., WATKINS, CO | City WATKINS | State CO | Zip Code 80137
Contractor's City Business License No. | Contractor's City State of California License No. | Classification:

Number of Squares:

Square Footage

Description of Work: REQUEST FOR ADDRESS | Cost of Work: $

Applicant's Signature | Date: 4/13/11

To Be Completed By City Staff Only

Indicate As R-Received or N/A-Not Applicable

5 Completes sets of fully dimensioned, drawn to sale plans which include:

- ☐ Title Sheet
- ☐ Plot / Site Plan
- ☐ Foundation Plan
- ☐ Floor Plan
- ☐ Elevations
- ☐ Roof Plan
- ☐ Cross Section
- ☐ Structural Framing Plan & Details
- ☐ Electrical Plan
- ☐ Mechanical Plan
- ☐ Plumbing Plan
- ☐ Shoring Plan

1 set of documents which include

- ☐ Geo Tech/Soils Report **(on cd only)**
- ☐ Title 24 Energy **(on 8 ½ x 11)**
- ☐ Structural Calculations
- ☐ Single Line diagram for elec. services over 400 AMP
- ☐ Sound Report - Residential

Class Code:	Indicate Work Type:	☐ New Construction	☐ Alteration*	☐ Addition*	Means/Methods Required? YES NO
		☐ Repair*	☐ Retrofit*	Revision to Existing Permit*	

Proposed Building Use(s): | Existing Building Use(s):

Buildings: | # Units: | # Stories: | Will the Building Have a Basement? Y of N

Bldg. Code Occupancy Group At Project Completion:	Indicate Construction Type(s):	Indicate if Sprinklered YES or NO	C 0f O Required? YES or NO	Indicate all that apply:	☐ Geo-tech. Haz. Zone ☐ Coastal Zone ☐ Noise Zone ☐ Listed on Historic Resources Inventory

CITY PLANNING STAFF ONLY

APPROVALS:		Costal Commiss		Arch. Review Board		Landmark Comm.		Planning Comm.	Zoning Administrator
Fee Exempt:		City Project		Elec. Vehicle Charger		Landmark		Seismic Retrofit	Special Case: Bldg. Official Approval
Expedite Project(s):		Child Care		City Project		Green Building		Landmark	Affordable Housing

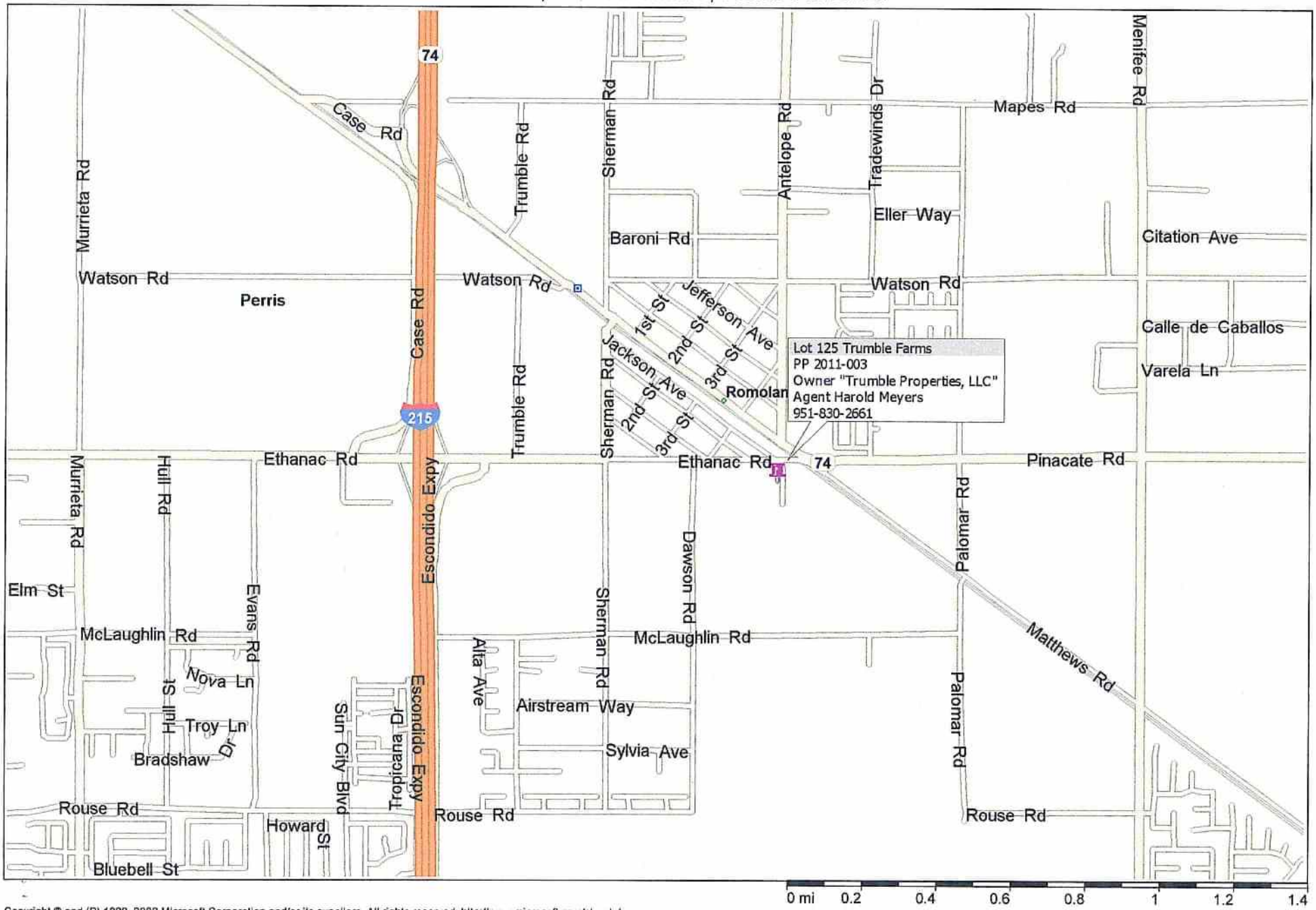
For Staff Use Only

Building/Safety	Permit Specialist	City Planning	Civil Engineering	EPWM - Admin	Transportation Mgmt.	Rent Control

THANK YOU FOR HELPING US CREATE A BETTER COMMUNITY

lot 125
26277
26285
26311
© 2011 Google

California, United States, North America



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RIVERSIDE COUNTY GIS



330
4
1320
264
#'s
for comm

26500 Dawson 27955 Mac Laughlin

Selected parcel(s):
331-150-044

IMPORTANT
Maps and data are to be used for reference purposes only. Map features are approximate, and are not necessarily accurate to surveying or engineering standards. The County of Riverside makes no warranty or guarantee as to the content (the source is often third party), accuracy, timeliness, or completeness of any of the data provided, and assumes no legal responsibility for the information contained on this map. Any use of this product with respect to accuracy and precision shall be the sole responsibility of the user.

REPORT PRINTED ON...Wed Apr 13 2011 10:14:00 GMT-0700 (Pacific Daylight Time)
Version 101221

Viejo Construction Co., Inc.
35286 East 10th Drive
Watkins, CO 80137
303-341-7550
Cell # 951-830-2661
FAX. #303-363-8946
hdmeyers@q.com

City of Menifee
APR 13 2011
Received

TRANSMITTAL

DATE: 4-10-2011

TO: Tony Elmo

FR: Harold D. Meyers

REF: Request for Address Lot 125, PP #2011-003

NUMBER OF PAGES: Four (4)

COMMENTS:

I have enclosed the following information as requested:

1. **Full size Parcel Map.**
2. **Vicinity Map covering 2-mile radius.**
3. **Vicinity map covering 1-mile radius.**
4. **Aerial of site.**
5. **Check in the amount of $208.00 payable to the City of Menifee.**

Code Enforcement Case: CE-18-1184

Entered on: 06/16/2018 10:05 AM
Printed on: 02/10/2021

Topic: Weed Abatement 2018
Status: Closed
Due Date: 06/30/18
Assigned To: Wayne O'Gara
Initiated by: Officer
Hearing Date:
Hearing Time:

Permit

Permit #:
Business name:
License #:

Property Location

Occupant Name:
Address: 26277 ANTELOPE RD , 92585
Phone:
Cell #:
APN : 331-150-044

Owner Information

Owner Name [redacted]
Addres [redacted]
[redacted]
Phone:
Cell #:

Actions

Action	By	Date	Time	Hours	Note/Observation
Inspection	Andrea Montes	06/16/2018	10:05 am	1.00	IN VIOLATION. 100 FT FROM ROADWAY AND/ OR STRUCTURE. HANDWORK REQUIRED; DEBRIS OR GREEN WASTE MUST BE REMOVED.
Failure to Comply - Weed Abatement	Andrea Montes	06/16/2018	10:06 am	0.00	Send to (Owner)
Administrative Citation	Andrea Montes	06/16/2018	10:06 am	0.00	Administrative Citation AC-18-005538 Send t [redacted] [redacted] Service By(Mailed)
Cert Mail Delivered	Andrea Montes	06/26/2018	1:12 pm	0.08	1ST ADMIN CTE/ FTC CERT#7017-1450-0002-1719-9952 - SIGNED [redacted]
Cert Mail Send	Andrea Montes	07/03/2018	8:49 am	0.08	1ST ADMIN CTE/ FTC CERT#7017-1450-0002-1719-9952
Case Notes	Andrea Montes	07/03/2018	9:45 am	0.08	E-mailed Public Works to find out if the areas shown in the photo is maintained by the City. At this time, I am waiting for the correspondence.
Phone Call	Andrea Montes	07/03/2018	1:34 pm	0.08	Returned phone call t [redacted] to inform her the parcel outside the green fence material is required to be abated as well as the interior of the property.
Closing Inspection	Andrea Montes	07/23/2018	3:23 pm	0.50	Second inspection has been conducted, property is in compliance.

Violations

#	Violation Type	Grouping	Due Date	Status	Closed Date
1	Abatement of Hazardous Vegetation - Duty to Abate Hazardous Vegetation - Ord 695, Section 3 as adopt Corrections Required:THE REQUIREMENTS OF THE NOTICE AND ORDER TO ABATE SHALL BE SATISFIED BY DISKING, MOWING, BRUSH-CUTTING, AND/OR HANDWORK AND REMOVAL OF CUT MATERIAL OF THE DANGEROUS VEGETATION AS INDICATED BELOW: -The parcel (including easements as required) shall have weeds cut and maintained as noted below AND free of junk and/or debris at all times -Keep clear a 100-foot wide strip where you are adjacent to a parcel with a structure -Keep clear a 100-foot wide strip where you are adjacent to any roadway	1		Open	

Fees

Fee Type	Date	Charges	Payments	Details
Administrative Citation - First	06/18/2018	100.00		Administrative Citation AC-18-005538
Citation Payment	07/23/2018		100.00	Receipt 001859-0022 (AC-18-005538) *Check 2161
		100.00	**100.00**	

Inspection Notes

Date: _____ Time: _____

Findings:_____

_____

_____

_____

Photographs



DSCF1335.JPG



DSCF1336.JPG

Proof of Service FTC & ADMIN CE-18-1184.pdf

GEO 02101

☑ LMS FOLDER COVER LETTER

☑ APPLICATION

☑ APPROVAL LETTER

☑ TECHNICAL REPORT(S)

☑ RESPONSE TO COMMENTS

☑ COUNTY COMMENTS LETTER(S)

☑ MISCELLEANOUS

☑ ENTITLEMENT MAPS / EXHIBITS

☑ IN FILE

☐ NOT IN FILE

GEO 02101

LMS FOLDER COVER LETTER

NUMBER OF PAGES: 1

#CC004541

****
*Case No: GEO02101 *
****

Applied: 09/26/2008

Proposal: GEOLOGIV REVIEW FOR PP23180 & PM35846
Appl Type: GEO3 GEOLOGIC REPORT APPROVAL
Location: N/MCLAUGHLIN RD, S/ETHANAC RD, E/ DAWSON RD, W/ ANTELOPE RD
Project size: 6.71 F/A: ACRES
Min lot size: F/A:
Lots/units:

Assessor Parcel No: 331150037
Section: 15 Twnshp/Range: T5S/R3W
Supervisor District: 3
Census Tract: 427.07
Team:

Zoning: SP ZONE
Zoning Area/Dist: ROMOLAND
Developer Agreement:

Open Space & Cons Elem: ADOPTED SPECIFIC PLANS, ANDAOS
Community Plan: Not in com plan
Category/Designation:

EA: 41640
Concurrent Cases: PM35846 PP23180 CFG04986
Related Cases: N/A

APPLICANT	MOTTE TOWN CENTER 1 445 SOUTH D ST PERRIS CA 92570	09/26/2008	Phone: 951 657-4281
ENG-REP	UNITED ENGINEERING GROUP 2990 INLAND EMPIRE BLV SUITE 111 ONTARIO CA 91764	09/30/2008	Phone: 909 466-9240
	DEAN PHILLIPS EXT 100		
PLANNER	JONES DAVID	09/30/2008	
OWNER	JOHN MOTTE P O BOX 992750 REDDING CA 96099	09/26/2008	

Planner: Russell Brady (Riv)

GEO 0 2 1 0 1

APPLICATION

NUMBER OF PAGES: 3

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

Planning Department

Ron Goldman · Planning Director

APPLICATION FOR SUBMITTAL OF PLANNING GEOLOGIC REPORT (GEO/SSR)

GEO No. GEO 07101

CHECK ONE AS APPROPRIATE:

- ☐ FAULT REPORT (GEO1)
- ☑ GEOTECHNICAL/GEOLOGICAL REPORT (GEO3)
- ☐ WAIVER OF GEOLOGICAL REPORT (GEO)
- ☐ LIQUEFACTION STUDY (GEO2)
- ☐ GEOLOGICAL WAIVER (GEO 4)
- ☐ SLOPE STABILITY REPORT (SSR1) (No fee required for SSR)

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED.

PARENT CASE NUMBER: PP23180 & PM35846 DATE SUBMITTED: 09/18/2008

APPLICATION INFORMATION

Applicant's Name: Motte Town Center 1 E-Mail: dphillips@unitedeng.com

Mailing Address: 445 South D St. (Street)

Perris (City) CA (State) 92570 (ZIP)

Daytime Phone No: (~~909~~ 951) ~~466-9240 x 100~~ 657-4281 Fax No: (~~909~~) ~~466-9253~~

Engineer/Representative's Name: Dean Phillips United Engineering Group E-Mail: dphillips@unitedeng.c

Mailing Address: 2990 Inland Empire Blvd. Suite 111 (Street)

Ontario (City) CA (State) 91764 (ZIP)

Daytime Phone No: (909) 466-9240 x 100 Fax No: (909) 466-9253

Property Owner's Name: Motte Town Center 1 E-Mail: mike@mikenaggar.com

Mailing Address: 445 South D St. (Street)

Perris (City) CA (State) 92570 (ZIP)

Daytime Phone No: (909) 466-9240 x 100 Fax No: (909) 466-9253

If the property is owned by more than one person, attach a separate page that references this application case number and lists the names, mailing addresses, and phone numbers of all persons having an interest in the real property or properties involved in this application.

APPLICATION FOR SUBMITTAL OF PLANNING GEOLOGIC REPORT (GEO/SSR)

Communications regarding this application will primarily be directed to the person identified above as the Applicant. The Applicant may be the property owner, representative, or other assigned agent.

AUTHORIZATION FOR CONCURRENT FEE TRANSFER

The signature below authorizes the Planning Department and TLMA to expedite the refund and billing process by transferring monies among concurrent applications to cover processing costs as necessary. Fees collected in excess of the actual cost of providing specific services will be refunded. If additional funds are needed to complete the processing of your application, you will be billed, and processing of the application will cease until the outstanding balance is paid and sufficient funds are available to continue the processing of the application. The applicant understands the deposit fee process as described above, and that there will be NO refund of fees which have been expended as part of the application review or other related activities or services, even if the application is withdrawn or the application is ultimately denied.

PRINTED NAME OF APPLICANT	*SIGNATURE OF APPLICANT*

AUTHORITY FOR THIS APPLICATION IS HEREBY GIVEN:

I certify that I am/we are the record owner(s) or authorized agent and that the information filed is true and correct to the best of my knowledge. An authorized agent must submit a letter from the owner(s) indicating authority to sign the application on the owner's behalf.

All signatures must be originals ("wet-signed"). Photocopies of signatures are **not** acceptable.

John D Motte	
PRINTED NAME OF PROPERTY OWNER(S)	*SIGNATURE OF PROPERTY OWNER(S)*
PRINTED NAME OF PROPERTY OWNER(S)	*SIGNATURE OF PROPERTY OWNER(S)*

If the subject property is owned by persons who have not signed as owners above, attach a separate sheet that references this application case number and lists the printed names and signatures of all persons having an interest in the property.

PROPERTY INFORMATION:

Assessor's Parcel Number(s): 331-150-037

Section: 15 Township: 5S Range: 3W

Approximate Gross Acreage: 6.71

General location (nearby or cross streets): North of McLaughlin Road, South of Ethanac Road, East of Dawson Road, West of Antelope Road.

Thomas Brothers map, edition year, page number, and coordinates: 838-E2 2006 Ed.

APPLICATION FOR SUBMITTAL OF PLANNING GEOLOGIC REPORT (GEO/SSR)

Proposal (describe project, indicate the number of proposed lots/parcels, units, and the schedule of the subdivision):

6.7 acre industrial site with one parcel for industrial condominium purposes with 4 buildings and 35 units. The project is a schedule "A" subdivision.

Related cases filed in conjunction with this request:

Is there a previous development application filed on the same site: Yes ☐ No ☐

If yes, provide Case No. PP23180 & PM35846 (Parcel Map, Zone Change, etc.)

E.A. No. (if known) _____ E.I.R. No. (if applicable): N/A

GEO 02101

APPROVAL LETTER

NUMBER OF PAGES: 1

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

December 8, 2008 Pages 5 (including this cover)

EnGEN Corporation
Fax: (951) 834-9001
Attention: Eric Davisson

RE: Conditions of Approval
County Geologic Report No. 2101
Geotechnical/Geological Engineering Study, Motte Industrial – Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS

Please see the attached comments pertaining to the subject report. Please call me at (951) 955-6863 or Mr. David Gaddie at (951) 955-1935 if you have any questions.

Sincerely,

RIVERSIDE COUNTY PLANNING DEPARTMENT
Ron Goldman, Planning Director

David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

Attachments: Conditions of Approval

cc: Planner: Russell Brady, Riverside Office, Fax: (951) 955-3157
Eng/Rep: Dean Phillips, United Engineering Group, Fax: (909) 466-9253
File: GEO02101, PP23180, PM35846

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Riverside Office · 4080 Lemon Street, 9th Floor
P.O. Box 1409, Riverside, California 92502-1409
(951) 955-3200 · Fax (951) 955-3157

Desert Office · 38686 El Cerrito Road
Palm Desert, California 92211
(760) 863-8277 · Fax (760) 863-7555

PLOT PLAN:TRANSMITTED Case #: PP23180 Parcel: 331-150-037

10. GENERAL CONDITIONS

PLANNING DEPARTMENT

10.PLANNING. 42 USE - GEO02101 RECOMMND

County Geologic Report (GEO) No. 2101, submitted for this project (PP23180 & PM35846), was prepared by EnGEN Corporation and is entitled: "Geotechnical/Geological Engineering Study, Motte Industrial - Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS" dated June 27, 2007. In addition, EnGEN submitted the following report:

"Response to Review Comments, GEO #2101, Motte Industrial - Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-CS" dated November 6, 2008.

This additional report is now included as part of GEO No. 2101.

GEO No. 2101 concluded:

1.Based on review of published literature, site mapping and aerial photo review, there is no evidence of active faulting crossing or trending toward this site. Therefore there is a low potential for this site to be affected by surface fault rupture.

2.Due to the depth to groundwater and the relative high densities of the soils encountered beneath this site, there is a low potential for this site to be affected by seismically induced liquefaction.

3.Except for the potential for this site to be affected by strong seismic shaking, there is a low potential for this site to be affected by other secondary seismic hazards such as seiche/tsunami, seismically induced settlement, seismically induced flooding or seismically induced landsliding or rockfall.

GEO No. 2100 recommended:

1.Due to the potential for this site to be affected by strong seismic shaking, any proposed construction should be designed in accordance with all applicable seismic design provisions of the recently adopted California Building Code

10. GENERAL CONDITIONS

10.PLANNING. 42 USE - GEO02101 (cont.) RECOMMND

(CBC 2007).

2.Due to the relatively low density surficial soils present on this site, all loose surficial soils should be removed to a depth sufficient to expose material exhibiting an in-place relative compaction of at least 85% as determined by ASTM D 1557-02. It is estimated that these removals will be about 3 feet below existing grade.

3.Prior to placing any fills, the approved removal bottoms should be scarified to a depth of 12 inches, brought to near optimum moisture content and compacted to a minimum of 90% of the maximum dry density as determined by ASTM D 1557-02.

4.The removed surficial soils may be used as fill soil provided they are cleaned of any organics or other deleterious materials. All fill soils should be spread in lifts not to exceed 10 inches in compacted thickness, brought to near optimum moisture content and compacted to a minimum of 90% of the maximum dry density as determined by ASTM D 1557-02 and verified by field density testing.

5.Upon completion of the grading, the building pad soils should be tested for expansion potential and the foundation design parameters should be based on the results of that testing.

GEO No. 2101 satisfies the requirement for a Geologic Study for Planning / CEQA purposes. GEO No. 2101 is hereby accepted for Planning purposes. This approval is not intended, and should not be misconstrued as approval for grading permit. Engineering and other building code parameters will be reviewed and additional comments and/or conditions may be imposed by the Building and Safety Department upon application for grading and/or building permits.

PARCEL MAP Parcel Map #: PM35846 Parcel: 331-150-037

10. GENERAL CONDITIONS

PLANNING DEPARTMENT

10.PLANNING. 19 MAP - GEO02101 RECOMMND

County Geologic Report (GEO) No. 2101, submitted for this project (PP23180 & PM35846), was prepared by EnGEN Corporation and is entitled: "Geotechnical/Geological Engineering Study, Motte Industrial - Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS" dated June 27, 2007. In addition, EnGEN submitted the following report:

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10. GENERAL CONDITIONS

10.PLANNING. 19 MAP - GEO02101 (cont.) RECOMMND

(CBC 2007).

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** Transmit Confirmation Report **

P.1
PLANNING Fax:951-955-0923

Dec 9 2008 09:05am

Name/Fax No.	Mode	Start	Time	Page	Result	Note
98349001	Normal	09,09:02am	1'38"	5	* O K	BrdCast
919094669253	Normal	09,09:04am	0'56"	5	# O K	BrdCast

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

December 8, 2008 Pages 5 (including this cover)

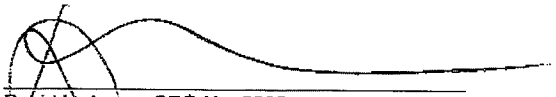
EnGEN Corporation
Fax: (951) 834-9001
Attention: Eric Davisson

RE: Conditions of Approval
County Geologic Report No. 2101
Geotechnical/Geological Engineering Study, Motte Industrial – Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS

Please see the attached comments pertaining to the subject report. Please call me at (951) 955-6863 or Mr. David Gaddie at (951) 955-1935 if you have any questions.

Sincerely,

RIVERSIDE COUNTY PLANNING DEPARTMENT
Ron Goldman, Planning Director



David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

Attachments: Conditions of Approval

cc: Planner: Russell Brady, Riverside Office, Fax: (951) 955-3157
Eng/Rep: Dean Phillips, United Engineering Group, Fax: (909) 466-9253
File: GEO02101, PP23180, PM35846

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LARRY D. COOLEY, PE

MEMORANDUM
Technical Review Comments

DATE: November 18, 2008

TO: **David L. Jones** – County Geologist

County of Riverside – Transportation and Land Management Agency

FROM: **Larry D. Cooley**, PE; Geotechnical Consultant – County of Riverside Planning Department

RE: GEO No. 02101: Geotechnical Report Review located in Romoland Area – Proposed Motte Industrial; Response to Comments of November 06, 2008 by EnGEN Corp.

CONSULTANT SUMMARY AND RECOMMENDATIONS

Basically, the subject comments from the initial review of the reference GEO report have been adequately addressed, and from a geotechnical standpoint I recommend acceptance for clearance by this division of the Planning Department.

GEO 0 2 1 0 1

TECHNICAL REPORT(S)

NUMBER OF PAGES: 64

EnGEN CORPORATION

GEOTECHNICAL/GEOLOGICAL ENGINEERING STUDY
Motte Industrial - Assessor's Parcel Number: 331-150 -037
Antelope Road and Ethanac Road
Romoland Area, Riverside County, California
Project Number: M3643-GS

June 27, 2007

Prepared for:
Motte Town Center I, LLC
445 South D Street
Perris, California 92570

25759 Jefferson Avenue, Murrieta, California 92562 • Phone: (951) 834-9000 • Fax: (951) 834-9001

TABLE OF CONTENTS

Section Number and Title **Page**

1.0 **EXECUTIVE SUMMARY** 1

2.0 **INTRODUCTION** 2
- 2.1 Authorization 2
- 2.2 Scope of Work 2
- 2.3 Previous Site Studies 2

3.0 **PROPOSED DEVELOPMENT / PROJECT DESCRIPTION** 2

4.0 **SITE DESCRIPTION** 3

5.0 **FIELD STUDY** 3

6.0 **LABORATORY TESTING** 4
- 6.1 General 4
- 6.2 Classification 4
- 6.3 In-Situ Moisture Content and Density Test 4
- 6.4 Maximum Dry Density / Optimum Moisture Content Relationship Test 4
- 6.5 Consolidation Test 4
- 6.6 Direct Shear Test (Remolded) 5
- 6.7 Expansion Test 5
- 6.8 Soluble Sulfate Test 5
- 6.9 pH/Minimum Resistivity 5
- 6.10 Chloride Content 5
- 6.11 Plasticity Index Test 6

7.0 **ENGINEERING GEOLOGY** 6
- 7.1 Geologic Setting 6
- 7.2 Faulting 6
  - 7.2.1 San Jacinto Fault Zone 6
- 7.3 Seismicity 6
- 7.4 Earth Materials 7
  - 7.4.1 Undocumented Fill Material (Not Mapped) 8
  - 7.4.2 Alluvium (Qal) 8
- 7.5 Groundwater 8
- 7.6 Liquefaction Evaluation 8
- 7.7 Secondary Effects of Seismic Activity 9

8.0 **CONCLUSIONS AND RECOMMENDATIONS** 10
- 8.1 General 10
- 8.2 Earthwork Recommendations 10
  - 8.2.1 General 10
  - 8.2.2 Clearing 11
  - 8.2.3 Excavation Characteristics 11
  - 8.2.4 Suitability of On-Site Materials as Fill 11
  - 8.2.5 Removal and Recompaction 11
  - 8.2.6 Fill Placement Requirements 12

TABLE OF CONTENTS (Continued)

Section Number and Title **Page**

8.2.7 Oversize Material 12
8.2.8 Compaction Equipment 13
8.2.9 Shrinkage and Bulking 13
8.2.10 Fill Slopes 13
8.2.11 Cut Slopes 14
8.2.12 Keyways 14
8.2.13 Subdrains 14
8.2.14 Observation and Testing 14
8.2.15 Soil Expansion Potential 15
8.2.16 Corrosivity Suite 15
8.3 Foundation Design Recommendations 15
8.3.1 General 15
8.3.2 Foundation Size 16
8.3.3 Depth of Embedment 16
8.3.4 Bearing Capacity 16
8.3.5 Settlement 16
8.3.6 Lateral Capacity 17
8.3.7 Seismic Design Parameters 17
8.4 Slab-on-Grade Recommendations 17
8.4.1 Interior Slabs 18
8.4.2 Exterior Slabs 18
8.5 Pavement Design Recommendations 18
8.6 Utility Trench Recommendations 19
8.7 Finish Lot Drainage Recommendations 20
8.8 Planter Recommendations 21
8.9 Temporary Construction Excavation Recommendations 21
8.10 Retaining Wall Recommendations 22
8.10.1 Earth Pressures 22
8.10.2 Foundation Design 22
8.10.3 Subdrain 22
8.10.4 Backfill 23
9.0 **PLAN REVIEW** 23
10.0 **PRE-BID CONFERENCE** 24
11.0 **PRE-GRADING CONFERENCE** 24
12.0 **CONSTRUCTION OBSERVATIONS AND TESTING** 24
13.0 **CLOSURE** 25

APPENDIX: TECHNICAL REFERENCES
TABLE A – DISTANCE TO STATE DESIGNATED ACTIVE FAULTS
SETTLEMENT CALCULATIONS
GEOTECHNICAL BORING LOGS
LABORATORY TEST RESULTS
DRAWINGS

June 27, 2007

Mr. Sean Duregger
Motte Town Center I, LLC
445 South D Street
Perris, California 92570
(951) 657-4281/ FAX (951) 657-2406

Regarding: **GEOTECHNICAL / GEOLOGICAL ENGINEERING STUDY**
Motte Industrial - Assessor's Parcel Number: 331-150-037
Antelope Road and Ethanac Road
Romoland Area, Riverside County, California
Project Number: M3643-GS

Dear Mr. Duregger:

According to your request and signed authorization, we have performed a Geotechnical/Geological Engineering Study for the subject project. The purpose of this study was to evaluate the existing geologic and geotechnical conditions within the subject property with respect to recommendations for rough grading of the site and design recommendations for foundations, slabs-on-grade, etc., for the proposed development. Submitted, herewith, are the results of this firm's findings and recommendations, along with the supporting data.

1.0 EXECUTIVE SUMMARY

A geotechnical/geological study of the subsurface conditions of the subject site has been performed for the proposed development. Exploratory excavations have been completed and earth material samples subjected to laboratory testing. The data has been analyzed with respect to the project information furnished to us for the proposed development. It is the opinion of this firm that the proposed development is feasible from a geotechnical/geological standpoint, provided that the recommendations presented in this report are implemented in the design and construction of the project.

The site subsurface primarily consists of alluvium. Some undocumented fill occurs on-site in the form of randomly placed planter soil stockpiles approximately 15-feet tall in height. It appears that the soil stockpiles have at one time covered nearly all locations of the sites surface, therefore it appears that there may be a thin cover of undocumented fill in the upper 2-feet below ground surface (bgs). The undocumented fill and shallow unsuitable alluvium should be removed to competent alluvium according to the recommendations as provided in order to

maintain tolerable settlement predictions. Anticipated removal depths are on the order of 3-feet below existing ground surface, as discussed in section 8.2.5.

Grading and foundation plans were not available at the time this report was prepared. When these plans become available, they should be provided to this office for subsequent review so that additional recommendations may be prepared, if necessary.

2.0 INTRODUCTION

2.1 **Authorization:** This report presents the results of the geotechnical engineering and engineering geology study performed on the subject site for the proposed development. Authorization to perform this study was in the form of a signed proposal.

2.2 **Scope of Work:** The scope of work performed for this study was designed to determine and evaluate the surface and subsurface conditions within the subject site with respect to its geotechnical characteristics, and to provide recommendations and criteria for use by the design engineer and architect for the development of the site and for design and construction of the proposed development. The scope of work included the following: site reconnaissance, surface geologic mapping; subsurface exploration; sampling of on-site earth materials; laboratory testing; engineering analysis of field and laboratory data; and the preparation of this report.

2.3 **Previous Site Studies:** No previous geotechnical/geological studies are known by this firm to have been performed for this site. If a previous site study has been performed for all or part of the subject site, the report(s) should be provided to **EnGEN Corporation,** for review and preparation of additional recommendations, if necessary.

3.0 PROPOSED DEVELOPMENT / PROJECT DESCRIPTION

Grading plans were not available for review at the time of this study. The grading plans should be made available to this office for subsequent review so that additional recommendations may be prepared, if necessary. It is our understanding that the proposed development will consists of one or two-story, wood-framed type buildings with slab-on-grade foundations, with associated landscape and hardscape improvements. It is assumed that relatively light loads will be imposed on the foundation soils. The foundation loads are not anticipated to exceed 2,000 pounds per lineal foot (plf) for continuous footings. The above project description and assumptions were used as the basis for the field and laboratory

exploration and testing programs, and the engineering analysis for the conclusions and recommendations presented in this report. This office should be notified if structures, foundation loads, grading, and/or details other than those represented herein are proposed for final development of the site so a review can be performed, supplemental evaluation prepared, and revised recommendations submitted, if required.

4.0 SITE DESCRIPTION

The site consists of approximately 6.7-acres located at the southwest corner of the intersection of Antelope Road and Ethanac Road in the Romoland area of Riverside County, California. The proposed development includes five (5) concrete tilt-up industrial buildings. The site is currently undeveloped and in use as a planter soil-type sales and distribution yard. The planter soils are stored on-site as stockpiles. The site is relatively flat with regional drainage primarily by sheet flow to the west. The topographic relief of the site, excluding the stockpiles is approximately 4-feet (RCFCWCD, 2004). The site is bound by a chain link fence.

5.0 FIELD STUDY

Field reconnaissance and geologic mapping was conducted on April 24, 2007, by our Field Geologist. A study of the property's subsurface condition was performed to evaluate underlying earth strata and the presence of groundwater. Four (4) exploratory soil borings were excavated on the study site by **Martini Drilling** utilizing a CME 75 truck-mounted drill rig, equipped with 7.0-inch outside diameter continuous flight hollow-stem augers. The maximum depth explored on site was approximately 51.5-feet below the existing ground surface (bgs). Relatively undisturbed ring samples of the earth materials encountered were obtained at various depths in the exploratory borings. Bulk samples were collected from the soil borings. All soil samples were subsequently returned to our soils laboratory for verification of field classifications and testing. Bulk samples were obtained from cuttings developed during the excavation process and represent a mixture of the soils within the depth indicated on the logs. Relatively undisturbed samples of the earth materials encountered in the soil borings were obtained by driving a thin-walled steel sampler lined with 1.0-inch high, 2.416-inch inside diameter brass rings. The sampler was driven with successive drops of a 140-pound weight having a free fall of approximately 30-inches. The blow counts for each successive 6.0-inches of penetration, or fraction thereof, are shown in the Geotechnical Boring Logs presented in the Appendix. The ring samples were retained in close-fitting

moisture-proof containers and returned to our laboratory for testing. The approximate locations of the soil borings are denoted on the Geotechnical Site Plan (Plate 1). The exploratory soil borings were backfilled with bentonite.

6.0 LABORATORY TESTING

6.1 **General:** The results of laboratory tests performed on samples of earth material obtained during the field investigation are presented in the Geotechnical Boring Logs in the Appendix. Following is a listing and brief explanation of the laboratory tests performed. The samples obtained during the field investigation will be discarded 30 days after the date of this report. This office should be notified immediately if retention of samples will be needed beyond 30 days.

6.2 **Classification:** The field classification of soil materials encountered in the geotechnical borings was verified in the laboratory, in general accordance with the Unified Soils Classification System, ASTM D 2488-00, Standard Practice for Determination and Identification of Soils (Visual-Manual Procedures).

6.3 **In-Situ Moisture Content and Density Test:** The in-situ moisture content and dry density were determined in general accordance with ASTM D 2216-98 and ASTM D 2937-00 procedures, respectively, for each selected undisturbed sample obtained. The dry density is determined in pounds per cubic foot and the moisture content is determined as a percentage of the oven dry weight of the soil.

6.4 **Maximum Dry Density / Optimum Moisture Content Relationship Test:** Maximum dry density/optimum moisture content relationship determinations were performed on samples of near-surface earth material in general accordance with ASTM D 1557-02 procedures using a 4.0-inch diameter mold. Samples were prepared at various moisture contents and compacted in five (5) layers using a 10-pound weight dropping 18-inches and with 25 blows per layer. A plot of the compacted dry density versus the moisture content of the specimens is constructed and the maximum dry density and optimum moisture content determined from the plot.

6.5 **Consolidation Test:** Settlement predictions of the on-site soil and compacted fill behavior under load were made, based on consolidation tests that were performed in general accordance with ASTM D 2435-03 procedures. The consolidation apparatus is designed to receive a 1.0-inch high, 2.416-inch diameter ring sample. Porous stones are placed in

contact with the top and bottom of each specimen to permit addition and release of pore water and pore pressure. Loads normal to the face of the specimen are applied in several increments in a geometric progression under both field moisture and submerged conditions. The resulting changes in sample thickness are recorded at selected time intervals. Water was added to the test apparatus at various loads to create a submerged condition and to measure the collapse potential (hydroconsolidation) of the sample. The resulting change in sample thickness was recorded.

6.6 **Direct Shear Test (Remolded):** Direct shear tests were performed on selected samples of near-surface earth material in general accordance with ASTM D 3080-03 procedures. The shear machine is of the constant strain type. The shear machine is designed to receive a 1.0-inch high, 2.416-inch diameter ring sample. Specimens from the sample were sheared at various pressures normal to the face of the specimens. The specimens were tested in a submerged condition. The maximum shear stresses were plotted versus the normal confining stresses to determine the shear strength (cohesion and angle of internal friction).

6.7 **Expansion Test:** Laboratory expansion tests were performed on samples of near-surface earth material in general accordance with the California Building Code Standard (CBC 18-2). In this testing procedure, a remolded sample is compacted in two (2) layers in a 4.0-inch diameter mold to a total compacted thickness of approximately 1.0-inch by using a 5.5-pound weight dropping 12-inches and with 15 blows per layer. The sample is compacted at a saturation of between 49 and 51 percent. After remolding, the sample is confined under a pressure of 144 pounds per square foot (psf) and allowed to soak for 24 hours. The resulting volume change due to the increase in moisture content within the sample is recorded and the Expansion Index (EI) calculated.

6.8 **Soluble Sulfate Test:** Samples of near-surface earth material were obtained for soluble sulfate testing for the site. The concentration of soluble sulfates was determined in general conformance with California Test Method 417 procedures.

6.9 **pH/Minimum Resistivity:** Sample(s) of near surface soils tested for pH and minimum resistivity in general conformance to CTM 643.

6.10 **Chloride Content:** Sample(s) of near surface soils were tested for chloride content in general conformance to CTM 422.

7.0 ENGINEERING GEOLOGY

7.1 **Geologic Setting:** The site is located in the Northern Peninsular Range on the structural unit known as the Perris Block. The Perris Block is bounded on the northeast by the San Jacinto Fault Zone, on the southwest by the Elsinore Fault Zone, and on the north by the Cucamonga Fault Zone. The southern boundary of the Perris Block is not as distinct, but is believed to coincide with a complex group of faults trending southeast from the Murrieta, California area. The Peninsular Range is characterized by large Mesozoic age intrusive rock masses flanked by volcanic, metasedimentary, and sedimentary rocks. Various thicknesses of alluvial sediments derived from the erosion of the elevated portions of the region fill the low-lying areas. Undocumented fill and alluvium underlie the subject property and surrounding area. The earth materials encountered on the subject site are described in more detail in Section 7.4, Earth Materials, of this report.

7.2 **Faulting:** The site is not located within an Alquist-Priolo Earthquake Fault Zone (Hart and Bryant, updated 1999). No known active faults traverse the property. The nearest active faults to the site are described below:

7.2.1 **San Jacinto Fault Zone:** The San Jacinto Fault – San Jacinto Valley Segment is located approximately 17.2 kilometers (10.7 miles) northeast of the site. The Elsinore Fault Zone is a prominent and youthful structural boundary between the Perris Block to the southwest and the San Jacinto Block to the northeast. The San Jacinto Fault Zone generally trends northwest-southeast and is a major right lateral strike-slip fault, that has displayed surface rupture and associated seismic ground shaking in 1899, 1918, 1923, 1934, 1937, 1942, and 1954.

7.3 **Seismicity:** The project lies within an active area of faulting and seismicity in the Southern California region. This predominance of seismic activity has been associated with the San Jacinto Fault Zone along its southeast section in the vicinity of the Salton Sea, and within the northwest portion near its junction with the San Andreas Fault Zone. The predominance of the remaining recorded activity has been associated with the San Andreas Fault Zone. A list of faults within 62 miles (100 kilometers) of the site is shown on Table A in the Appendix. Based on the computer program EQ Search, by Thomas F. Blake, the maximum peak ground acceleration experienced at the site since 1800 was approximately

0.39g from a magnitude 6.8 earthquake located approximately 16 kilometers from the site that occurred in 1918 (Blake, 2004b).

Although no known active faults exist within the project limits, the site will experience ground motion and effects from earthquakes generated along active faults located off-site.

To estimate the potential ground shaking, **EnGEN Corporation** has analyzed the seismic parameters using the probabilistic ground motion analysis. The probabilistic ground motion analysis requires information regarding fault geometry, the magnitude of the maximum credible earthquake on each fault, and the regional attenuation equation, which relates the considered seismic parameters to the magnitude and the source-site distance. To perform this analysis, **EnGEN Corporation** utilized the computer software FRISKSP developed by Thomas F. Blake (Blake, 2004c).

The attenuation relationship by Boore et al. (1997) for soil type **SD (stiff soil – shear wave velocity 250 m/s)** was utilized. For a complete discussion of the software and probabilistic methods the reader is referred to Blake (2004a, b, c).

The intensity of ground shaking at a given location depends primarily upon the earthquake magnitude, distance from the source (epicenter), and the site response characteristics. The **San Jacinto Fault – San Jacinto Valley Segment** is potentially capable of producing the most intense horizontal ground acceleration at the site, due to its proximity and associated **maximum credible earthquake magnitude of 6.9.** Such an earthquake near the site could produce seismic shaking with an **estimated maximum credible peak horizontal ground acceleration of 0.50g**. The maximum credible peak horizontal acceleration is the maximum acceleration that appears capable of occurring under the presently known tectonic framework, and has a 10 percent chance of exceedance in 50 years.

In sum, these results are based on many unavoidable geological and statistical uncertainties, but are consistent with current standard-of-practice. As engineering seismology evolves, and as more fault-specific geological data are gathered, more certainty and different methodologies may also evolve.

7.4 **Earth Materials:** A brief description of the earth materials encountered in the exploratory excavations is presented in the following sections. A more detailed description of the earth

materials encountered is presented on the Geotechnical Boring Logs in the Appendix. The earth material strata as shown on the logs represent the conditions in the actual exploratory locations and other variations may occur between the excavations. Lines of demarcation between the earth materials on the logs represented the approximate boundary between the material types; however, the transition may be gradual.

7.4.1 **Undocumented Fill Material (Not Mapped):** Undocumented fill material was observed at the surface of the subject site in form of planter soil stockpiles with a thin cover of associated spoils across the site, estimated at less than 2.5-feet bgs, based on the soil samples collected on-site. However, some deeper areas may occur. These materials and any other encountered undocumented fills should be removed and may be reused in fill provided they are properly cleaned of organics and debris. However, it is our understanding that the stockpiles will be removed from the site prior to grading activities.

7.4.2 **Alluvium (Qal):** Alluvium underlies the undocumented fill material at the site. Based on our observations, the alluvial materials extended to the total depth explored of 51.5-feet bgs. The alluvium was observed to be primarily comprised of sandy silt, clayey silt, silty clay, silty sands, clayey sand or clean sands. The alluvium exhibited conditions that were medium dense to very dense, or soft to hard and moist to wet in-place.

7.5 **Groundwater:** Groundwater was not encountered in on-site borings. Based on our observations of soil samples, a historical groundwater high indicator, such as mottling, was not observed in soil samples. Based upon the available groundwater data from the Geotracker website, no sites listed in Romoland appear to have encountered groundwater during on-site activities.

7.6 **Liquefaction Evaluation:** Liquefaction is a phenomenon where a sudden large decrease of shearing resistance takes place in fine-grained cohesionless and/or low plasticity cohesive soils due to the cyclic stresses produced by earthquakes causing a sudden, but temporary, increase of porewater pressure. The increased porewater pressure occurs below the water table, but can cause propagation of groundwater upward into overlying soil and possibly to the ground surface and cause sand boils as excess porewater escapes. Potential hazards due to liquefaction include significant total and/or differential settlements of the ground surface and structures as well as possible collapse of structures due to loss of support of foundations. It has been shown by laboratory testing and from the analysis of soil conditions

at sites where liquefaction has occurred that the soil types most susceptible to liquefaction are saturated, fine-grained sand to sandy silt with a mean grain size ranging from approximately 0.075 mm to 0.5 mm. These soils derive their shear strength from intergranular friction and do not drain quickly during earthquakes. Published studies and field and laboratory test data indicate that coarse-grained sands and silty or clayey sands beyond the above-mentioned grain size range are considerably less vulnerable to liquefaction. To a large extent, the relative density of the soil also controls the susceptibility to liquefaction for a given number of cycles and acceleration levels during a seismic event. Other characteristics such as confining pressure and the stresses created within the soil during a seismic event also affect the liquefaction potential of a site. Liquefaction of soil does not generally occur at depths of greater than 40 to 50-feet below ground surface due to the confining pressure at that depth. To perform the liquefaction analysis, the computer software LIQUEFY2 (Blake, 1998) is typically utilized. The potential for liquefaction of the site is considered to be very low due to the following conditions:

- Groundwater was not encountered to a maximum depth of 51.5-feet bgs on-site and is not expected to encroach above that depth based upon available soil samples and regional groundwater data.
- High relative densities and blow counts were encountered in the majority of the soils below the zone of proposed recompaction.

Based on these findings, no further calculation or evaluation of liquefaction is considered necessary and settlement due to liquefaction is anticipated to be negligible.

7.7 **Secondary Effects of Seismic Activity:** The secondary effects of seismic activity normally considered as possible hazards to a site include various types of ground failure and induced flooding from dam failure. The nearest large confined bodies of water to the site are the Lake Perris Reservoir located approximately 6.5 miles to the north and the Diamond Valley Reservoir located approximately 7.0 miles east. It is our understanding that both regional bodies of water have water surface elevation controls designed to provide appropriate safety factors with respect to the seismic forces that are expected to act on them. Therefore, seismically-induced flooding and earthquake-induced surface flooding due to seiches is considered low. Due to the distance from the Pacific Ocean, the probability of a tsunami impacting the site is considered nil. The probability of occurrence of each type of ground failure depends on the severity of the earthquake, the distance of

the site from the zone of maximum energy release of the quake, the topography of the site, the subsurface materials at the site, and groundwater conditions beneath the site, besides other factors. Since there are no active faults on the site, the probability of hazards due to fault ground surface rupture is considered low. Due to the low topographic relief on-site, it is considered that the potential for earthquake-induced landslides is low.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 **General:** The conclusions and recommendations presented in this report are based on the results of field and laboratory data obtained from the exploratory excavations located across the property, and the project description and assumptions presented in Section 3.0, Proposed Development/Project Description, of this report. Based on the field and laboratory data and the engineering analysis performed, it is considered that the proposed development is feasible from a geotechnical/geological standpoint. The actual conditions of the near-surface supporting material across the site may vary. The nature and extent of variations of the surface and subsurface conditions between the exploratory excavations may not become evident until construction. If variations of the material become evident during grading, this office should be notified so that **EnGEN Corporation** can evaluate the characteristics of the material and, if needed, prepare revisions to the recommendations presented herein. Recommendations for general site grading, foundations, slab support, pavement design, slope maintenance, etc., are presented in the subsequent paragraphs.

8.2 Earthwork Recommendations:

8.2.1 **General:** The grading recommendations presented in this report are intended for: 1) the use of a conventional shallow foundation system and concrete slabs cast on-grade; and 2) the rework of unsuitable near-surface earth materials to create an engineered building pad and suitable support for exterior hardscape (sidewalks, patios, etc.) and pavement. If pavement subgrade soils are prepared at the time of rough grading of the building site and the areas are not paved immediately, additional observations and testing of the subgrade soil will have to be performed before placing aggregate base material or asphaltic concrete or PCC pavement to locate areas which may have been damaged by construction traffic, construction activities, and/or seasonal wetting and drying. The following recommendations may need to be modified and/or supplemented during rough grading as field conditions require.

8.2.2 **Clearing:** All debris, refuse, roots, grasses, weeds, brush and other deleterious materials should be removed from the proposed structure, exterior hardscape and pavement areas, as well as any areas to receive structural fill before grading is performed. No discing or mixing of organic material into the soils should be performed. Man-made objects encountered should be overexcavated and exported from the site.

8.2.3 **Excavation Characteristics:** Excavation and trenching within the alluvium is anticipated to be relatively easy to moderately difficult.

8.2.4 **Suitability of On-Site Materials as Fill:** In general, the on-site earth materials present are considered suitable for reuse as fill. Fill materials should be free of significant amounts of organic materials and/or debris. Fill materials should not contain rocks greater than 6-inches in maximum diameter in the upper 5.0-feet of fill. Fill materials should not contain rocks greater than 12-inches in maximum diameter between 5 and 10-feet below proposed pad grade. Fills deeper than 10-feet may be used for oversize disposal. Oversize disposal of rocks greater than 12-inches maximum diameter may be conducted in accordance with Section 8.2.7, Oversize Material, of this report.

8.2.5 **Removal and Recompaction:** All existing undocumented fills and/or unsuitable, loose, or disturbed near-surface soil in areas that will support structural fills, structures, exterior hardscape (sidewalks, patios, etc.), and pavement should be removed. The grading plans should be made available for review by this office in order to prepare additional recommendations, if necessary. The following recommendations are based on field and laboratory results:

1. Any undocumented fill material to be encountered at the time of grading will require removal to competent alluvium.
2. Based on our field and laboratory findings, removals should extend to a minimum of 3-feet below existing grade, deeper removals are not expected. Further recommendations for removals should be provided following a grading plan review once one becomes available.
3. Removal bottoms should be tested for competency. A competent removal bottom should be defined as an undisturbed bottom which is a minimum of 85 percent compact, and free of large or abundant pores. Bottoms which are not a minimum of 85 percent compact should be deepened.

4. Removals in the hardscape portions of the site should be performed to 2-feet below existing grade in fill areas, and to 2-feet below proposed grade in cut areas.
5. All exposed removal and overexcavation bottoms should be inspected by the Project Geologist, and/or his representative prior to placement of any fill.
6. The approved exposed bottoms of all removal areas should be scarified 12-inches, brought to near optimum moisture content, and compacted to a minimum of 90 percent relative compaction before placement of fill. Maximum dry density and optimum moisture content for compacted materials should be determined in accordance with ASTM D 1557-02 procedures.
7. Geologic contacts as shown on the attached site plan and boring logs are approximate. Final determination of removal and overexcavation depths should be made during grading.
8. If import material is planned to be used, this firm should be notified immediately to perform additional testing and provide further recommendations, as necessary.

8.2.6 **Fill Placement Requirements:** All fill material, whether on-site material or import, should be approved by the Project Geotechnical Engineer and/or his representative before placement. All fill should be free of vegetation, organic material, and debris. Oversized material should be disposed of in accordance with Section 8.2.7, Oversize Material, of this report. Import fill should be no more expansive than the existing on-site material. Approved fill material should be placed in horizontal lifts not exceeding 10-inches in compacted thickness and watered or aerated to obtain near optimum moisture content (±2.0 percent of optimum). Each lift should be spread evenly and should be thoroughly mixed to ensure uniformity of soil moisture. Structural fill should meet a minimum relative compaction of 90 percent. Maximum dry density and optimum moisture content for compacted materials should be determined in accordance with ASTM D 1557-02 procedures. Moisture content of fill materials should not vary more than 2.0 percent from optimum, unless approved the Project Geotechnical Engineer.

8.2.7 **Oversize Material:** Oversize material is defined as rock, or other irreducible material with a dimension greater than 12-inches. Oversize material shall not be buried or placed in fill unless location, materials, and placement methods are specifically accepted by the Project Geotechnical Engineer. Placement operations shall be such that nesting of oversize material

does not occur, and such that the oversize material is completely surrounded by compacted fill (windrow). Alternative methods, such as water jetting or wheel rolling with a backhoe may be required to achieve compaction in the fill materials immediately adjacent to the windrow. Oversize material shall not be placed within ten (10) vertical feet of finish grade, within fifteen (15) lateral feet of a finished slope face, or within two (2) feet of future utilities.

8.2.8 **Compaction Equipment:** It is anticipated that fill compaction for the project will be achieved by the use of a combination of rubber-tired and track-mounted heavy construction equipment. Compaction by rubber-tired or track-mounted equipment, by itself, may not be sufficient. Adequate water trucks, water pulls, and/or other suitable equipment should be available to provide sufficient moisture and dust control. The actual selection of equipment is the responsibility of the contractor performing the work and should be such that uniform and proper compaction of the fill is achieved.

8.2.9 **Shrinkage and Bulking:** There will be a material loss due to the clearing and grubbing operations. Shrinkage of alluvium (Qal) that is excavated and replaced as compacted fill should be anticipated. It is estimated that the average shrinkage of these materials will be on the order of 5 to 15 percent, based on fill volumes when compacted to a minimum of 90 percent relative compaction. A higher relative compaction would mean a larger shrinkage value. No estimations can be given for undocumented fill material due to its unknown nature.

8.2.10 **Fill Slopes:** Finish fill slopes should not be inclined steeper than 2:1 (horizontal to vertical). Fill slope surfaces should be compacted to 90 percent relative compaction based on a maximum dry density for the soil as determined by ASTM D 1557-02 procedures to the face of the finished slope. Fill slopes should be constructed in a skillful manner so that they are positioned at the design orientations and slope ratio. Achieving a uniform slope surface by subsequent thin wedge filling should be avoided. Any add-on correction to a fill slope should be conducted under the observation and recommendations of the Project Geotechnical Engineer. The proposed add-on correction procedures should be submitted in writing by the contractor prior to commencement of corrective grading and reviewed by the Project Geotechnical Engineer. Compacted fill slopes should be backrolled with suitable equipment for the type of soil being used during fill placement at intervals not exceeding 4.0-feet in vertical height. As an alternative to the backrolling of the fill slopes, over-filling of the slopes will be considered acceptable and preferred. The fill slope should be constructed by over-

filling with compacted fill a minimum of 3.0-feet horizontally, and then trimmed back to exposed the dense inner core of the slope surface.

8.2.11 **Cut Slopes:** All cut slopes should not be inclined steeper than 2:1 (horizontal to vertical). Steeper cut slopes will require slope stability analysis to verify stability. All cut slopes should be inspected by the Project Geologist to check for any adverse geologic conditions. Cut slopes with adverse geologic conditions may require flattening or buttressing to maintain stability.

8.2.12 **Keyways:** A keyway excavated into competent native earth materials should be constructed at the toe of all fill slopes that are proposed on natural grades of 5:1 (horizontal to vertical) or steeper. Keyways should be a minimum of 15-feet wide (equipment width) and tilted a minimum of 2 percent into the hillside. A series of level benches should be constructed into competent native earth materials on natural grades of 5:1 (horizontal to vertical) or steeper prior to placing fill.

8.2.13 **Subdrains:** Although the need for subdrains is not anticipated at this time, final recommendations should be made during grading by the Project Geologist.

8.2.14 **Observation and Testing:** During grading, observation and testing should be conducted by the Project Geotechnical Engineer and/or his representative to verify that the grading is being performed according to the recommendations presented in this report. The Project Geotechnical Engineer and/or his representative should observe the scarification and the placement of fill and should take tests to verify the moisture content, density, uniformity and degree of compaction obtained. Where testing demonstrates insufficient density, additional compaction effort, with the adjustment of the moisture content where necessary, should be applied until retesting shows that satisfactory relative compaction has been obtained. The results of observations and testing services should be presented in a formal Finish Grading Report following completion of the grading operations. Grading operations undertaken at the site without the Project Geotechnical Engineer and/or his representative present may result in exclusions of the affected areas from the finish grading report for the project. The presence of the Project Geotechnical Engineer and/or his representative will be for the purpose of providing observations and field testing and will not include any supervision or directing of the actual work of the contractor or the contractor's employees or agents. Neither the presence and/or the non-presence of the Project Geotechnical Engineer and/or his field representative

nor the field observations and testing shall excuse the contractor in any way for defects discovered in the contractor's work.

8.2.15 **Soil Expansion Potential:** Upon completion of fine grading of the building pad, near-surface samples should be obtained for expansion potential testing to identify the expansion potential for each lot and assign appropriate foundation and slab-on-grade recommendations for construction. Our Expansion Index (EI) testing on-site indicates that soil expansivity is EI=7, which is classified as having a very low expansion potential. Based on our observations of the subsurface soils, increased amounts of expansive soils may be present on site. Mixing of these soils during grading could affect the overall EI of the fill. If selective grading is desired in order to ensure that expansive soils are not used near pad grade, this option should be discussed with this firm and the grading contractor prior to grading the site. **Final foundation design parameters should be based on EI testing of near-surface soils and be performed at the conclusion of rough grading.**

8.2.16 **Corrosivity Suite:** Test results for pH, minimum resistivity, sulfate content, and chloride content (CTM 417, CT 643, CTM 422 procedures) were analyzed and processed by Prime Testing, Inc. A negligible concentration (0.026% by weight) of water soluble sulfates were reported. As a result, normal Type II cement may be used in concrete that will come in contact with native soils. Additional corrosivity related results included a pH of 7.9, a minimum resistivity of 1,000 ohm-cm, and a chloride content of 40 ppm. Should additional corrosivity analysis be required, a Corrosion Engineer should be consulted. Laboratory analytical results are included in the Appendix.

8.3 Foundation Design Recommendations:

8.3.1 **General:** Foundations for the proposed structures may consist of conventional column footings and continuous wall footings founded upon properly compacted fill, as recommended in Section 8.2, the Earthwork Recommendations, of this report. The recommendations presented in the subsequent paragraphs for foundation design and construction are based on geotechnical characteristics and a very low expansion potential for the supporting soils and are not intended to preclude more restrictive structural requirements. The Structural Engineer for the project should determine the actual footing width and depth to resist design vertical, horizontal, and uplift forces.

8.3.2 **Foundation Size:** Continuous footings should have a minimum width of 12-inches. Continuous footings should be continuously reinforced with a minimum of one (1) No. 4 steel reinforcing bar located near the top and one (1) No. 4 steel reinforcing bar located near the bottom of the footings to minimize the effects of slight differential movements which may occur due to minor variations in the engineering characteristics or seasonal moisture change in the supporting soils. Final foundation size and reinforcing should be determined based on the expansive potential of the supporting soils. Column footings should have a minimum width of 18-inches by 18-inches and be suitably reinforced, based on structural requirements. A grade beam, founded at the same depths and reinforced the same as the adjacent footings, should be provided across the garage, doorways, or any other types of perimeter openings.

8.3.3 **Depth of Embedment:** Exterior and interior footings founded in properly compacted fill should extend to a minimum depth of 12-inches below lowest adjacent finish grade for one story structures and 18-inches below lowest adjacent final grade for two story structures. Deeper footings may be necessary for expansive soils purposes, depending on the final determination of pad specific expansive potential.

8.3.4 **Bearing Capacity:** Provided the recommendations for site earthwork, minimum footing width, and minimum depth of embedment for footings are incorporated into the project design and construction, the allowable bearing value for design of continuous and column footings for the total dead plus frequently-applied live loads is 2,000 psf for continuous footings, and 2,000 psf for column footings in properly compacted fill. The allowable bearing value has a factor of safety of at least 3.0 and may be increased by 33.3 percent for short durations of live and/or dynamic loading, such as wind or seismic forces.

8.3.5 **Settlement:** Footings designed according to the recommended bearing values and the maximum assumed wall and column loads are not expected to exceed a maximum settlement of 0.50-inch or a differential settlement of 0.25-inch in properly compacted fill under static load conditions.

Settlement due to dynamic loading has been evaluated for the maximum credible peak ground acceleration. Calculations for potential settlement of dry sands are included in the Appendix and indicate settlement potential less than 0.10-inch. No settlement due to liquefaction is anticipated for the subject site due to the lack of groundwater and the very

high densities encountered. Therefore, it is our opinion that pseudo-static settlement is not a design consideration for this site.

8.3.6 **Lateral Capacity:** Additional foundation design parameters for resistance to static lateral forces are as follows:

Allowable Lateral Pressure (Equivalent Fluid Pressure), Passive Case:
Compacted Fill– 250 pcf

Allowable Coefficient of Friction: Compacted Fill – 0.35

Lateral load resistance may be developed by a combination of friction acting on the base of foundations and slabs and passive earth pressure developed on the sides of the footings and stem walls below grade when in contact with properly compacted fill. The above values are allowable design values and have safety factors of at least 2.0 incorporated into them and may be used in combination without reduction in evaluating the resistance to lateral loads. The allowable values may be increased by 33.3 percent for short durations of live and/or dynamic loading, such as wind or seismic forces. For the calculation of passive earth resistance, the upper 1.0-foot of material should be neglected unless confined by a concrete slab or pavement. The maximum recommended allowable passive pressure is 5.0 times the recommended design value.

8.3.7 **Seismic Design Parameters:** The following minimum seismic design factors apply:

Design Fault Name: San Jacinto Fault – San Jacinto Valley Segment

Nearest Estimated Closest Distance to Fault: 17.2 Km

Parameter	Value	2001 CBC Reference
Seismic Zone Factor, Z	0.4	Table 16-I
Seismic Source Type	B	Table 16-U
Near – Source Factor, N_a	1.0	Table 16-S
Near – Source Factor, N_v	1.0	Table 16-T
Soil Profile Type	S_D	Table 16-J
Seismic Coefficient, C_a	0.44 N_a	Table 16-Q
Seismic Coefficient, C_v	0.64 N_v	Table 16-R

8.4 **Slab-on-Grade Recommendations:** The recommendations for concrete slabs, both interior and exterior, excluding PCC pavement, are based upon the expansion potential for the supporting material. Concrete slabs should be designed to minimize cracking as a result of shrinkage. Joints (isolation, contraction, and construction) should be placed in accordance

with the American Concrete Institute (ACI) guidelines. Special precautions should be taken during placement and curing of all concrete slabs. Excessive slump (high water / cement ratio) of the concrete and/or improper curing procedures used during either hot or cold weather conditions could result in excessive shrinkage, cracking, or curling in the slabs. It is recommended that all concrete proportioning, placement, and curing be performed in accordance with ACI recommendations and procedures.

8.4.1 **Interior Slabs:** Interior concrete slabs-on-grade should be a minimum of 4.0-inches nominal in thickness and be underlain by a 1.0 to 2.0-inches of clean coarse sand or other approved granular material placed on properly prepared subgrade per Section 8.2, Earthwork Recommendations, of this report. Minimum slab reinforcement should consist of No. 3 reinforcing bars placed 24-inches on center in both directions, or a suitable equivalent as determined by the Project Structural Engineer. Final pad identification and slab construction requirements will be presented in the compaction report upon completion of grading. It is essential that the reinforcing be placed at mid-depth in the slab. The concrete section and/or reinforcing steel should be increased appropriately for anticipated excessive or concentrated floor loads. In areas where moisture sensitive floor coverings are anticipated over the slab, we recommend the use of a polyethylene vapor barrier with a minimum of 10.0 mil in thickness be placed beneath the slab. The moisture barrier should be overlapped or sealed at splices and covered top and bottom by a 1.0 to 2.0-inch minimum layer of clean, moist (not saturated) sand to aid in concrete curing and to minimize potential punctures.

8.4.2 **Exterior Slabs:** All exterior concrete slabs cast on finish subgrade (patios, sidewalks, etc., with the exception of PCC pavement) should be a minimum of 4.0-inches nominal in thickness and should be underlain by a minimum of 12.0-inches of soil that has been prepared in accordance with Section 8.2, Earthwork Recommendations, of this report. Reinforcing in the slabs and the use of a compacted sand or gravel base beneath the slabs should be according to the current local standards.

8.5 **Pavement Design Recommendations:** The following recommendations for the structural pavement section for the proposed parking and driveway areas for the subject development are presented for preliminary design purposes only. **The final design should be based on the soils located near subgrade.** The pavement section has been determined in general accordance with **CalTrans** design procedures and is based on an assumed Traffic Index (TI) and an assumed R-Value of 32, which corresponds to the test results from B-1 and B-4 at 0

to 5-feet bgs. The R-Value of any imported fill material may vary from the assumed value thereby changing the proposed pavement section design.

The sections listed below are provided for reference purposes and are calculated as a minimum based on varying Traffic Indexes:

Area	Traffic Index	Calculated Section
Automobile Traffic	5.0	3-inches Asphaltic Concrete over 5.5-inches Aggregate Base, placed properly compacted subgrade or an equivalent minimum of 6-inches of Portland Cement Concrete with a compressive strength of 4,000 PSI at 28-days.
Heavy Truck Traffic	6.0	3-inches Asphaltic Concrete over 8-inches Aggregate Base, placed properly compacted subgrade or an equivalent of 7-inches of Portland Cement Concrete with a compressive strength of 4,000 psi at 28-days.

Asphalt concrete pavement materials should be as specified in Sections 39-2.01 and 39-2.02 of the current **CalTrans** Standard Specifications or a suitable equivalent. Aggregate base should conform to ¾-inch Class II material as specified in Section 26-1.02B of the current **CalTrans** Standard Specifications or a suitable equivalent. **In privately maintained areas the subgrade soil, including utility trench backfill, should be compacted to a minimum of 90-percent relative compaction.** In public roadways the subgrade soil, including utility trench backfill, should be compacted to at least 95 percent relative compaction. The aggregate base material should be compacted to at least 95 percent relative compaction. Maximum dry density and optimum moisture content for subgrade and aggregate base materials should be determined according to ASTM D 1557-02 procedures. If pavement subgrade soils are prepared at the time of rough grading of the building site and the areas are not paved immediately, additional observations and testing will have to be performed before placing aggregate base material, asphaltic concrete, or PCC pavement to locate areas that may have been damaged by construction traffic, construction activities, and/or seasonal wetting and drying. In the proposed pavement areas, soil samples should be obtained at the time the subgrade is graded for R-Value testing according to California Test Method 301 procedures to verify the pavement design recommendations.

8.6 **Utility Trench Recommendations:** Utility trenches within the zone of influence of foundations or under building floor slabs, exterior hardscape, and/or pavement areas should be backfilled with properly compacted soil. All utility trenches within the building pad and

extending to a distance of 5.0-feet beyond the building exterior footings should be backfilled with on-site or similar soil. Where interior or exterior utility trenches are proposed to pass beneath or parallel to building, retaining wall, and/or decorative concrete block perimeter wall footings, the bottom of the trench should not be located below a 1:1 plane projected downward from the outside bottom edge of the adjacent footing unless the utility lines are designed for the footing surcharge loads. It is recommended that all utility trenches excavated to depths of 5.0-feet or deeper be cut back according to Section 8.9, Temporary Construction Excavation Recommendations, of this report or be properly shored during construction. Backfill material should be placed in a lift thickness appropriate for the type of backfill material and compaction equipment used. Backfill material should be compacted to a minimum of 90 percent relative compaction by mechanical means. In public roadway areas, backfill material should be compacted to a minimum 95-percent relative compaction. Jetting or flooding of the backfill material will not be considered a satisfactory method for compaction unless the procedures are reviewed and approved in writing by the Project Geotechnical Engineer. Maximum dry density and optimum moisture content for backfill material should be determined according to ASTM D 1557-02 procedures.

8.7 **Finish Lot Drainage Recommendations:** Positive drainage should be established away from the tops of slopes, the exterior walls of structures, the back of retaining walls, and the decorative concrete block perimeter walls. Finish lot surface gradients in unpaved areas should be provided next to tops of slopes and buildings to guide surface water away from foundations and slabs and from flowing over the tops of slopes. The surface water should be directed toward suitable drainage facilities. Ponding of surface water should not be allowed next to structures or on pavements. In unpaved areas, a minimum positive gradient of 4.0 percent away from the structures and tops of slopes for a minimum distance of 3.0-feet and a minimum of 1.0 percent pad drainage off the property in a non-erosive manner should be provided. Landscape trees and plants with high water needs should be planted at least 5.0-feet away from the walls of the structures. Downspouts from roof drains should discharge to a surface which slopes away from the structure a minimum of 5.0-feet from the exterior building walls. In no case should downspouts from roof drains discharge into planter areas immediately adjacent to the building unless there is positive drainage away from the structure at a minimum gradient of 2.0 percent, directed onto a permanent all-weather surface or subdrain system.

8.8 **Planter Recommendations:** Planters around the perimeter of the structures should be designed to ensure that adequate drainage is maintained and minimal irrigation water is allowed to percolate into the soils underlying the buildings.

8.9 **Temporary Construction Excavation Recommendations:** Temporary construction excavations for rough grading, foundations, retaining walls, utility trenches, etc., more than 5.0-feet in depth and to a maximum depth of 15-feet should be properly shored or cut back to the following inclinations:

Earth Material	Observed/Anticipated CalOSHA Soil Classification	Inclination
Alluvium or Compacted Fill	Type B	1:1

No surcharge loads (spoil piles, earthmoving equipment, trucks, etc.) should be allowed within a horizontal distance measured from the top of the excavation slope equal to 1.5 times the depth of the excavation. Excavations should be initially observed by the Project Geotechnical Engineer, Project Engineering Geologist, and/or their representative to verify our recommendations or to make additional recommendations to maintain stability and safety. Moisture variations, differences in the cohesive or cementation characteristics, or changes in the coarseness of the deposits may require slope flattening or, conversely, permit steepening upon review by the Project Geotechnical Engineer, Project Engineering Geologist, and/or their representative. Deep utility trenches may experience caving which will require special considerations to stabilize the walls and expedite trenching operations. Surface drainage should be controlled along the top of the slope to preclude erosion of the slope face. If excavations are to be left open for long periods, the slopes should be sprayed with a protective compound and/or covered to minimize drying out, raveling, and/or erosion of the slopes. For excavations more than 5.0-feet in depth which will not be cut back to the recommended slope inclination, the contractor should submit to the owner and/or the owner's designated representative detailed drawings showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection. If the drawings do not vary from the requirements of the OSHA Construction Safety Orders (CAL OSHA or FED OSHA, whichever is applicable for the project at the time of construction), a statement signed by a registered Civil or Structural Engineer in the State of California, engaged by the contractor at

his expense, should be submitted certifying that the contractor's excavation safety drawings comply with OSHA Construction Orders. If the drawings vary from the applicable OSHA Construction Safety Orders, the drawings should be prepared, signed, and sealed by a Registered Civil or Structural Engineer in the State of California. The contractor should not proceed with any excavations until the project owner or his designated representative has received and acknowledged the properly prepared excavation safety drawings.

8.10 **Retaining Wall Recommendations:**

8.10.1 **Earth Pressures:** Retaining walls backfilled with non-expansive granular soil (EI=0) or very low expansive potential materials (Expansion Index of 20 or less) within a zone extending upward and away from the heel of the footing at a slope of 0.5:1 (horizontal to vertical) or flatter can be designed to resist the following static lateral soil pressures:

Condition	Level Backfill	2:1 Slope
Active	30 pcf	45 pcf
At Rest	60 pcf	--

Walls that are free to deflect 0.01 radian at the top may be designed for the above-recommended active condition. Walls that need to be restricted from such movement should be assumed rigid and designed for the at-rest condition. The above values assume well-drained backfill and no buildup of hydrostatic pressure. Surcharge loads, dead and/or live, acting on the backfill behind the wall or directly on the wall should also be considered in the design.

8.10.2 **Foundation Design:** Retaining wall footings should be founded to the same depths into properly compacted fill as standard foundations and may be designed for the same average allowable bearing value across the footing (as long as the resultant force is located in the middle one-third of the footing), and with the same allowable static lateral bearing pressure and allowable sliding resistance as previously recommended. When using the allowable lateral pressure and allowable sliding resistance, a factor of safety of 1.0 may be used. If ultimate values are used for design, an approximate factor of safety of 1.5 should be achieved.

8.10.3 **Subdrain:** A subdrain system should be constructed behind and at the base of all retaining walls to allow drainage and to prevent the buildup of excessive hydrostatic pressures. Typical subdrains may include weep holes with a continuous gravel gallery, perforated pipe

surrounded by filter rock, or some other approved system. Gravel galleries and/or filter rock, if not properly designed and graded for the on-site and/or import materials, should be enclosed in a geotextile fabric such as Mirafi 140N, Supac 4NP, or a suitable substitute in order to prevent infiltration of fines and clogging of the system. The perforated pipes should be at least 4.0-inches in diameter. Pipe perforations should be placed downward. Gravel filters should have volume of at least 1.0 cubic foot per lineal foot of pipe. Subdrains should maintain a positive flow gradient and have outlets that drain in a non-erosive manner. In the case of subdrains for basement walls, they need to empty into a sump provided with a submersible pump activated by a change in the water level.

8.10.4 **Backfill:** Backfill directly behind retaining walls (if backfill width is less than 3 feet) may consist of 0.5 to 0.75-inch diameter, rounded to subrounded gravel enclosed in a geotextile fabric such as Mirafi 140N, Supac 4NP, or a suitable substitute or a clean sand (Sand Equivalent Value greater than 50) water jetted into place to obtain proper compaction. If water jetting is used, the subdrain system should be in place. Even if water jetting is used, the sand should be densified to a minimum of 90 percent relative compaction. If the specified density is not obtained by water jetting, mechanical methods will be required. If other types of soil or gravel are used for backfill, mechanical compaction methods will be required to obtain a relative compaction of at least 90 percent of maximum dry density. Backfill directly behind retaining walls should not be compacted by wheel, track or other rolling by heavy construction equipment unless the wall is designed for the surcharge loading. If gravel, clean sand or other imported backfill is used behind retaining walls, the upper 18-inches of backfill in unpaved areas should consist of typical on-site material compacted to a minimum of 90 percent relative compaction in order to prevent the influx of surface runoff into the granular backfill and into the subdrain system. Maximum dry density and optimum moisture content for backfill materials should be determined in accordance with ASTM D 1557-02 procedures.

9.0 PLAN REVIEW

Grading and foundation plans for the proposed development should be provided for review by **EnGEN Corporation** to verify compatibility with site geotechnical conditions and conformance with the recommendations contained in this report. If **EnGEN Corporation** is not accorded the opportunity to make the recommended review, we will assume no responsibility for misinterpretation of the recommendations presented in this report.

10.0 PRE-BID CONFERENCE

It may be desirable to hold a pre-bid conference with the owner or an authorized representative, the Project Architect, the Project Civil Engineer, the Project Geotechnical Engineer, and the proposed contractors present. This conference will provide continuity in the bidding process and clarify questions relative to the grading and construction requirements of the project.

11.0 PRE-GRADING CONFERENCE

Before the start of grading, a conference should be held with the owner or an authorized representative, the contractor, the Project Architect, the Project Civil Engineer, and the Project Geotechnical Engineer present. The purpose of this meeting should be to clarify questions relating to the intent of the grading recommendations and to verify that the project specifications comply with the recommendations of this geotechnical engineering report. Any special grading procedures and/or difficulties proposed by the contractor can also be discussed at that time.

12.0 CONSTRUCTION OBSERVATIONS AND TESTING

Rough grading of the property should be performed under engineering observation and testing performed by **EnGEN Corporation.** Rough grading includes, but is not limited to, overexcavation cuts, fill placement, and excavation of temporary and permanent cut and fill slopes. In addition, **EnGEN Corporation** should observe all foundation excavations.

Observations should be made before installation of concrete forms and/or reinforcing steel to verify and/or modify the conclusions and recommendations in this report. Observations of overexcavation cuts, fill placement, finish grading, utility or other trench backfill, pavement subgrade and base course, retaining wall backfill, slab presaturation, or other earthwork completed for the subject development should be performed by **EnGEN Corporation.** If the observations and testing to verify site geotechnical conditions are not performed by **EnGEN Corporation**, liability for the performance of the development is limited to the actual portions of the project observed and/or tested by **EnGEN Corporation.** If parties other than **EnGEN Corporation** are engaged to perform soils and materials observations and testing, they must be notified that they will be required to assume complete responsibility for the geotechnical aspects of the project by concurring with the recommendations in this report or providing

altemative recommendations. Neither the presence of the Project Geotechnical Engineer and/or his field representative, nor the field observations and testing, shall excuse the contractor in any way for defects discovered in the contractor's work. The Project Geotechnical Engineer and/or his representative shall not be responsible for job or project safety. Job or project safety shall be the sole responsibility of the contractor.

13.0 CLOSURE

This report has been prepared for use by the parties or project named or described in this document. It may or may not contain sufficient information for other parties or purposes. In the event that changes in the assumed nature, design, or location of the proposed development as described in this report are planned, the conclusions and recommendations contained in this report will not be considered valid unless the changes are reviewed and the conclusions and recommendations of this report modified or verified in writing. This study was conducted in general accordance with the applicable standards of our profession and the accepted geotechnical engineering principles and practices at the time this report was prepared. No other warranty, implied or expressed beyond the representations of this report, is made. Although every effort has been made to obtain information regarding the geotechnical and subsurface conditions of the site, limitations exist with respect to the knowledge of unknown regional or localized off-site conditions which may have an impact at the site. The recommendations presented in this report are valid as of the date of the report. However, changes in the conditions of a property can occur with the passage of time, whether they are due to natural processes or to the works of man on this and/or adjacent properties.

If conditions are observed or information becomes available during the design and construction process which are not reflected in this report, **EnGEN Corporation** should be notified so that supplemental evaluations can be performed and the conclusions and recommendations presented in this report can be modified or verified in writing. This report is not intended for use as a bid document. Any person or company using this report for bidding or construction purposes should perform such independent studies and explorations as he deems necessary to satisfy himself as to the surface and subsurface conditions to be encountered and the procedures to be used in the performance of the work on this project. Changes in applicable or appropriate standards of care or practice occur, whether they result from legislation or the broadening of knowledge and experience. Accordingly, the

conclusions and recommendations presented in this report may be invalidated, wholly or in part, by changes outside the control of **EnGEN Corporation** which occur in the future.

Thank you for the opportunity to provide our services. If we can be of further service or you should have questions regarding this report, please contact this office at your convenience.

Respectfully submitted,
EnGEN Corporation

Eric Davisson, PG 8231
Senior Staff Geologist
Expires 02-28-09

Osbjorn Bratene, GE 162
President
Expires 09-30-07

ED/OB:ic
Distribution: (4) Addressee
FILE: EnGEN\Reporting\GS\M3643-GS Motte Industrial, Report

APPENDIX

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TABLE A

DISTANCE TO STATE DESIGNATED ACTIVE FAULTS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE Mi	(Km)	MAXIMUM EARTHQUAKE MAG (Mw)
San Jacinto – San Jacinto Valley	10.7	17.2	6.9
Elsinore (Temecula)	11.7	18.9	6.8
Elsinore (Glen Ivy)	12.1	19.4	6.8
San Jacinto – Anza	14.7	23.7	7.2
San Jacinto – San Bernardino	19.6	31.5	6.7
Chino – Central Avenue (Elsinore)	23.5	37.9	6.7
San Andreas – SB-Coach.	24.9	40.0	7.7
San Andreas – Whole	24.9	40.0	8.0
San Andreas – San Bernardino	24.9	40.0	7.5
San Andreas –SB-Coach.	24.9	40.0	7.7
Elsinore – Julian	26.6	42.8	7.1
Whittier	27.7	44.6	6.8
San Joaquin Hills	30.4	48.9	6.6
North Frontal Fault Zone (West)	33.7	54.2	7.2
Pinto Mountain	34.0	54.7	7.2
Cucamonga	34.2	55.0	6.9
Newport – Inglewood (Offshore)	35.6	57.3	7.1
Cleghorn	37.3	60.1	6.5
North Frontal Fault Zone (East)	39.3	63.2	6.7
San Jose	39.5	63.5	6.4
Puente Hills Blind Thrust	41.9	67.5	7.1
Sierra Madre	42.1	67.7	7.2
San Andreas – Coachella	42.3	68.1	7.2
San Andreas – 1857 Rupture	42.4	68.2	7.8
San Andreas – Cho Moj	42.4	68.2	7.8
San Andreas – Mojave	42.4	68.2	7.4
San Jacinto – Coyote Creek	42.9	69.0	6.6
Newport – Inglewood (L.A. Basin)	44.2	71.1	7.1
Rose Canyon	44.9	72.3	7.2
Burnt Mountain	47.0	75.6	6.5
Helendale – South Lockhardt	47.0	75.7	7.3
Eureka Peak	50.1	80.7	6.4
Earthquake Valley	51.3	82.6	6.5
Clamshell - Sawpit	51.9	83.6	6.5
Landers	51.9	83.5	7.3

TABLE A

DISTANCE TO STATE DESIGNATED ACTIVE FAULTS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE Mi	(Km)	MAXIMUM EARTHQUAKE MAG (Mw)
Coronado Bank	54.1	87.1	7.6
Palos Verdes	54.1	87.1	7.0
Raymond	55.4	89.1	6.5

SEISMIC SETTLEMENT OF DRY SANDS

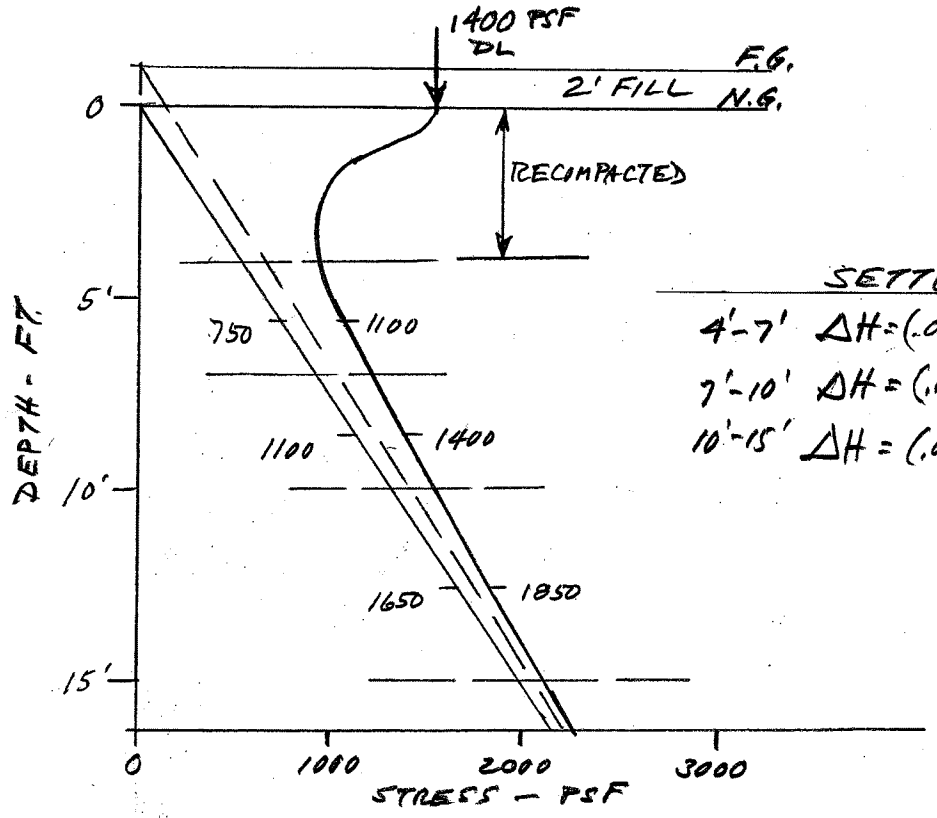
Layer	Depth	Thickness FT	σ_o (tsf)	σ_m (tsf)	N_1	$(N_1)_{60}$	G_{max} (tsf)	$\gamma_{eff} \frac{G_{eff}}{G_{max}}$	γ_{eff}	γ_{eff} (%)	ε_c M=7.5	ε_c M=6.8	ε_c (multi direction al)	Δ H inches
1	4-9	5 (Alluvium)	.4225	.2746	65	94.25	23.848	.0001752	.0005	.05	.0015	.001275	.00255	0.00
2	9-14	5 (Alluvium)	.7475	.4859	78	87.36	30.930	.0002342	.0008	.08	0.002	.0017	.0034	0.01
3	14-20	6 (Alluvium)	1.1055	.7186	48	44.16	29.963	.0003389	.001	.10	0.025	.02125	.0425	0.03

$$\Delta H = \frac{\varepsilon_c (H)}{100} = 0.04"$$

POTENTIAL SETTLEMENT DUE TO STATIC LOADING

Assumptions: q_{allow} = 2000 psf
q_{DL} = 1400 psf

FTG: 24" Wide
2' Fill



$$\Delta H = \frac{C_r}{1+e_o} H \log\left(\frac{\sigma_f}{\sigma_o}\right)$$

SETTLEMENT CALC.

4'-7' $\Delta H = (.00507)(36)\log\left(\frac{1100}{750}\right) = 0.03"$

7'-10' $\Delta H = (.00768)(36)\log\left(\frac{1400}{1100}\right) = 0.03$

10'-15' $\Delta H = (.00768)(60)\log\left(\frac{1852}{1650}\right) = 0.03$

$\Delta H = 0.09"$

GEOTECHNICAL BORING LOGS

GEOTECHNICAL BORING LOG

Project Number: M3643-GS
Boring Number: B1
Date: 4/24/07

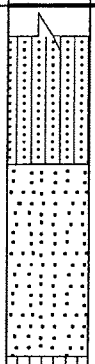
Project: Motte Industrial
Surface Elevation: 1441 (approx)
Logged By: ED

Elevation	Soil Graphic	Description	Sampler	Sample Depth	USCS	Blow Count	Dry Density	In-Situ Moisture Content	Maximum Density	Optimum Moisture Content
1441		ALLUVIUM (Qal)		0						
1438.5		Silty fine- to medium-grained sand with a few clay, strong brown (7.5YR 5/6), moist, very dense.			SM	26-50/4	114.3	13.6		
1436		Silty fine- to medium-grained sand, light olive brown (2.5Y 5/4), moist, very dense.		5	SM	26-50/5	130.0	9.6	128.6	11.0
1433.5		Silty fine- to medium-grained sand, light olive brown (2.5Y 5/4), moist, very dense.			SM	22-50/6	116.0	13.5		
1431		Silty fine- to medium-grained sand, light yellowish brown (2.5Y 6/4), moist, very dense.		10	SM	20-50/6	123.0	11.9		
1426		Silty fine- to medium-grained sand, light yellowish brown (2.5Y 6/4), moist-wet, very dense		15	SM	17-28-50/5				
1424.5		Clayey silt, olive gray (5Y 5/2), moist, hard.			ML		107.5	20.1		
1421		Silty fine-grained, light olive brown (2.5Y 5/4),moist, very dense.		20	SM	14-37-50/5	118.3	10.2		
1416		Fine- to medium-grained sand, yellow (10YR 7/6), moist, very dense.		25	SP	12-28-44	103.9	4.1		
1411		Fine- to medium-grained sand, yellow (10YR 7/6), moist, very dense.		30	SP	11-32-50/4	119.8	3.1		
1406		Silty fine- to medium-grained sand, light olive brown (2.5Y 7/4), moist, very dense.		35	SM	35-50/2	111.8	9.9		

Notes: Location: 145' N of S by 217' E of W

GEOTECHNICAL BORING LOG

Project Number: M3643-GS
Project: Motte Industrial
Boring Number: B1
Surface Elevation: 1441 (approx)
Date: 4/24/07
Logged By: ED

Elevation	Soil Graphic	Description	Sampler	Sample Depth	USCS	Blow Count	Dry Density	In-Situ Moisture Content	Maximum Density	Optimum Moisture Content
1401		Fine- to medium-grained sand, pale yellow (2.5Y 7/4), moist, very dense.		40	SP	20-50/6	115.1	4.4		
1396		Fine sandy silt, olive brown (2.5Y 4/4), moist, very dense.		45	ML	13-50/6	108.2	18.6		
1391		Fine sandy silt, olive brown (2.5Y 4/4), moist, very dense.		50	ML	15-50/5	118.1	14.5		
1389.5		No Groundwater Encountered. Total Depth 51.5-feet bgs.		55						
				60						
				65						
				70						

Notes: Location: 145' N of S by 217' E of W

EnGEN Corporation

GEOTECHNICAL BORING LOG

Project Number: M3643-GS
Project: Motte Industrial
Boring Number: B2
Surface Elevation: 1440.5 (approx)
Date: 4/24/07
Logged By: ED

Elevation	Soil Graphic	Description	Sampler	Sample Depth	USCS	Blow Count	Dry Density	In-Situ Moisture Content	Maximum Density	Optimum Moisture Content
1440.5		ALLUVIUM (Qal)		0						
1438		Fine-grained sandy silt, yellowish brown (10YR 5/3), moist, very hard.			ML	50/5	100.4	10.4		
1435.5		Silty fine- to medium-grained sand, olive (5Y 5/3), moist, very dense.		5	SM	29-50/4	126.8	8.3		
1433		Light olive brown (2.5Y 5/4).			SM	37-50/4	121.5	11.8		
1430.5		Fine sandy silt, light olive brown (2.5Y 5/4), moist, very hard.		10	ML	16-35-46	112.9	15.9		
1425.5		Silty fine- to medium- sand, olive (5Y 5/3), moist, very dense.		15	SM	13-41-50/4	120.5	12.5		
1424		No Groundwater Encountered. Total Depth 16.5-feet bgs.		20						
				25						
				30						
				35						

Notes: 112' South of North P.L. by 145' East of W. P.L.

EnGEN Corporation

GEOTECHNICAL BORING LOG

Project Number: M3643-GS
Project: Motte Industrial
Boring Number: B3
Surface Elevation: 1442 (approx)
Date: 4/24/07
Logged By: ED

Elevation	Soil Graphic	Description	Sampler	Sample Depth	USCS	Blow Count	Dry Density	In-Situ Moisture Content	Maximum Density	Optimum Moisture Content
1442		ALLUVIUM (Qal)		0						
1439.5		Clayey fine- to medium-grained sand, olive brown (2.5Y 4/3), moist , very dense.			SC	8-50/5	114.4	11.1		
1437		Silty fine- to medium-grained sand, olive (5Y 4/3), moist, very dense.		5	SM	30-50/3	115.8	9.5		
1434.5		Silty fine- to medium-grained sand, olive (5Y 4/3), moist, very dense.			SM	32-50/6	120.0	12.7		
1432		Silty fine-grained sand with few clay, light olive brown (2.5Y 5/4), moist, very dense.		10	SM	26-50/4	118.1	14.9		
1427		Fine sandy silt, light olive brown (2.5Y 5/4), moist, hard.		15	ML	9-39-50/4	114.4	14.2		
1425.5		Total depth 16.5-feet bgs. No Groundwater Encountered.		20						
				25						
				30						
				35						

Notes: 135' N of S PL by 118' W of E PL, Surface covery of wood ships less that 6-inches.

EnGEN Corporation

GEOTECHNICAL BORING LOG

Project Number: M3643-GS
Boring Number: B4
Date: 4/24/07

Project: Motte Industrial
Surface Elevation: 1442.5 (approx)
Logged By: ED

Elevation	Soil Graphic	Description	Sampler	Sample Depth	USCS	Blow Count	Dry Density	In-Situ Moisture Content	Maximum Density	Optimum Moisture Content
1442.5		ALLUVIUM (Qal)		0						
1440		Silty fine- to medium-grained sand, light olive brown (2.5Y 5/4), moist, very dense.			SM	17-26-26		7.8	131.5	9.2
1437.5		Silty fine- to medium-grained sand, light olive brown (2.5Y 5/4), moist, very dense.		5	SM	8-27-38		11.2		
1435		Fine sandy silt, light olive brown (2.5Y 5/6), moist, very hard.			SM	11-32-50/6		12.3		
1432.5				10	SM	8-32-46		14.6		
1427.5		Fine sandy silt, light olive brown (2.5Y 5/4), moist, hard.		15	ML	9-20-28				
1426		Total Depth 16.5-feet bgs. No Groundwater Encountered.		20						
				25						
				30						
				35						

Notes: 75' by 75' inside of NE Corner of site.

EnGEN Corporation

KEY TO SYMBOLS

Symbol Description

Strata symbols



Sandy Silt or Clayey Silt



Silty sand



Clayey sand

Soil Samplers



California Sampler



Standard penetration test

Notes:

1. Exploratory borings were drilled on 04/24/07 using a 7-inch diameter continuous flight power auger.

2. Groundwater was not encountered at the time of drilling.

3. Boring locations were measured from existing features and elevations extrapolated from the final design plan.

4. These logs are subject to the limitations, conclusions, and recommendations in this report.

5. Results of tests conducted on samples recovered are reported on the logs.

LABORATORY TEST RESULTS

MAXIMUM DENSITY / OPTIMUM MOISTURE TEST REPORT



Test specification: ASTM D 1557-02 Method A Modified

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
	SM		6.9					

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 131.5 pcf Optimum moisture = 9.2 %	SILTY SAND, BROWN

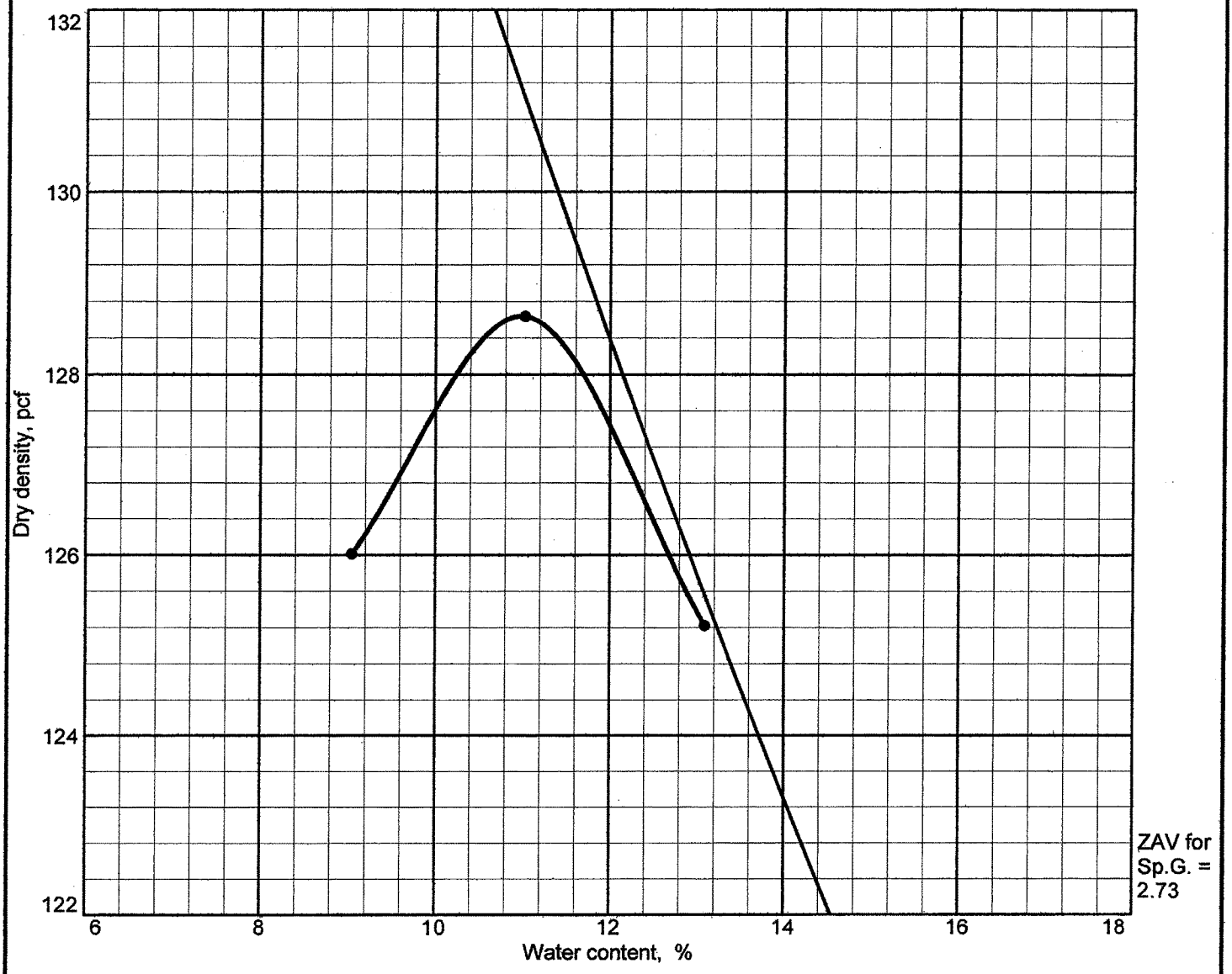
Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC
Project: MOTTE INDUSTRIAL
● **Location:** ANTELOPE ROAD

Remarks:
SAMPLE # B4 @ 0-4
COLLECTED BY ED
COLLECTED ON (4/24/07)

MAXIMUM DENSITY / OPTIMUM MOISTURE TEST REPORT
ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

OPTIMUM MOISTURE/MAXIMUM DENSITY TEST REPORT



Test specification: ASTM D 1557-02 Method A Modified

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
	SM		9.0					

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 128.6 pcf Optimum moisture = 11.0 %	SILTY SAND, BROWN

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

• **Location:** ANTELOPE ROAD

Remarks:

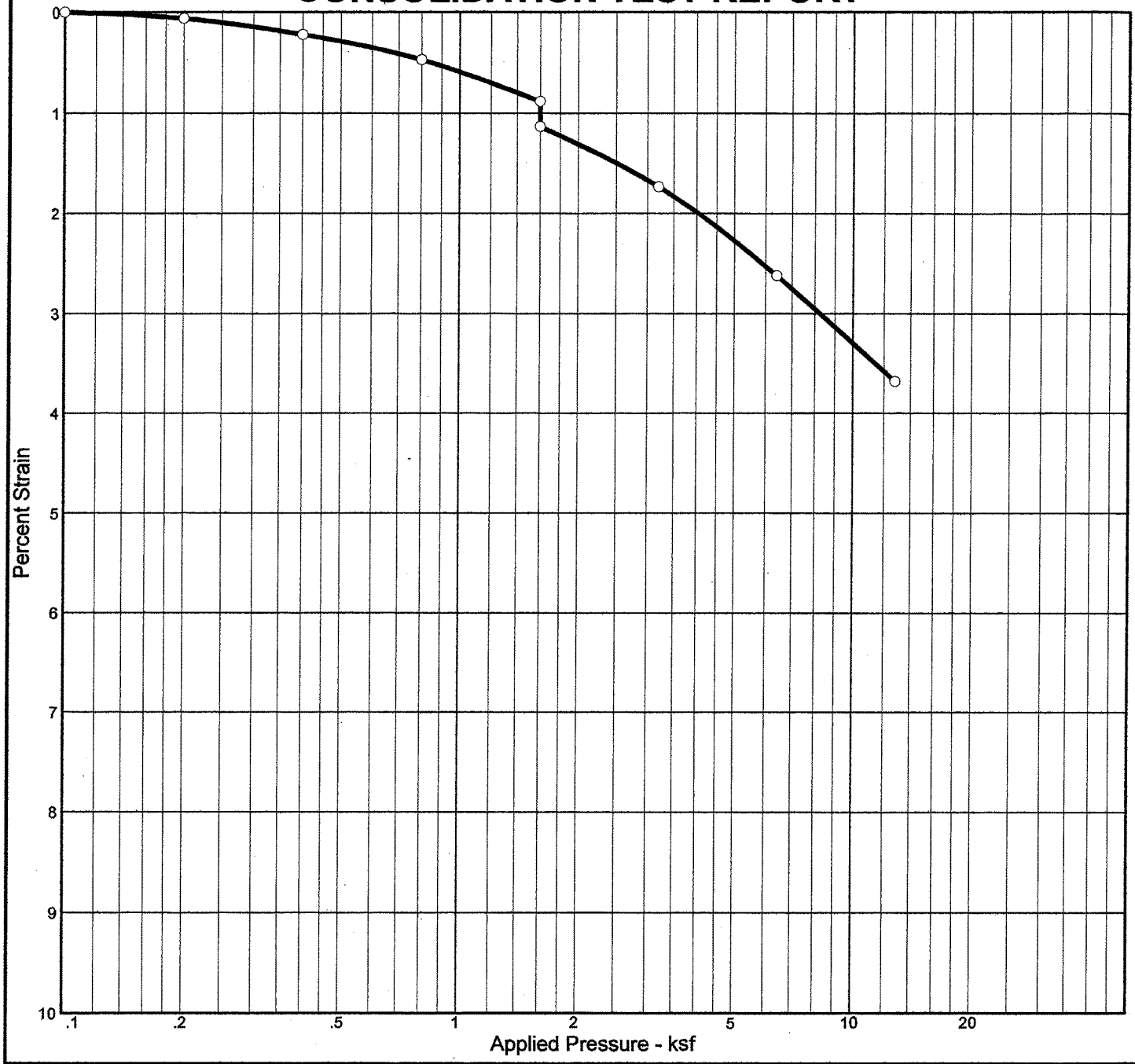
SAMPLE # B1 @ 0-5
COLLECTED BY ED
COLLECTED ON (4/24/07)

OPTIMUM MOISTURE/MAXIMUM DENSITY TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
80.5 %	13.6 %	114.4			2.65		3.86	0.05			0.2	0.446

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B1 @ 2.5

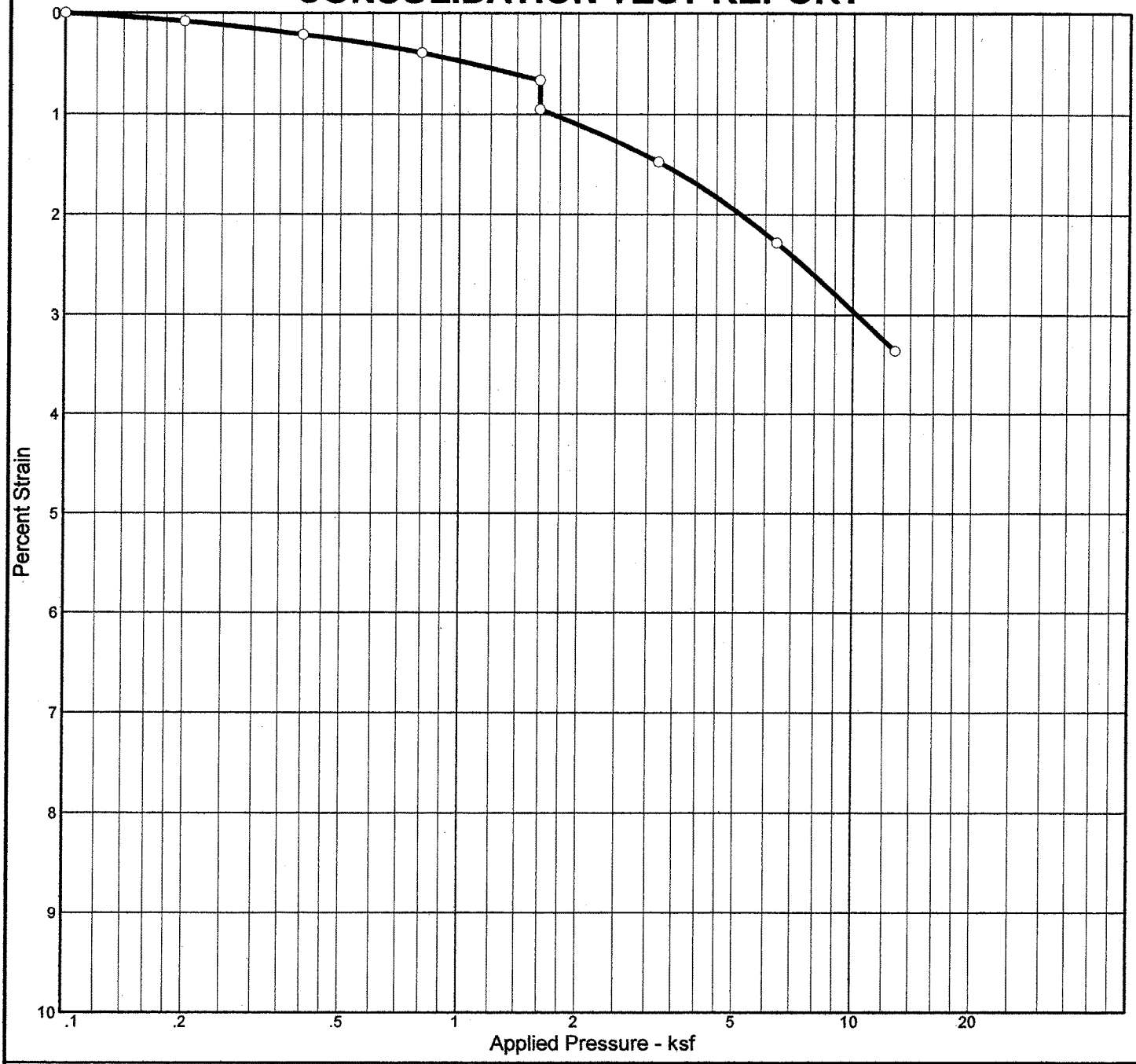
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
93.4 %	9.6 %	129.9			2.65		4.22	0.05			0.3	0.273

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B1 @ 5

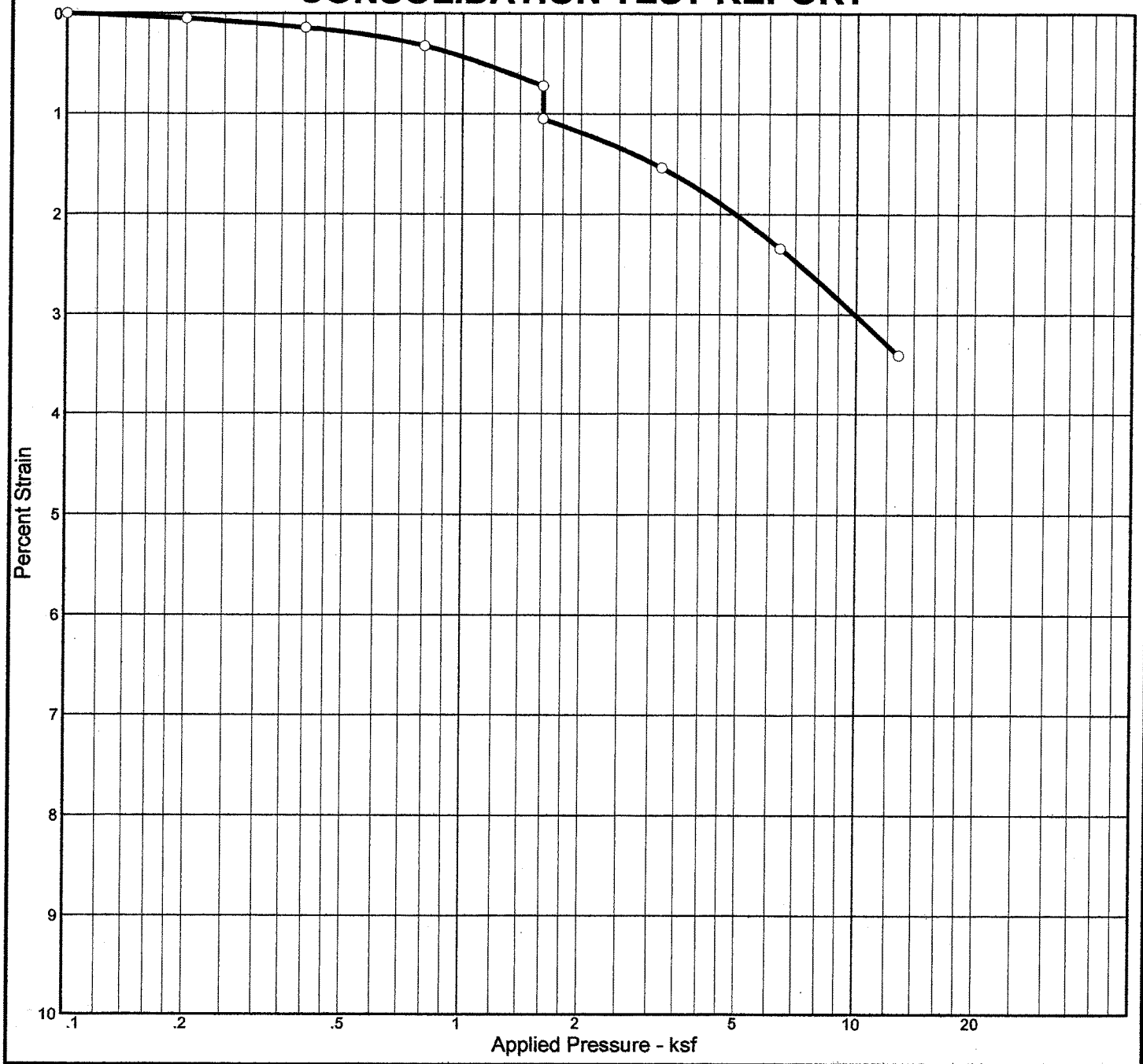
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
84.0 %	13.5 %	116.1			2.65		2.03	0.05			0.3	0.425

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY FINE SAND, YELLOW BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B1 @ 7.5

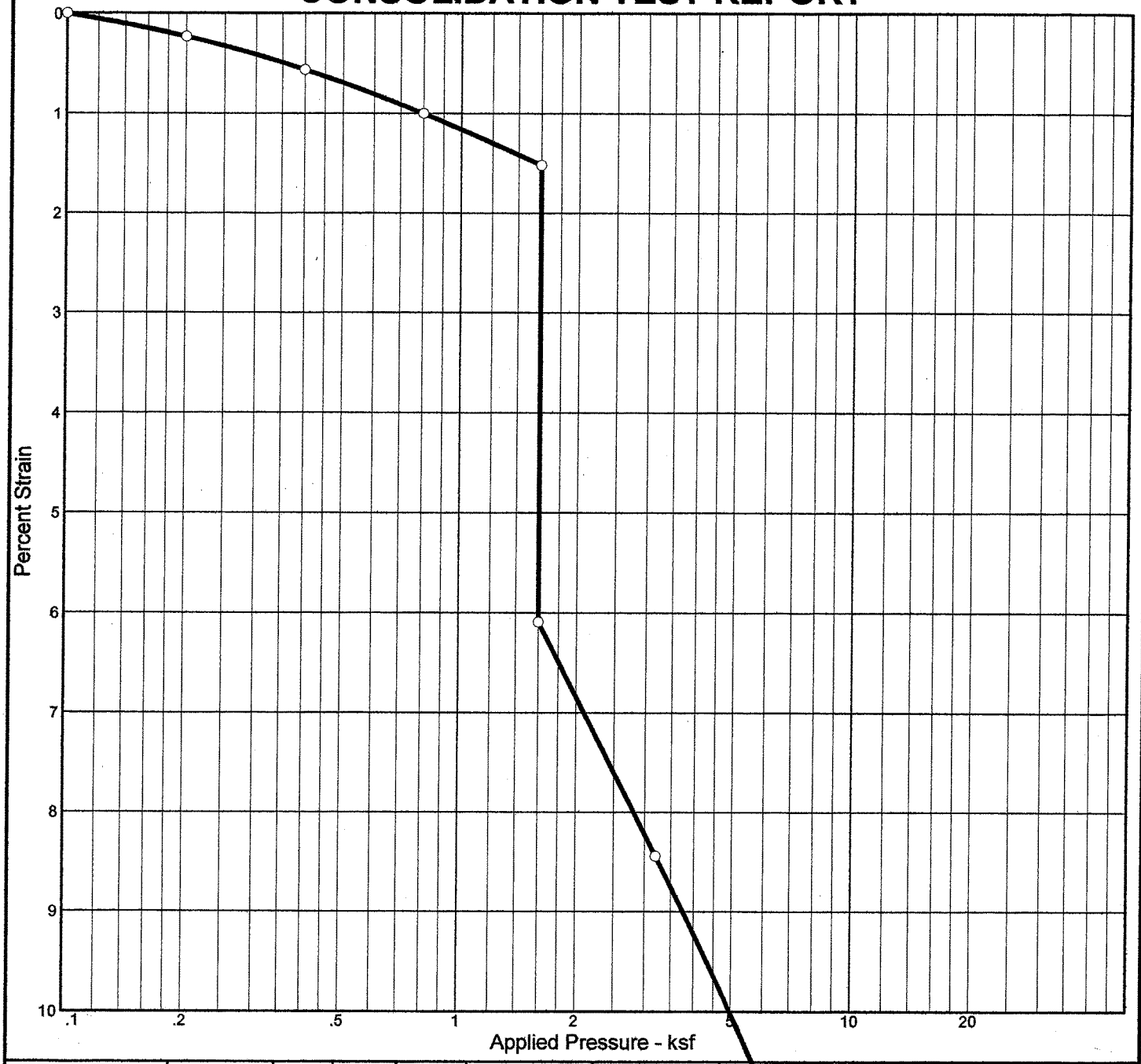
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural Sat.	Natural Moist.	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
42.4 %	10.4 %	100.5			2.65		6.56	0.17			4.6	0.647

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B2 @ 2.5

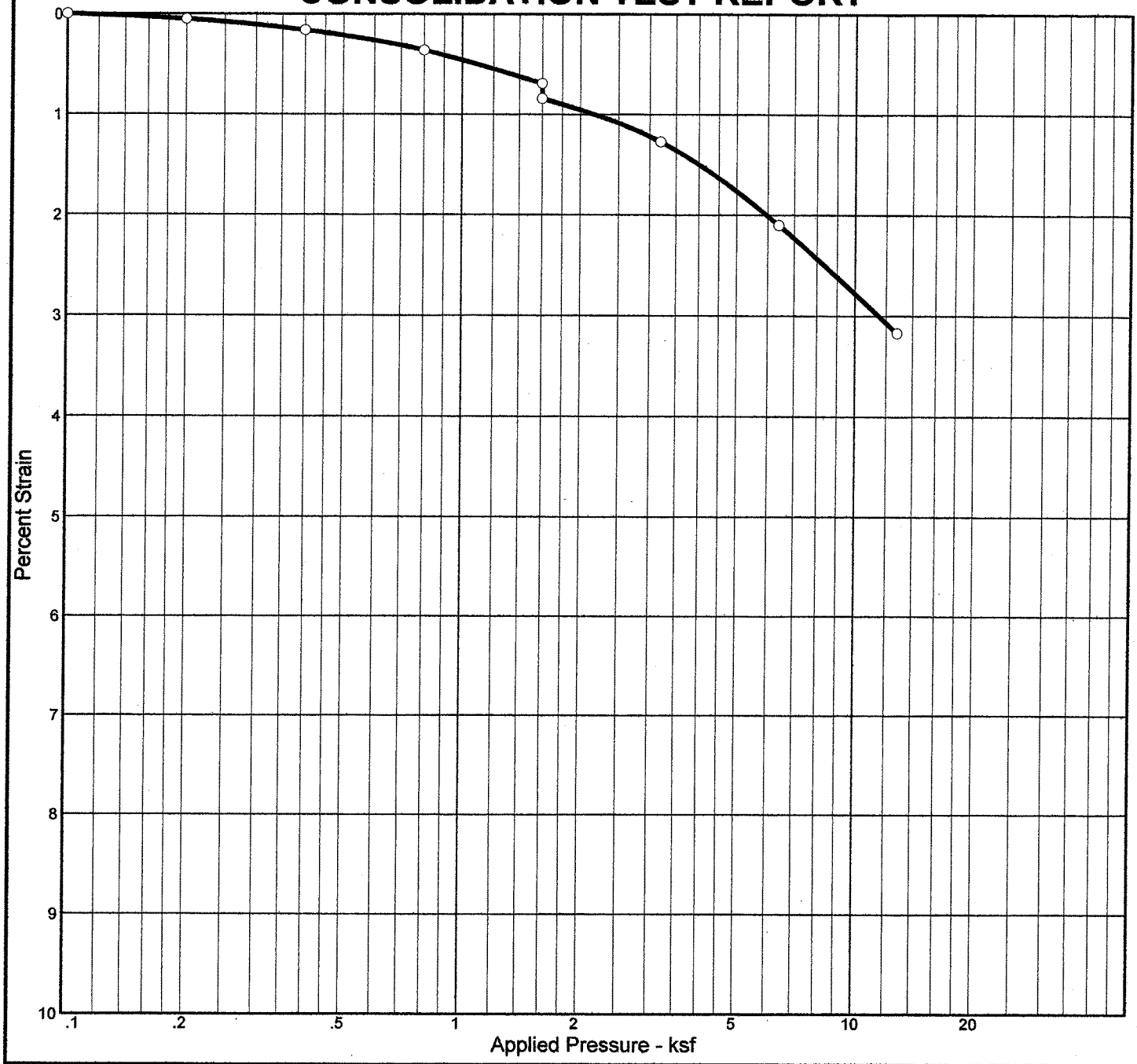
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
72.4 %	8.3 %	127.0			2.65		4.07	0.05			0.1	0.302

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B2 @ 5

CONSOLIDATION TEST REPORT

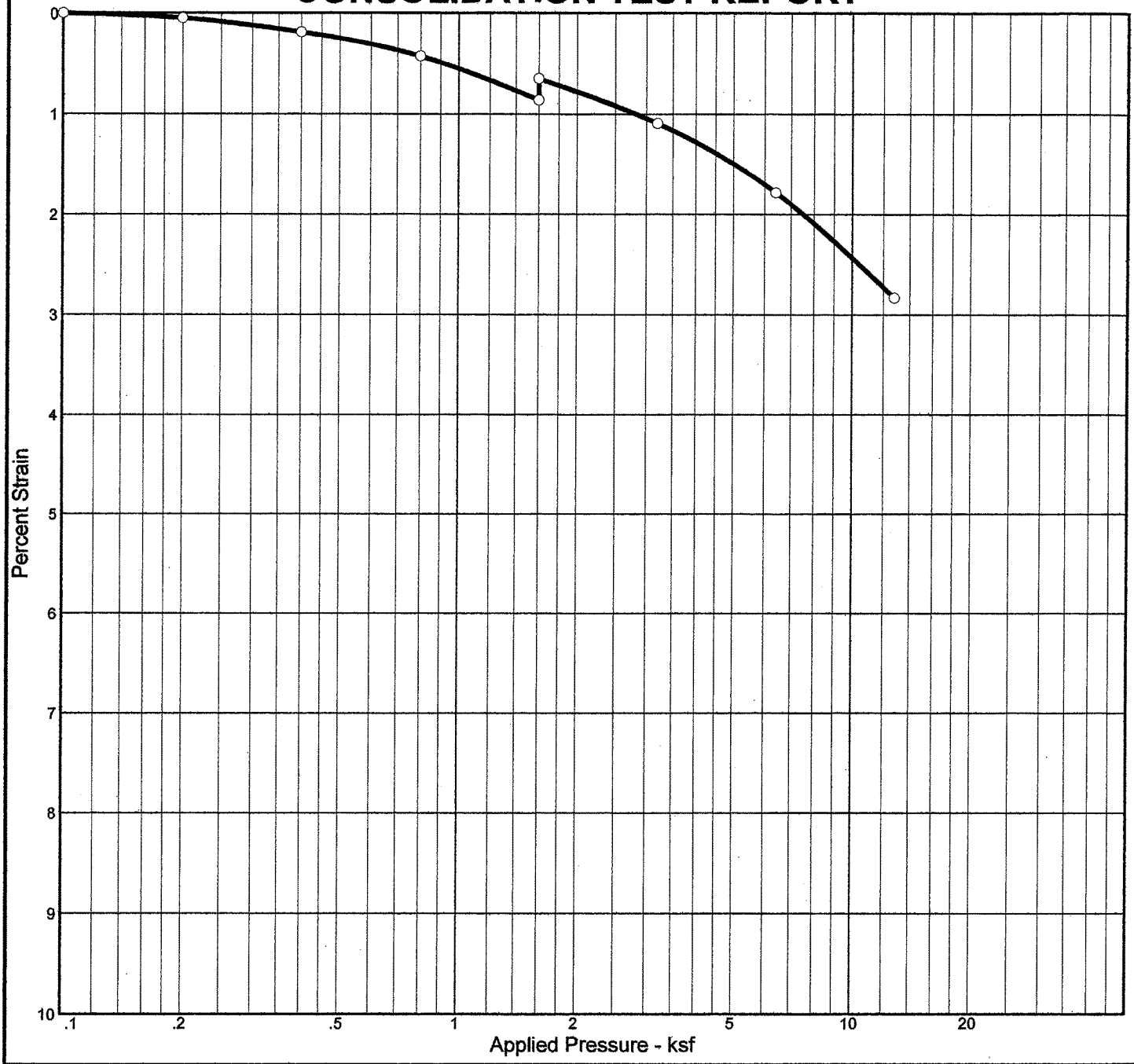
ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Remarks:

COLLECTED BY ED
COLLECTED ON (4/24/07)

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Swell %	e_o
Sat.	Moist.											
86.4 %	11.8 %	121.6			2.65		3.45	0.05		2.28	0.2	0.361

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B2 @ 7.5

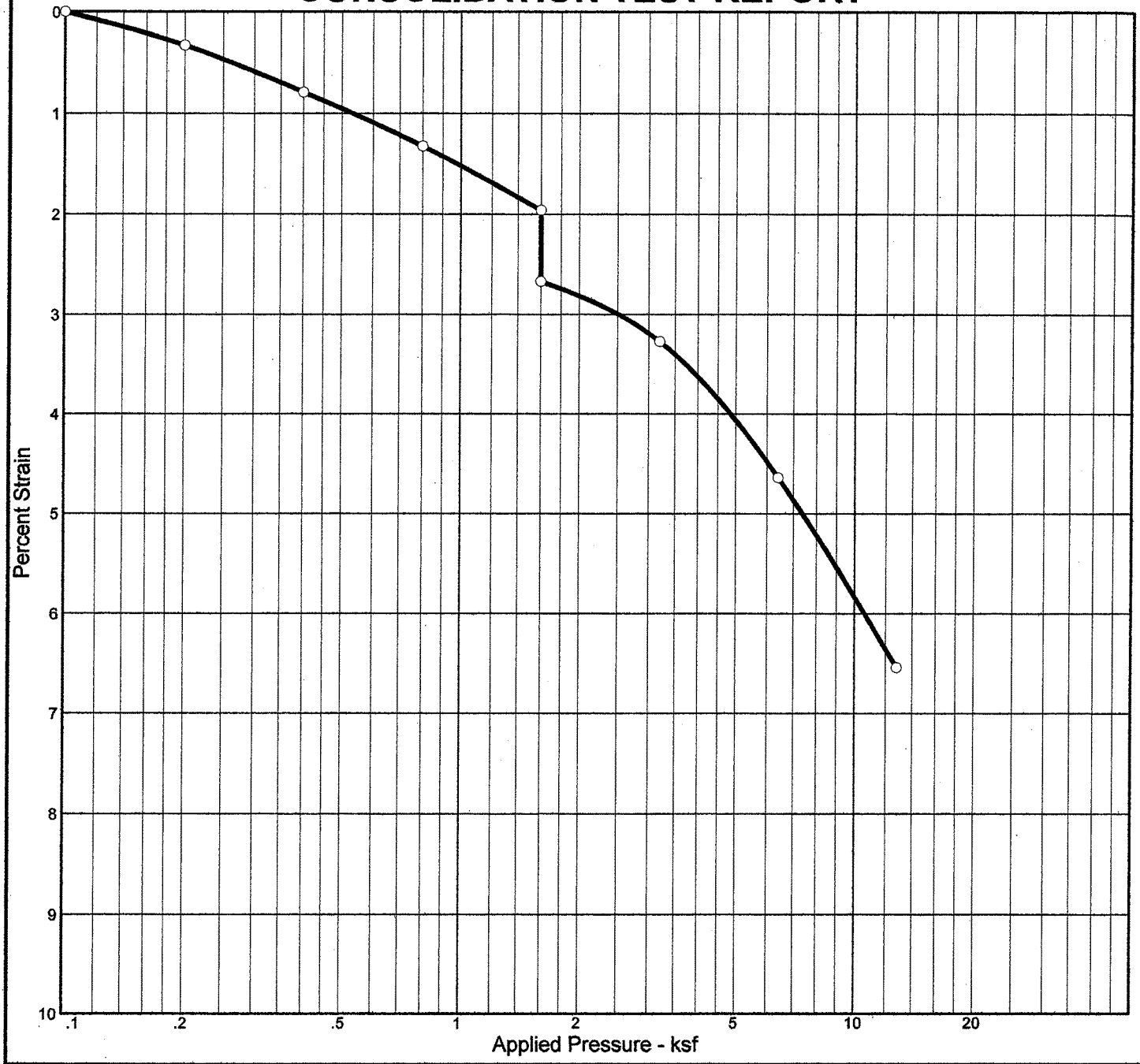
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
66.0 %	11.1 %	114.3			2.65		4.26	0.09			0.7	0.447

MATERIAL DESCRIPTION	USCS	AASHTO
CLAYEY SAND, BROWN	SC	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B3 @ 2.5

Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
58.9 %	9.5 %	115.8			2.65		1.47	0.06			0.4	0.429

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B3 @ 5

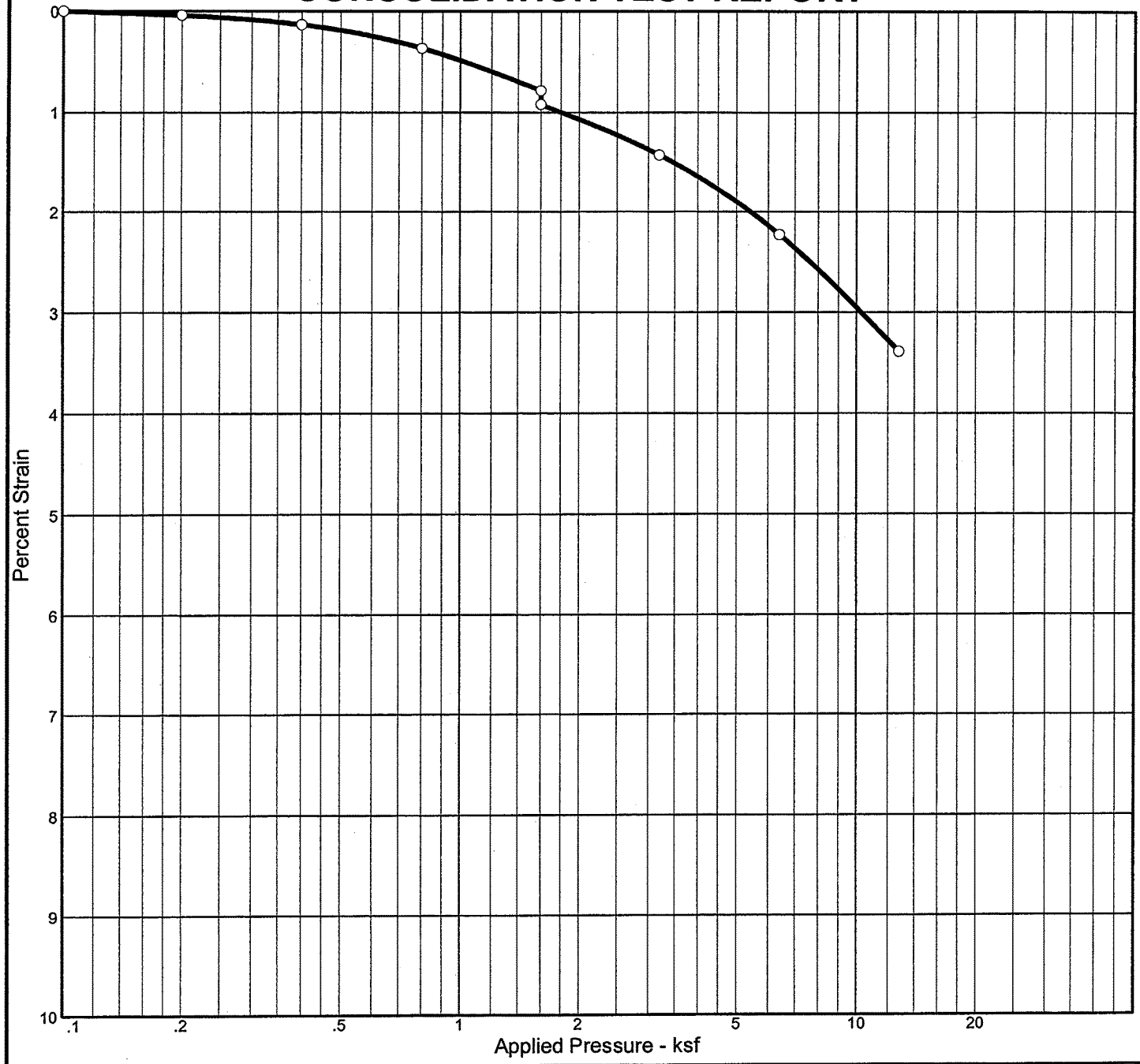
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_r	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
88.8 %	12.7 %	120.0			2.65		2.58	0.05			0.1	0.379

MATERIAL DESCRIPTION	USCS	AASHTO
SILTY SAND, BROWN	SM	

Project No. M3643-GS **Client:** MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source: CONSOL **Sample No.:** B3 @ 7.5

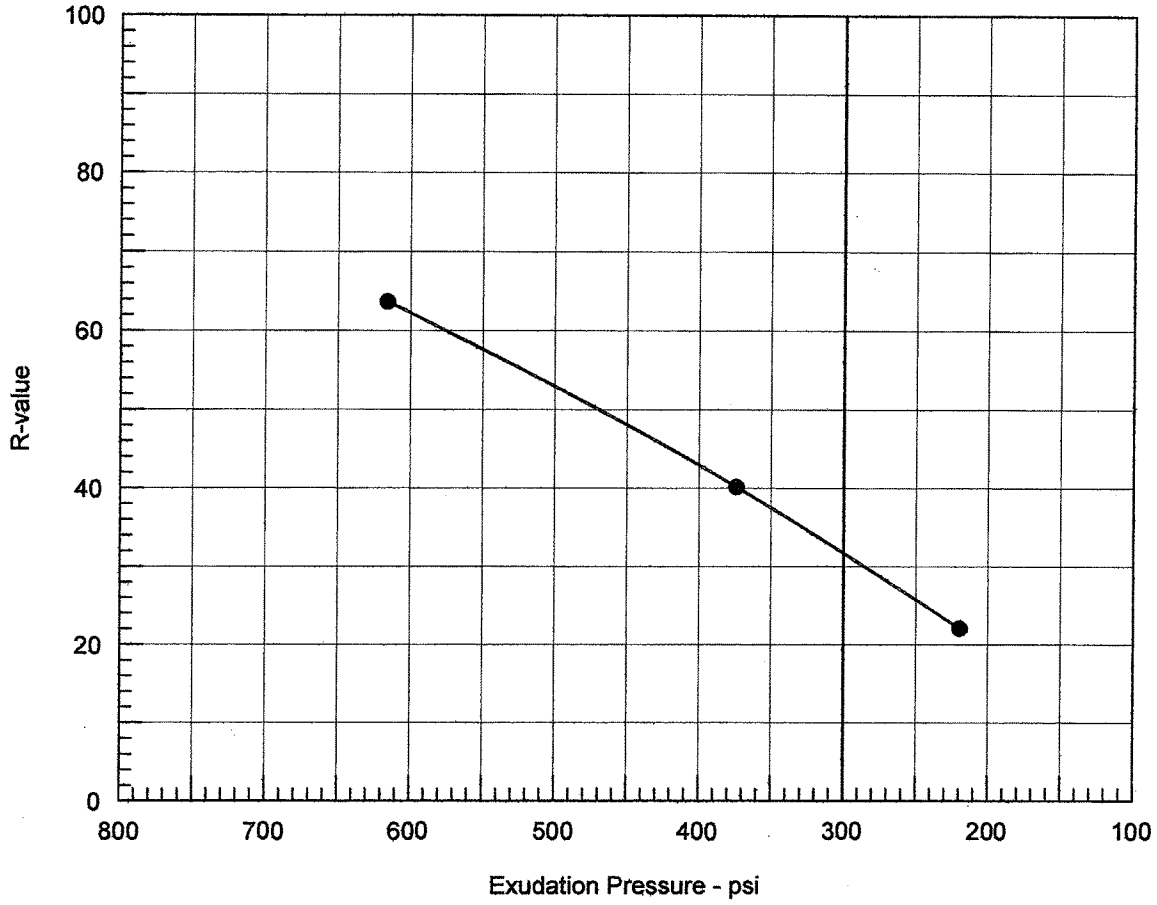
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

CONSOLIDATION TEST REPORT

ENVIRONMENTAL AND GEOTECHNICAL ENGINEERING NETWORK CORPORATION

Figure

R-VALUE TEST REPORT



Resistance R-Value and Expansion Pressure - Cal Test 301

No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height in.	Exud. Pressure psi	R Value	R Value Corr.
1	175	124.7	12.8	5.76	117	2.52	220	22	22
2	300	128.0	11.5	15.46	88	2.48	374	40	40
3	350	128.4	10.9	24.25	52	2.49	616	64	64

Test Results	Material Description
R-value at 300 psi exudation pressure = 32	SILTY SAND, BROWN

Project No.: M3643-GS
Project:MOTTE INDUSTRIAL
Source of Sample: R-VALUE
Sample Number: B1 @ 0-5
Date: 4/26/2007

Tested by: JH
Checked by: JH

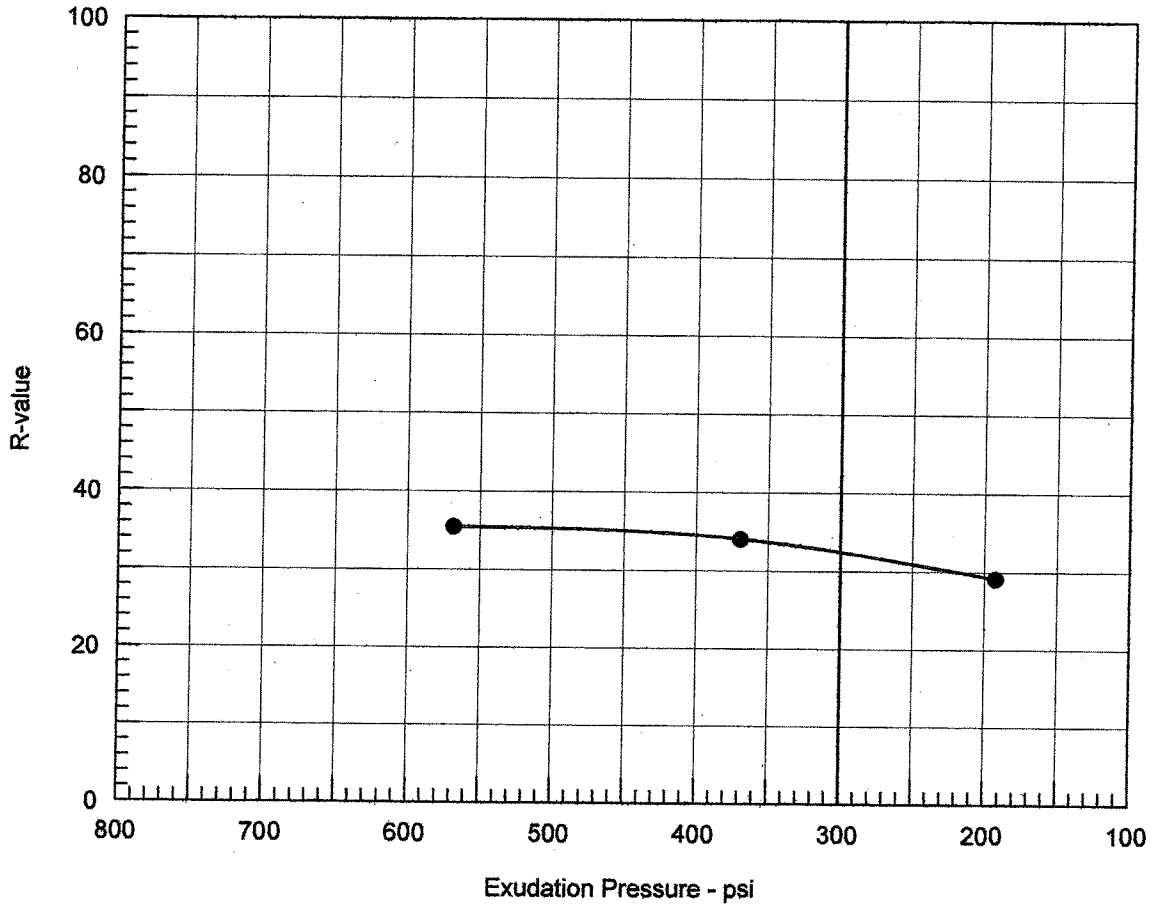
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

R-VALUE TEST REPORT

EnGEN Corporation

Figure 1

R-VALUE TEST REPORT



Resistance R-Value and Expansion Pressure - Cal Test 301

No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height In.	Exud. Pressure psi	R Value	R Value Corr.
1	350	118.9	9.3	51.54	80	2.46	568	35	35
2	350	124.9	10.4	30.62	84	2.45	369	34	34
3	325	128.0	11.4	14.55	100	2.44	193	30	29

Test Results	Material Description
R-value at 300 psi exudation pressure = 32	SILTY SAND, BROWN

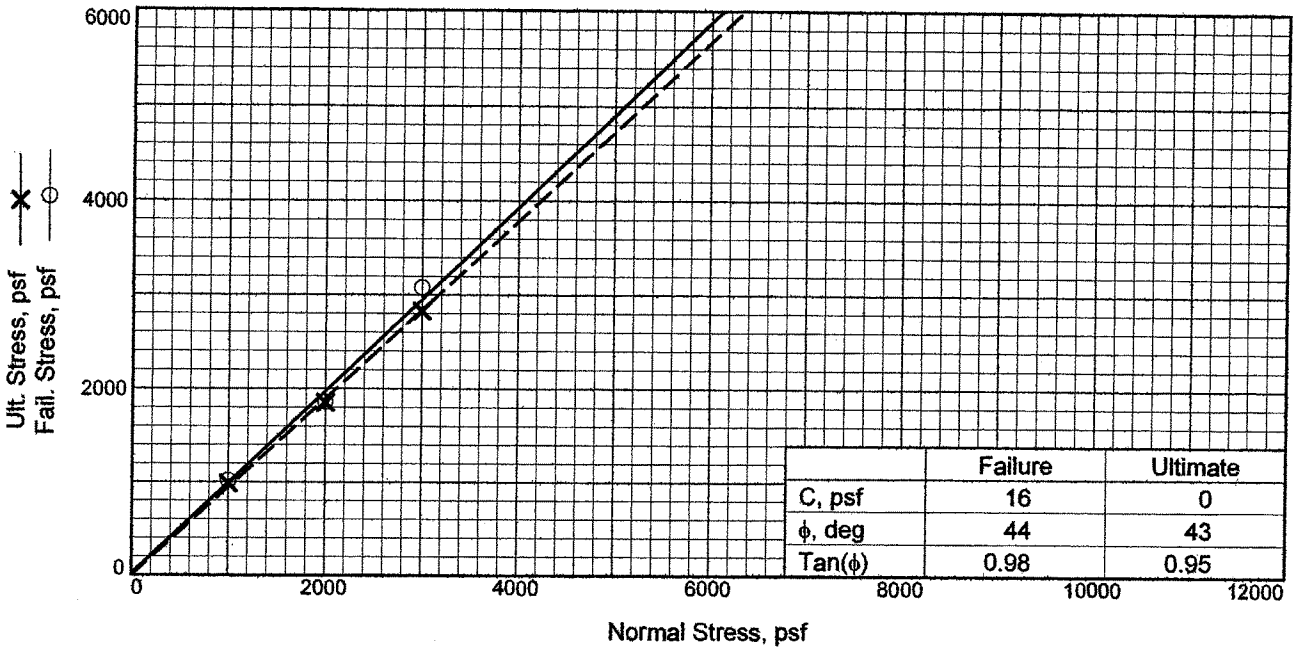
Project No.: M3643-GS
Project:MOTTE INDUSTRIAL
Source of Sample: R-VALUE
Sample Number: B4 @ 0-5
Date: 4/30/2007

Tested by: SW
Checked by: JH
Remarks:
COLLECTED BY ED
COLLECTED ON (4/24/07)

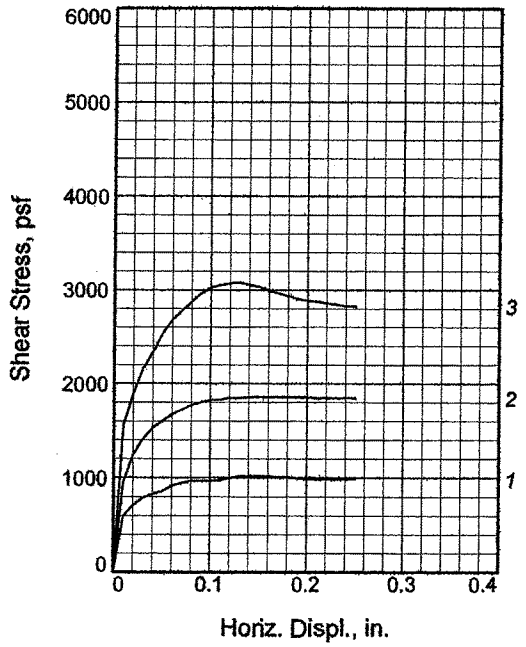
R-VALUE TEST REPORT

EnGEN Corporation

Figure 1



	Failure	Ultimate
C, psf	16	0
ϕ, deg	44	43
Tan(ϕ)	0.98	0.95



Sample No.		1	2	3
Initial	Water Content, %	10.0	N/A	N/A
	Dry Density, pcf	118.2	N/A	N/A
	Saturation, %	64.6	N/A	N/A
	Void Ratio	0.4153	N/A	N/A
	Diameter, in.	2.42	2.42	2.42
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf			
	Saturation, %			
	Void Ratio			
	Diameter, in.			
	Height, in.			
Normal Stress, psf		1000	2000	3000
Fail. Stress, psf		1017	1858	3081
Displacement, in.		0.13	0.14	0.13
Ult. Stress, psf		988	1849	2827
Displacement, in.		0.20	0.21	0.24
Strain rate, in./min.		0.20	0.20	0.20

Sample Type: REMOLDED
Description: SILTY SAND, BROWN

LL= **PL=** **PI=**
Specific Gravity= 2.68
Remarks: COLLECTED BY ED
COLLECTED ON (4/24/07)

Figure _____

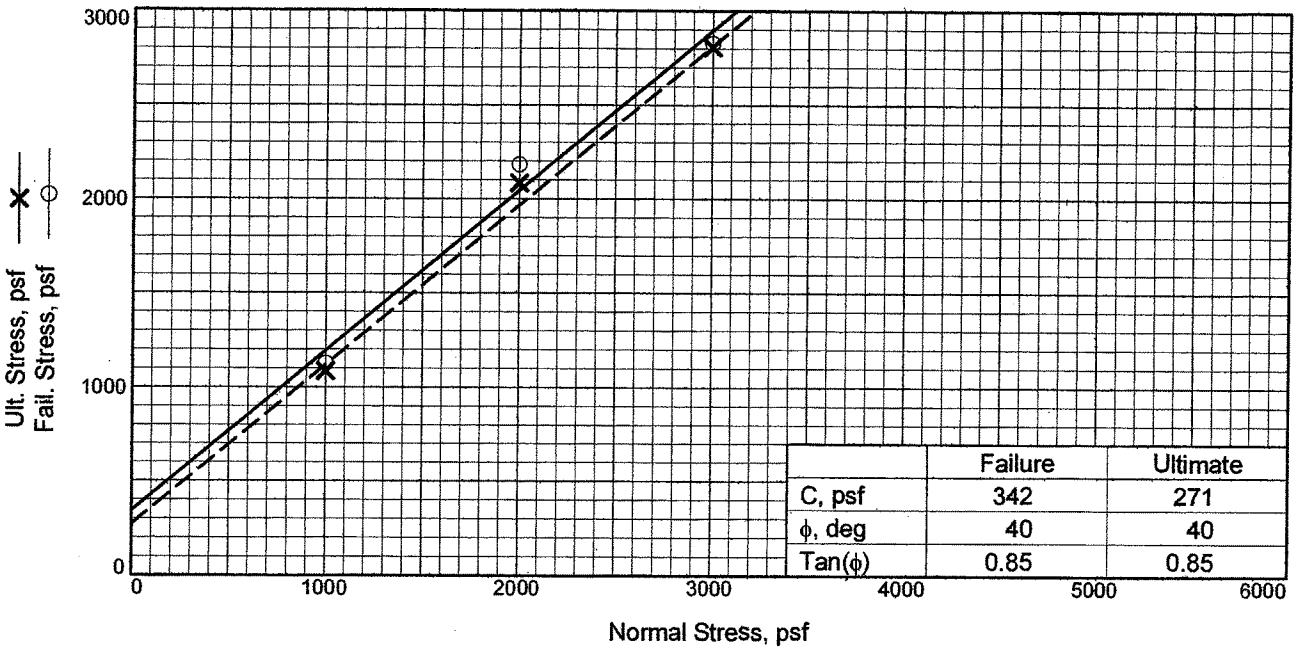
Client: MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

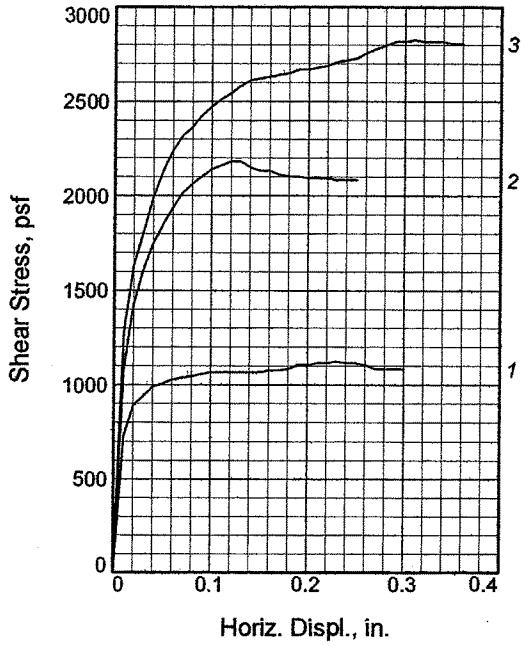
Source of Sample: SHEAR
Sample Number: B4 @ 0-5
Proj. No.: M3643-GS **Date:** 4/30/07

DIRECT SHEAR TEST REPORT
ENVIRONMENTAL AND GEOTECHNICAL
ENGINEERING NETWORK CORPORATION

Tested By: AS **Checked By:** JH



	Failure	Ultimate
C, psf	342	271
ϕ, deg	40	40
Tan(ϕ)	0.85	0.85



Sample No.		1	2	3
Initial	Water Content, %	11.7	11.7	11.7
	Dry Density, pcf	115.6	115.6	115.6
	Saturation, %	67.1	67.1	67.1
	Void Ratio	0.4745	0.4745	0.4745
	Diameter, in.	2.42	2.42	2.42
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	N/A	N/A	N/A
	Dry Density, pcf			
	Saturation, %			
	Void Ratio			
	Diameter, in.			
	Height, in.			
Normal Stress, psf		1000	2000	3000
Fail. Stress, psf		1125	2181	2827
Displacement, in.		0.23	0.12	0.31
Ult. Stress, psf		1086	2083	2807
Displacement, in.		0.27	0.23	0.35
Strain rate, in./min.		0.20	0.20	0.20

Sample Type: REMOLDED
Description: SILTY SAND, BROWN

LL= **PL=** **PI=**
Specific Gravity= 2.73
Remarks: COLLECTED BY ED
COLLECTED ON (4/24/07)

Figure _____

Client: MOTTE TOWN CENTER 1, LLC

Project: MOTTE INDUSTRIAL

Source of Sample: SHEAR
Sample Number: B1 @ 0-5
Proj. No.: M3643-GS **Date:** 4/26/07

DIRECT SHEAR TEST REPORT
ENVIRONMENTAL AND GEOTECHNICAL
ENGINEERING NETWORK CORPORATION

Tested By: AS **Checked By:** JH

UBC Laboratory Expansion Test Results

4/26/2007

Job Number: M3643-GS
Job Name: MOTTE INDUSTRIAL
Location: ANTELOPE ROAD
Sample Source: B3 @ 0-5
Sampled by: ED (4/24/07)
Lab Technician: AS
Sample Descr: SILTY SAND, BROWN

Wet Compacted Wt.:	620.2
Ring Wt.:	199.1
Net Wet Wt.:	421.1
Wet Density:	127.2
Wet Soil:	200.0
Dry Soil:	182.5
Initial Moisture (%):	9.6%
Initial Dry Density:	116.0
% Saturation:	57.3%
Final Wt. & Ring Wt.:	645.1
Net Final Wt.:	446.0
Dry Wt.:	384.3
Loss:	61.7
Net Dry Wt.:	380.7
Final Density:	115.0
Saturated Moisture:	16.2%

	Dial	Change	Time
Reading 1:	0.100	N/A	12:00
Reading 2:	0.100	0.000	12:15
Reading 3:	0.103	0.003	12:30
Reading 4:	0.104	0.004	26-Apr

Expansion Index:	4
Adjusted Index:	7.1
(UBC 18-2)	

EnGEN Corporation
25759 Jefferson Avenue, Murrieta, CA
92562
(951) 834-9000
Fax: (951) 834-9001

Prime Testing, Inc.
38372 Innovation Ct Ste 102 Murrieta, CA 92563
ph (951) 894-2682 • fx (951) 894-2683

Client: EnGEN Corporation
Report Date: May 2, 2007
Client No: A02
Work Order: 7D4
Project No: M3643-GS [P.O. #3286]
Project Name: Motte Industrial

Laboratory Test(s) Results Summary

The subject soil sample was processed in accordance with California Test Method CTM 643 and tested for pH / Minimum Resistivity (CTM 643), Sulfate Content (CTM 417) and Chloride Content (CTM 422). The test results follow:

Client Data			pH	Minimum Resistivity (ohm-cm)	Sulfate Content (mg/kg)	Sulfate Content (% by wgt)	Chloride Content (ppm)
Sample No.	Sample Location	Depth (ft)					
–	B-1	0-5	7.9	1,000	260	0.026	40

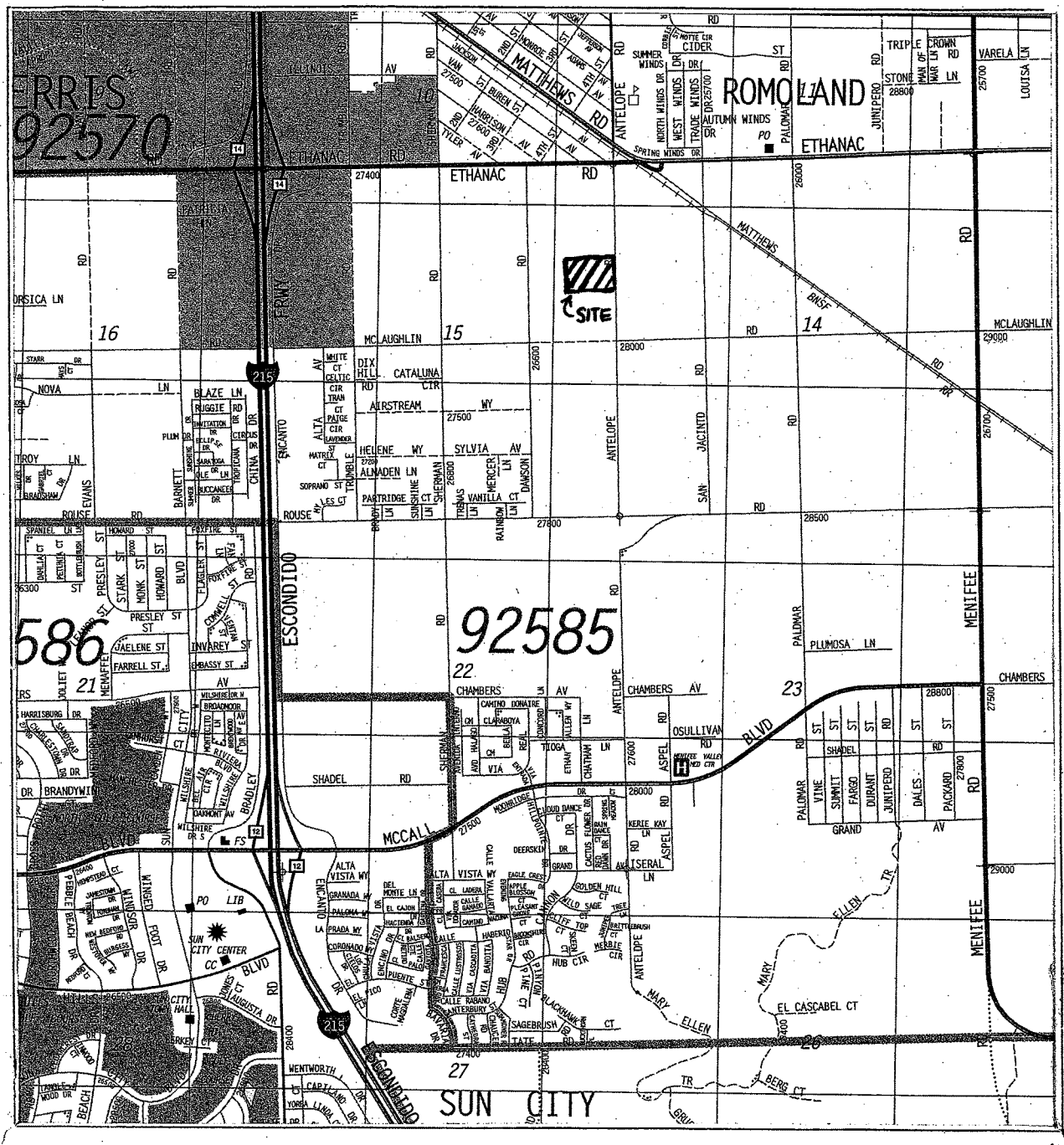
*ND=No Detection

We appreciate the opportunity to serve you. Please do not hesitate to contact us with any questions or clarifications regarding these results or procedures.

Ahmet K. Kaya, Laboratory Manager

ASTM INTERNATIONAL ORGANIZATIONAL MEMBER

DRAWINGS

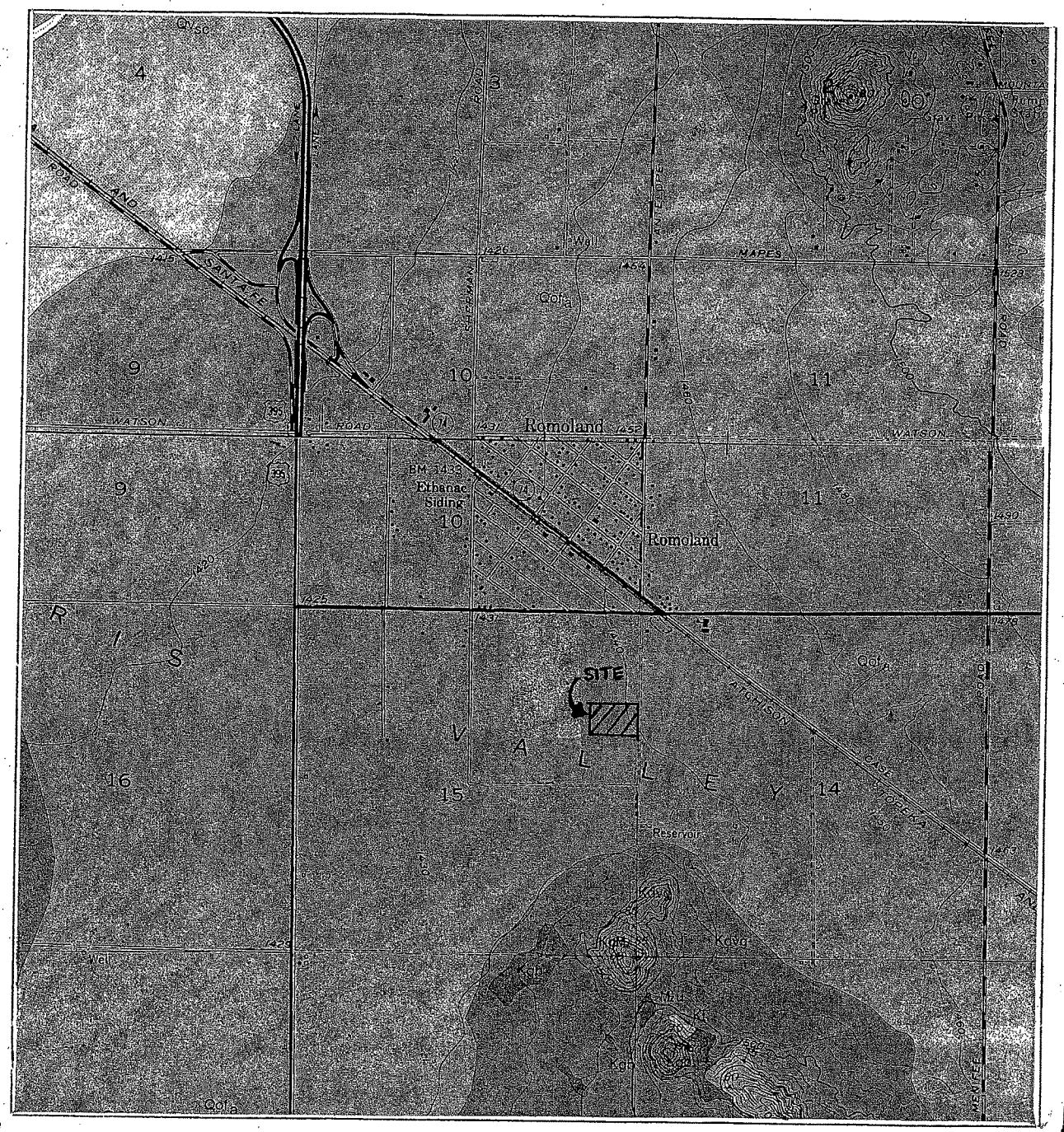


EnGEN Corporation

Geotechnical Engineering | Engineering Geology | Special Inspection | Material Testing | Environmental Assessments

SITE LOCATION MAP			
PROJECT NUMBER:	M3643-GS	LEGAL DESCRIPTION:	APN: 331-150-037
DATE: JUNE 2007		SCALE: 1"=2,400'	
CLIENT NAME:	MOTTE INDUSTRIAL	FIGURE:	1

BASE MAP: The Thomas Guide, San Bernardino & Riverside Counties, 2005 edition.

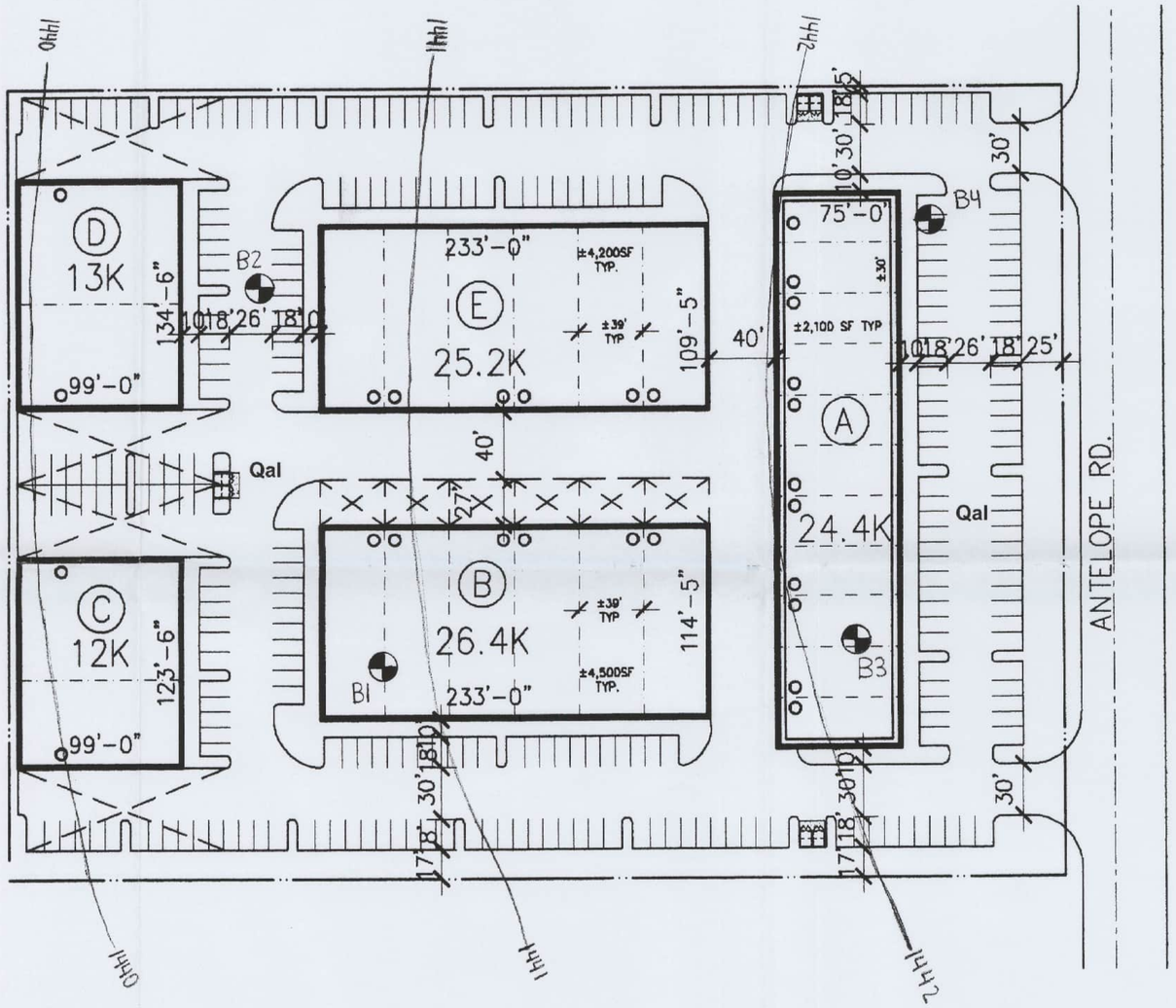


EnGEN Corporation

Geotechnical Engineering | Engineering Geology | Special Inspection | Material Testing | Environmental Assessments

GEOLOGIC LOCATION MAP				
PROJECT NUMBER:	M3643-GS	LEGAL DESCRIPTION:	APN: 331-150-037	
DATE: JUNE 2007		SCALE: 1"=2,000' approx.		
CLIENT NAME:	MOTTE INDUSTRIAL		FIGURE:	2

BASE MAP: Morton, D.M., Geologic Map of the Romoland 7.5' Quadrangle, Riverside Counties, California: A Digital Database, Scale 1:24,000, Open-File Report 03-102.



PROJECT DATA:

SITE AREA:
GROSS: 6.71 AC (292,287 SF)

BUILDING AREA: 101,000 SF

F.A.R.: .345 (GROSS)

PRKG PROV: 2.7/1000

LEGEND

B4 APPROXIMATE BORING LOCATION

Qal ALLUVIUM

SITE LEGEND:

O GRADE LEVEL TRUCK DOOR

MIKE NAGGAR & ASSOCIATES

RANCON GROUP

CONCEPTUAL SITE PLAN

4.25.07

EnGEN Corporation Geotechnical Engineering | Engineering Geology | Special Inspection | Material Testing | Environmental Assessments

GEOTECHNICAL STUDY SITE PLAN			
PROJECT NUMBER:	M3643-GS	LEGAL DESCRIPTION:	APN: 331-150-037
DATE: JUNE 2007		SCALE: 1"=60' approx.	
CLIENT NAME:	MOTTE INDUSTRIAL	PLATE:	1

Topography Based on: Riverside County Flood Control and Water Conservation District, Ortho-photo Map, T52/R3W Section 15, photography date March 10, 2004.

NOTE:
THIS CONCEPTUAL DESIGN PLAN IS BASED UPON A PRELIMINARY REVIEW OF PUBLISHED INFORMATION AND ON LIMITED AND POSSIBLY INCOMPLETE SITE INFORMATION, AND IS INTENDED MERELY TO ASSIST IN EXPLORING HOW THE SITE MIGHT BE DEVELOPED.

0 15 30 60 120

scale: 1" = 30' 062-045-00 NORTH

MOTTE INDUSTRIAL
ROMOLAND, CA

WARE MALCOMB
architecture
planning
interiors
graphics
www.waremalcomb.com
P 856.636.7277

GE002101 A

GEO 02101

RESPONSE TO COMMENTS

NUMBER OF PAGES: 6

November 6, 2008

Mr. Mike Naggar
Motte Town Center I, LLC
445 South D Street
Perris, California 92570
(951) 657-4281/ FAX (951) 657-2406

Received
NOV 13 2008

Regarding: **Response to Review Comments, GEO #2101**
Motte Industrial - Assessor's Parcel Number: 331-150-037
Antelope Road and Ethanac Road
Romoland Area, Riverside County, California
Project Number: M3643-CS

Dear Mr. Naggar:

According to your request and signed authorization, we have prepared this letter in response to the Riverside County, Transportation and Land Management Agency, Planning Department review comments dated October 22, 2008, to the referenced geotechnical report as it applies specifically to Assessor's Parcel Number 331-150-037. For ease of understanding, we are restating the review comments and addressing them individually.

1. *"The site description should include the maximum and minimum AMSL elevations for this site. Please provide."*

   Response 1: The elevations for the site are estimated to range from approximately 1438 to 1450 as shown on Plate 1 of the original report and as stated in the references of the same (Technical Reference No. 20, in the Appendix) are based on the following reference:

   Riverside County Flood Control and Water Conservation District (RCFCWD), 2004 Ortho-photo Map, T.5S, R.3W., Section II, Scale 1"=200', date of photography March 10, 2004.

2. *"The plan included with the report is not the same as the exhibit submitted for this project. The consultant should be provided with the latest submitted exhibit for this project for their review, to use as a base map for presenting their data and to ascertain if their recommendations are still applicable."*

Response 2: Please find attached to this letter a copy of the revised Geotechnical Site Plan. The minor changes in site configuration do not affect the recommendations of the original report dated June 27, 2007.

3. *"Please provide the site specific data (site geologic mapping, literature research, aerial photo review, lineament analysis, etc.) used to conclude that no active faults exist within the project limits and therefore the potential for this site to be affected by surface fault rupture is considered low."*

Response 3:

Based upon our review of readily available stereoscopic aerial photographs and literature reviewed for the site, no photo-lineaments were observed nor suspected to be crossing the subject site. As a result, no modifications to the previous conclusion are considered necessary. This specific data utilized to reach this conclusion is listed below for ease of reference.

1. Hart, Earl W., and Bryant, William A., 1997, Revised 1999, Fault-Rupture Hazard Zones in California, Alquist-Priolo Earthquake Fault Zoning Act with Index to Earthquake Fault Zone Maps: State of California, Department of Conservation, Division of Mines and Geology, 38 pages.

2. Morton, D. M., 1999, Preliminary Digital Geologic Map of the Santa Ana 30' x 60' Quadrangle, Southern California, Version 1.0, United States Geological Survey, Open File Report 99-172.

3. Morton, D. M., 2003, Preliminary Digital Geologic Map of the Romoland 7.5 Minute Quadrangle, Riverside County California, USGS, Open File Report OFR 039-102.

4. Riverside County Land Information System (RCLIS), 2008, Fault Zones Report, retrieved from: http://www3.tlma.co.riverside.ca.us/pa/rclis/viewer.htm on November 5, 2008 at.

5. Riverside County Flood Control and Water Conservation District (RCFCWD), 2004 Ortho-photo Map, T.5S, R.3W., Section II, Scale 1"=200', date of photography March 10, 2004.

6. Riverside County Flood Control and Water Conservation District, (RCFCDWD), 1974, Aerial Photograph Flight Nos. 519 and 520, Scale 1"=1600', photographed on June 20, 1974.

7. Riverside County Flood Control and Water Conservation District, (RCFCDWD), 1962, Aerial Photograph Flight Nos. 1-16 and 1-17, Scale 1"=2000', photographed on January 28, 1962.

4. *"Based on the submittal date of this report, all references to the California Building Code and the associated seismic design parameters should be updated to reflect the provisions of the new recently adopted California Building Code (CBC 2007)"*

Response 4: The following seismic parameters are considered to now apply to the subject report which were not in affect at the time the report was prepared and satisfy the new CBC 2007 requirements.

Seismic Design Parameters: The following seismic parameters apply:

Design Fault Name: San Jacinto Fault - San Jacinto Valley Segment

Nearest Estimated Closest Distance to Fault: 16.1 Km

Description	Design Parameters
SITE LATITUDE:	33.4419
SITE LONGITUDE:	-117.1022
SITE CLASS:	D
SPECTRAL RESPONSE (SHORT):	(0.2 sec) – Ss: 1.5
SPECTRAL RESPONSE – (1-SECOND):	(1.0 sec) – S_1: 0.6
SHORT PERIOD SITE COEFFICIENT:	Fa: 1.0
1-SECOND PERIOD SITE COEFFICIENT:	Va: 1.5
ADJUSTED SPECTRAL RESPONSE:	(Short Period) - 0.2 sec – S_{ms}: 1.5
ADJUSTED SPECTRAL RESPONSE:	(One Sec) – S_{m1}: 0.9
DESIGN SPECTRAL RESPONSE:	(Short Period) 0.2 sec – S_{ds}: 1.0
DESIGN SPECTRAL RESPONSE:	(One Sec) 1.0 sec – S_{d1}: 0.6

Finish Lot Drainage Recommendations: Finish lot surface gradients in unpaved areas should be provided next to tops of slopes and buildings to direct surface water away from foundations and slabs and from flowing over the tops of slopes. The surface water should be directed toward suitable drainage facilities. Ponding of surface water should not be allowed next to structures or on pavements. In paved or unpaved areas, a minimum positive gradient of 2.0 percent away from the structures and tops of slopes for a minimum distance of 10.0-feet and a minimum of 1.0 percent pad drainage off the property in a non-erosive manner should be provided.

5. *"The foundation recommendation section of the report calls for continuous footings to be a minimum of 12 inches wide and embedded a minimum of 12 inches, however, the dry sand settlement calculations appear to have been performed for 24 inch wide footings embedded 24 inches. Please explain"*

Response 5: The 24" X 24" footings were used for the dry sand settlement calcs because it represents what we might anticipate as a "worst case scenario". The 12" X 12" footing configuration is a "minimum", and could be exceeded by the structural analysis due to heavier loads and deeper grade beams. As a result, the calcs are preformed for the anticipated heavier structural possibility, with bottom of footing closest to the uncompacted soil zone.

6. *"The Geologic Location Map (Figure 3) does not include a legend for the units shown. Please provide"*

Response 6: Attached is a copy of the revised Geologic Location Map with the legend as requested.

Thank you for the opportunity to provide these services. We hope this is sufficient for your present needs. Should you have any questions, please contact our office at your convenience.

Respectfully submitted,
EnGEN Corporation

Eric Davisson, PG 8231
Senior Staff Geologist
Expires 02-28-10

ED/OZ:ar

M3541-CS Motte Romoland Ranch GEO 2101 Response

Osbjorn Bratene, GE 162
President
Expires 09-30-09

Response 5: The 24" X 24" footings were used for the dry sand settlement calcs because it represents what we might anticipate as a "worst case scenario". The 12" X 12" footing configuration is a "minimum", and could be exceeded by the structural analysis due to heavier loads and deeper grade beams. As a result, the calcs are preformed for the anticipated heavier structural possibility, with bottom of footing closest to the uncompacted soil zone.

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Thank you for the opportunity to provide these services. We hope this is sufficient for your present needs. Should you have any questions, please contact our office at your convenience.

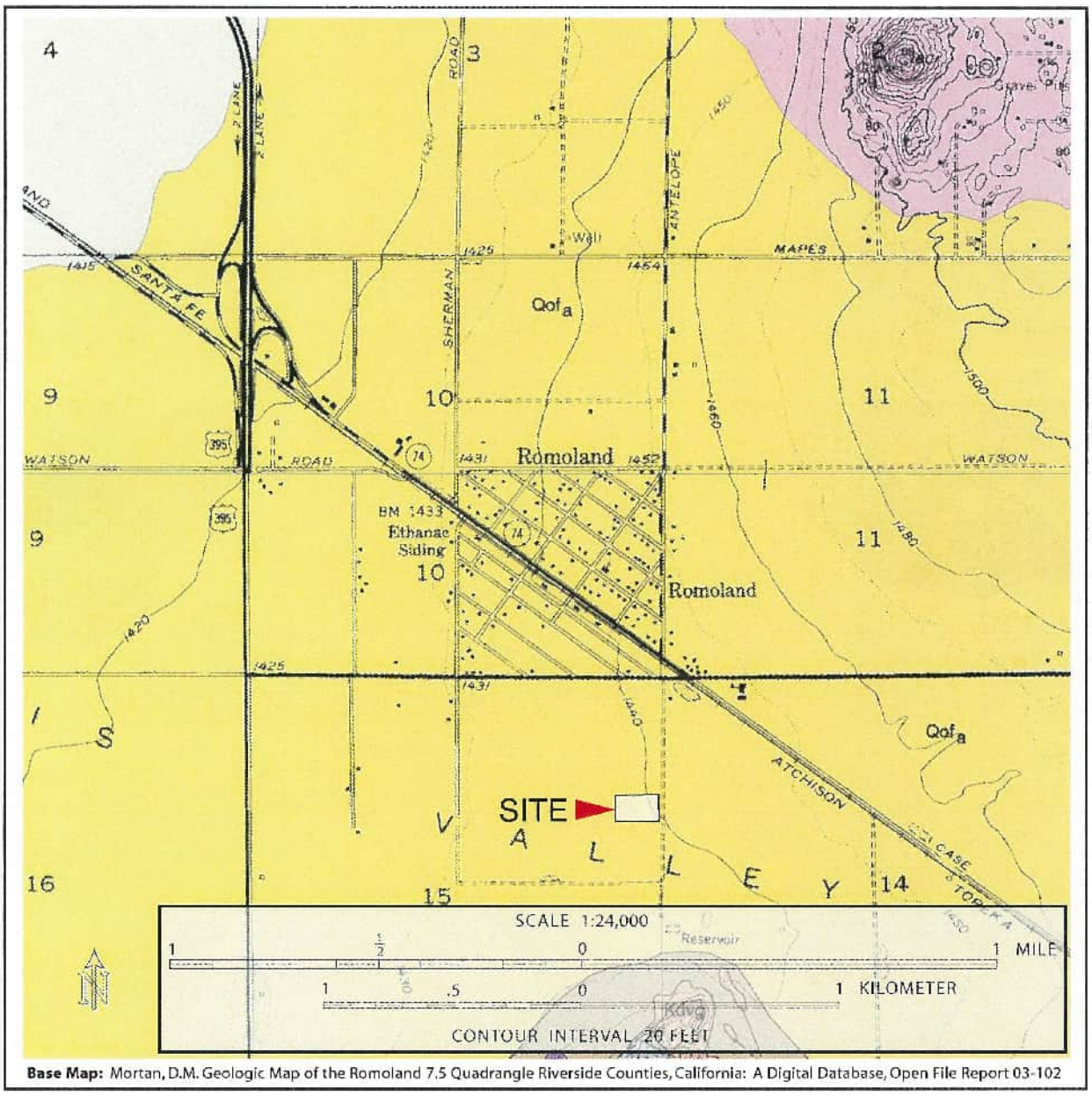
Respectfully submitted,
EnGEN Corporation

Eric Davisson, PG 8231
Senior Staff Geologist
Expires 02-28-10

Osbjorn Bratene, GE 162
President
Expires 09-30-09

ED/OZ:al

M3541-CS Motte Romeland Ranch GEO 2101 Response



Base Map: Mortan, D.M. Geologic Map of the Romoland 7.5 Quadrangle Riverside Counties, California: A Digital Database, Open File Report 03-102

LEGEND

Qof	**Old alluvial fan deposites (late to middle Pleistocene).** In places includes think alluvial fan deposits of Holocene age.
Kdvg	**Granodiorite to tonalite** - Relatively uniform massive hornblende biotite granodiorite grading into tonalite.
Kgb	**Gabbro (Cretaceous)** - Mainly hornblende gabbro. Includes noritic and dioritic compostion rocks.
Kt	**Tonalite, undifferentiated (Cretaceous)** - Forms medium to small bodies throughout quadrangle.

On some SCAMP geologic plots, including this quadrangle, characteristic grain size information is displayed using subscripted alpha characters (e.g. Qyf_s, Qov_a), where the characters conform to the following definitions:

a - arenaceous (very coarse sand through very find sand)
b - gravel (cobble through granule gravel)
s - silty
c - clayey

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(909) 834-9000 • Fax: (951) 834-9001
www.engencorp.com

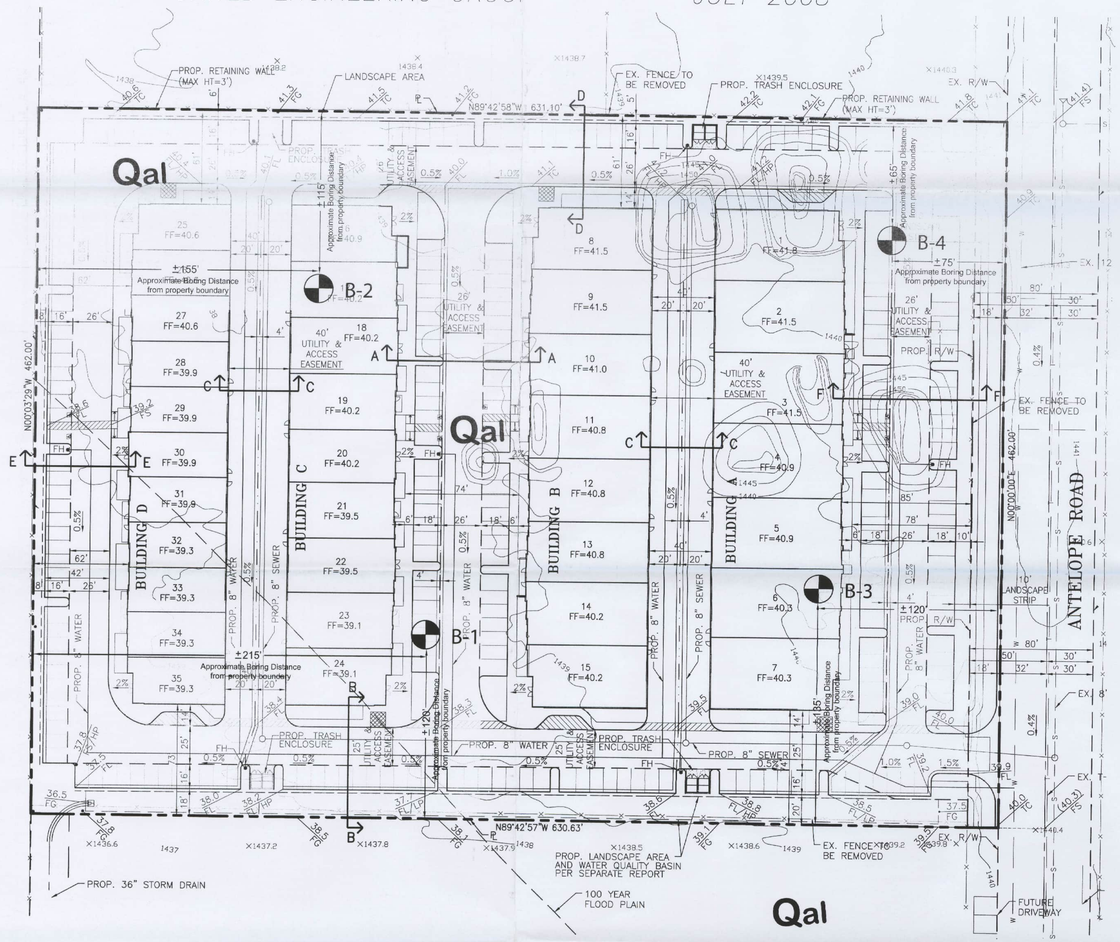
REGIONAL GEOLOGIC MAP

PROJECT NAME: Motte Industrial		DATE: 11-2008
PROJECT NUMBER: M3543-GS	CLIENT: Motte Romoland Ranch	
LEGAL DESCRIPTION:		
ASSESSOR'S PARCEL NUMBER: 329-120-037		FIGURE: 2

IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

PLOT PLAN NO. 23180

UNITED ENGINEERING GROUP — JULY 2008

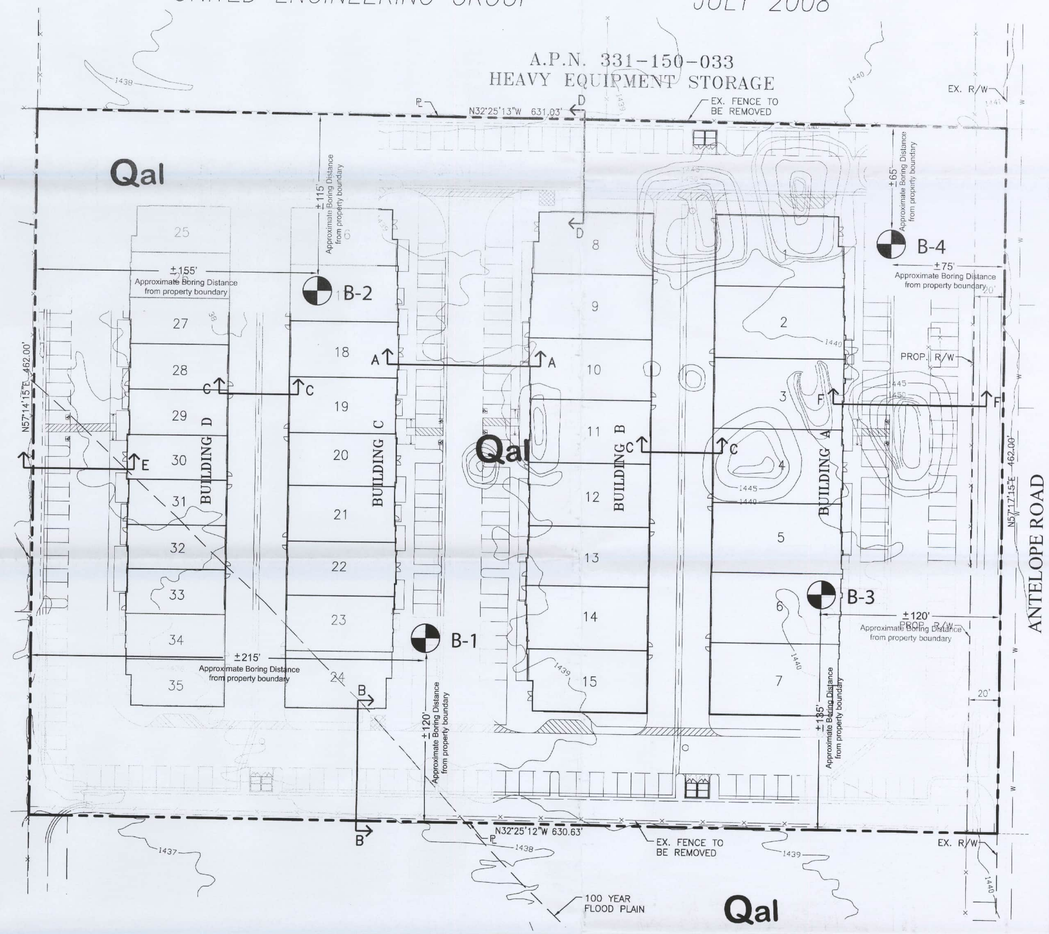


NOTE: Site drawings provided by United Engineering Group

IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

TENTATIVE MAP - PARCEL NO. 35846

UNITED ENGINEERING GROUP — JULY 2008



NOTE: Site drawings provided by United Engineering Group

PROJECT DATA: SITE AREA: 6.71 ACRES (292,287 SQUARE FEET)
BUILDING AREA: 101,000 SQUARE FEET

GEOTECHNICAL STUDY SITE PLAN

OWNER/APPLICANT

MOTTE TOWN CENTER 1, LLC
445 S. D. STREET
PERRIS, CA 92570
951-657-4281

LEGAL DESCRIPTION

LOT 124 AND THE NORTH 132 FEET OF LOT 123 OF TRUMBLE FARMS, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 11 PAGE 38 OF MAPS, RECORDS OF RIVERSIDE COUNTY

ENGINEER

UNITED ENGINEERING GROUP
2990 INLAND EMPIRE BLVD SUITE 111
ONTARIO, CA 91764
909-466-9240

LEGEND

B-4 = APPROXIMATELY LOCATION OF EXPLORATORY BORING

Qal = ALLUVIUM

40' 20' 0' 40' 80'
SCALE: 1" = 40'



VICINITY MAP
T5S, R3W, SECTION 10
U.S.G.S.

EnGEN CORPORATION
25759 Jefferson Avenue
Murrieta, California 92562
(951) 834-9000 Fax (951) 834-9001
www.engencorp.com

PROJECT NAME: Motte Industrial	DATE: November 2008
PROJECT NUMBER: M3643-GS	CLIENT: Motte Town Center
LEGAL DESCRIPTION: Plot Plan 23108 & Parcel Map 35846	
ASSESSOR'S PARCEL NUMBER: 331-150-037	Plate 1

GE002101 B

GEO 02101

COUNTY COMMENTS LETTER(S)

NUMBER OF PAGES: 7

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

October 22, 2008 Pages 6 (including this cover)

EnGEN Corporation
Fax: (951) 834-9001
Attention: Eric Davisson

RE: Review Comments
County Geologic Report No. 2101
Geotechnical/Geological Engineering Study, Motte Industrial – Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS

Please see the attached comments pertaining to the subject report. Please call me at (951) 955-6863 or Mr. David Gaddie at (951) 955-1935 if you have any questions.

Sincerely,

RIVERSIDE COUNTY PLANNING DEPARTMENT
Ron Goldman, Planning Director

David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

Attachments: Review Comments

cc: Planner: Russell Brady, Riverside Office, Fax: (951) 955-3157
Eng/Rep: Gerardo Garduno, United Engineering Group, Fax: (909) 466-9253
File: GEO02101, PP23180, PM35846

W:\Geology\CGR\GEO02100-2299\geo02101_comments.DOC

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(951) 955-3200 · Fax (951) 955-3157

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Palm Desert, California 92211
(760) 863-8277 · Fax (760) 863-7555

PLOT PLAN:TRANSMITTED Case #: PP23180 Parcel: 331-150-037

5. DRT CORRECTIONS REQUIRED

PLANNING DEPARTMENT

5.PLANNING. 1 DRT - GEO02101 REQUIRED

County Geologic Report (GEO) No. 2101, submitted for this project (PP23180 & PM35846), was prepared by EnGEN Corporation and is entitled: "Geotechnical/Geological Engineering Study, Motte Industrial - Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS", dated June 27, 2007.

Prior to scheduling this project for public hearing, clarification and/or additional information, relative to the issues enumerated by Mr. Larry Cooley in his October 14, 2008 Seismic/Geologic Report Review comments memo, shall be submitted to the County Geologist for review and approval.

In addition, the following clarification and/or additional information, shall be submitted to the County Geologist for review and approval.

1.The site description should include the maximum and minimum AMSL elevations for this site. Please provide.

2.The plan included with the report is not the same as the exhibit submitted for this project. The consultant should be provided with the latest submitted exhibit for this project for their review, to use as a base map for presenting their data and to ascertain if their recommendations are still applicable.

3.Please provide the site specific data (site geologic mapping, literature research, aerial photo review, lineament analysis, etc.) used to conclude that no active faults exist within the project limits and therefore the potential for this site to be affected by surface fault rupture is considered low.

4.Based on the submittal date of this report, all references to the California Building Code and the associated seismic design parameters should be updated to reflect the provisions of the new recently adopted California Building code (CBC 2007).

5.The foundation recommendation section of the report calls for continuous footings to be a minimum of 12 inches wide

PLOT PLAN:TRANSMITTED Case #: PP23180 Parcel: 331-150-037

5. DRT CORRECTIONS REQUIRED

5.PLANNING. 1 DRT - GEO02101 (cont.) REQUIRED

and embedded a minimum of 12 inches, however, the dry sand settlement calculations appear to have been performed for 24 inch wide footings embedded 24 inches. Please explain.

6.The Geologic Location Map (Figure 2) does not include a legend for the units shown. Please provide.

PARCEL MAP Parcel Map #: PM35846 Parcel: 331-150-037

5. DRT CORRECTIONS REQUIRED

PLANNING DEPARTMENT

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PARCEL MAP Parcel Map #: PM35846 Parcel: 331-150-037

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LARRY D. COOLEY, PE

MEMORANDUM
Technical Review Comments

DATE: October 14, 2008

TO: **David L. Jones** – County Geologist

County of Riverside – Transportation and Land Management Agency

FROM: **Larry D. Cooley,** PE; Geotechnical Consultant – County of Riverside Planning Department

RE: GEO No. 02101: Updated Geotechnical Report Review for Proposed Motte Industrial in Romoland area

It is recommended that EnGEN Corp., as preparer of subject report, respond to the following comments upon review of the initial submittal received on October 1, 2008:

- As a matter of clarification, the preparer of the report, EnGEN Corp., should revise the description of the development consistent with tilt-up concrete buildings for industrial purposes; i.e., not "two story wood-framed" as stated. The site is actually located some distance southerly of the intersection of Antelope and Ethanac Roads.
- The nominal thickness for an industrial interior slabs is typically six inches (the report states minimum four inches); provide modulus of subgrade reaction used for determination

CONSULTANT SUMMARY AND RECOMMENDATIONS

It is my opinion that this report may require at least one more review prior to clearance by the Planning Department.

** Transmit Confirmation Report **

P.1 Oct 23 2008 09:26am
PLANNING Fax:951-955-0923

Name/Fax No.	Mode	Start	Time	Page	Result	Note
98349001	Normal	23,09:21am	1'34"	6	* O K	BrdCast
919094669253	Normal	23,09:25am	0'52"	6	# O K	BrdCast

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

October 22, 2008 Pages 6 (including this cover)

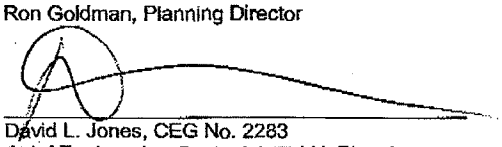
EnGEN Corporation
Fax: (951) 834-9001
Attention: Eric Davisson

RE: Review Comments
County Geologic Report No. 2101
Geotechnical/Geological Engineering Study, Motte Industrial – Assessor's Parcel Number: 331-150-037, Antelope Road and Ethanac Road, Romoland Area, Riverside County, California, Project Number: M3643-GS

Please see the attached comments pertaining to the subject report. Please call me at (951) 955-6863 or Mr. David Gaddie at (951) 955-1935 if you have any questions.

Sincerely,

RIVERSIDE COUNTY PLANNING DEPARTMENT
Ron Goldman, Planning Director



David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

Attachments: Review Comments

cc: Planner: Russell Brady, Riverside Office, Fax: (951) 955-3157
Eng/Rep: Gerardo Garduno, United Engineering Group, Fax: (909) 466-9253
File: GEO02101, PP23180, PM35846

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Palm Desert, California 92211
(760) 863-8277 · Fax (760) 863-7555

GEO 02101

MISCELLEANOUS

NUMBER OF PAGES: 2

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

Memorandum

DATE: September 30, 2008

TO: Larry Cooley
31391 Britton Circle
Temecula, CA 92591
(858) 735-1072

FROM: David L. Jones
Planning Department
County of Riverside
(951) 955-6863

RE: Request for Technical Review
GEO No. 2101

Dear Larry:

I am forwarding the complete file for the above referenced GEO report. Please review the report and provide your comments or as appropriate.

Your assistance is greatly appreciated.

Please let me know if you need any additional information.

W:\Geology\GEO to Larry Cooley.doc

Riverside Office · 4080 Lemon Street, 9th Floor
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COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman · Planning Director

Memorandum

DATE: November 13, 2008

TO: Larry Cooley
31391 Britton Circle
Temecula, CA 92591
(858) 735-1072

FROM: David L. Jones
Planning Department
County of Riverside
(951) 955-6863

RE: Request for Technical Review
Response to Comments
GEO No. 2101

Dear Larry:

I am forwarding the complete file for the above referenced GEO report. The file includes the consultant's response to your previous review comments. Please review the response and provide your approval or additional comments as appropriate.

Your assistance is greatly appreciated.

Please let me know if you need any additional information.

W:\Geology\GEO responses to Larry Cooley.doc

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GEO 02101

ENTITLEMENT MAPS / EXHIBITS

NUMBER OF PAGES: 2

IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

TENTATIVE MAP - PARCEL NO. 35846

UNITED ENGINEERING GROUP JULY 2008

GENERAL NOTES:

1. ASSESSOR'S PARCEL NUMBER: 331-150-037
2. THE PROPERTY SHOWN HEREIN SHOWS CONTAINS THE ENTIRE CONTIGUOUS OWNERSHIP.
3. TOTAL NUMBER OF LOTS = 1 (1 LOT PARCEL MAP NO 35846)
   TOTAL GROSS AREA = 6.71 AC.
   TOTAL NET AREA = 6.50 AC.
   TOTAL AREA TO BE DEDICATED FOR R/W = 0.21 AC.
   TOTAL BUILDING AREA = 2.22 AC.
   TOTAL COMMON AREA = 4.28 AC.
   TOTAL LANDSCAPE AREA = 0.77 AC. (11.5% OF SITE)
   TOTAL NO. OF COMMON AREAS = 1
   TOTAL NO. OF UNITS = 35 INDUSTRIAL CONDOMINIUM UNITS
   TOTAL NUMBER OF PARKING SPACES = 256 STANDARD
   8 HANDICAP ACCESSIBLE
4. CONTOUR INTERVAL = 1 FOOT.
5. ALL SLOPES ARE 2:1 OR FLATTER.
6. THIS MAP IS COMPILED FROM RECORD INFORMATION ONLY AND IS NOT TO BE USED AS A BOUNDARY SURVEY.
7. NO REGULATED TREES EXIST ON SITE UNLESS NOTED.
8. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS MAP ARE APPROXIMATE. (NO RECORDS AVAILABLE)
9. TENTATIVE MAP IS FOR INDUSTRIAL CONDOMINIUM PURPOSES.
10. TENTATIVE MAP IS LOCATED IN THOMAS BROS. MAPS 2005 EDITION ON PAGE 838, E-2.
11. TENTATIVE MAP AREA NOT SUBJECT TO LIQUEFACTION.
12. TENTATIVE MAP AREA NOT IN A COMMUNITY FACILITY DISTRICT.
13. TENTATIVE MAP IS PARTIALLY LOCATED WITHIN A FEMA FLOOD ZONE "A".
14. TENTATIVE MAP IS WITHIN MENIFEE NORTH SPECIFIC PLAN.
15. THE PRELIMINARY GEOTECHNICAL INVESTIGATION WAS PREPARED BY ENGEN CONSULTING DATE 06/27/07.
16. TENTATIVE MAP IS NOT WITHIN AN ACTIVE FAULT ZONE.
17. EXISTING TOPOGRAPHY: ARROWHEAD MAPPING COMPANY AERIAL FLOWN 05/27/2007.
18. ALL IMPROVEMENTS SHALL BE PER RIVERSIDE COUNTY STANDARD.
19. ANY EXISTING FENCE OR STRUCTURE WITHIN PROPOSED DEVELOPMENT AREA WILL BE REMOVED.
20. LOT DIMENSIONS SHOWN HERE ARE APPROXIMATE.
21. NO SUBSURFACE SEPTIC SEWAGE DISPOSAL IS INTENDED.
22. TENTATIVE MAP INCLUDES THE ENTIRE CONTIGUOUS OWNERSHIP OF LAND DIVIDER.

LAND USE INFORMATION

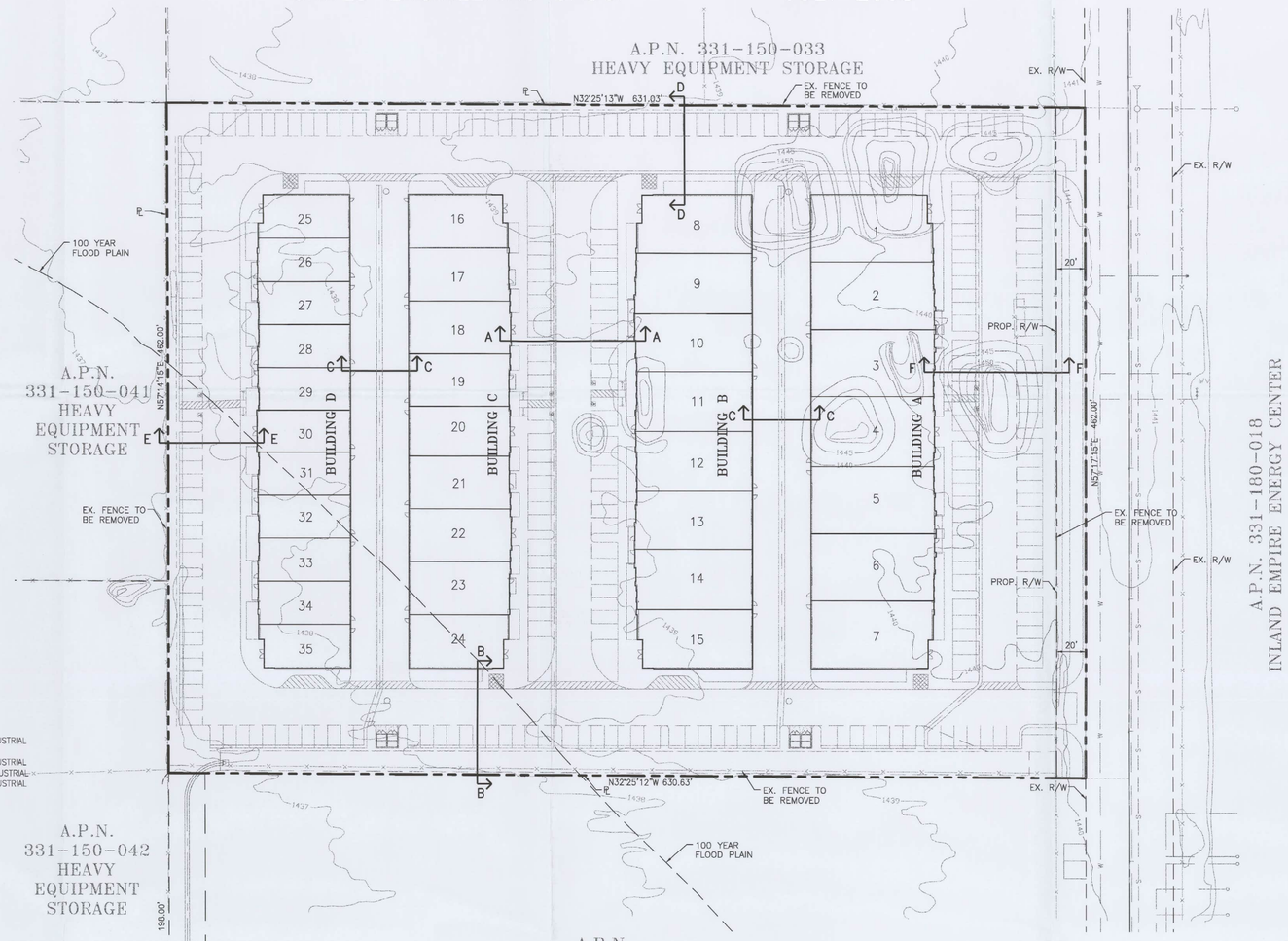
PARCEL NO. 331-150-037 IS A SCHEDULE "A" SUBDIVISION.
EXISTING ZONING.....SP 260 PA-2
EXISTING LAND USE.....VACANT
PROPOSED LAND USE.....INDUSTRIAL PARK

ADJACENT PROPERTIES ZONING / LANDUSE:
NORTH.....SP 260 PA-2 / HEAVY INDUSTRIAL
SOUTH.....RR / VACANT
EAST.....SP 260 PA-3 / HEAVY INDUSTRIAL
WEST.....SP 260 PA-2 / HEAVY INDUSTRIAL
WEST.....SP 260 PA-2 / HEAVY INDUSTRIAL

LEGEND

EX.	EXISTING
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FS	FINISH SURFACE
HP	HIGH POINT
LP	LOW POINT
PROP.	PROPOSED
RW	RETAINING WALL
R/W	RIGHT-OF-WAY
S.D.	STORM DRAIN
TC	TOP OF CURB
TYP.	TYPICAL
(XX.XX)	EXISTING ELEVATION
1	BUILDING NUMBER
FF=40.6	FINISHED FLOOR ELEVATION
	FIRE HYDRANT
	PROPOSED CATCH BASIN
	2:1 SLOPE
	EXISTING PROPERTY LINE
	TRACT BOUNDARY
	EASEMENT LINE
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM DRAIN LINE
	PROPOSED CONCRETE RIBBON GUTTER
	PROPOSED ADA PATH OF TRAVEL
	PROPOSED LOADING AREAS
	PROPOSED BREAK AREAS

40' 20' 0' 40' 80'
SCALE: 1" = 40'



OWNER/APPLICANT

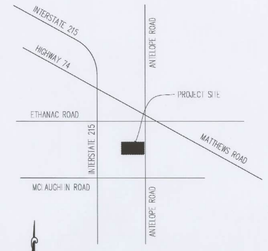
MOTTE TOWN CENTER 1, LLC
445 S. D. STREET
PERRIS, CA 92570
951-657-4281

ENGINEER

UNITED ENGINEERING GROUP
2990 INLAND EMPIRE BLVD SUITE 111
ONTARIO, CA 91764
909-466-9240

LEGAL DESCRIPTION

LOT 124 AND THE NORTH 132 FEET OF LOT 123 OF TRUMBLE FARMS, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 11 PAGE 38 OF MAPS, RECORDS OF RIVERSIDE COUNTY



VICINITY MAP
15S, R3W, SECTION 15
N.T.S.

UTILITY PURVEYORS:

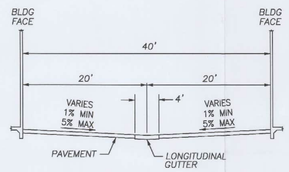
SEWER:	EASTERN MUNICIPAL WATER DISTRICT 2270 TRUMBLE ROAD, P.O. BOX 8300 PERRIS, CA 92572-8300 (909) 928-3777 EXT. 4402
WATER:	EASTERN MUNICIPAL WATER DISTRICT 2270 TRUMBLE ROAD, P.O. BOX 8300 PERRIS, CA 92572-8300 (909) 928-3777 EXT. 4402
ELECTRIC:	SOUTHER CALIFORNIA EDISON 6100 MENIFEE ROAD ROMOLAND, CA 92585 (909) 928-8290
GAS:	SOUTHER CALIFORNIA GAS COMPANY P.O. BOX 3003, 1981 W. LUGONIA REDLANDS, CA 92374 (800) 228-7377
TELEPHONE:	VERIZON 150 S. JUANITA STREET HEMET, CA 92543 (909) 9256253
CABLE SERVICE:	ADELPHIA 26459 INEZ ROAD, SUITE C TEMECULA, CA 92592 (909) 975-3316
SCHOOL DISTRICT:	PERRIS UNIFIED HIGH SCHOOL ROMOLAND ELEMENTARY SCHOOL

EARTHWORK QUANTITY

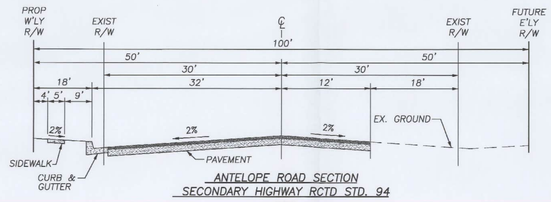
RAW CUT = 1,000 CY
RAW FILL = 10,000 CY.

AREA TABLE:

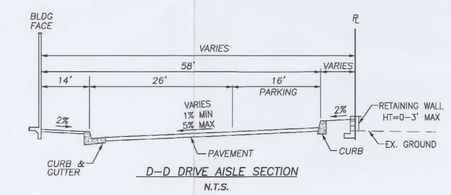
BUILDING NO.	BUILDING S.F.	UNIT NO.	UNIT S.F.
A	27,663	1	3,825
		2	3,970
		3	3,970
		4	4,133
		5	3,970
		6	3,970
		7	3,825
B	26,028	8	3,114
		9	3,330
		10	3,330
		11	3,330
		12	3,330
		13	3,330
		14	3,330
		15	3,114
C	22,747	16	2,465
		17	2,550
		18	2,550
		19	2,550
		20	2,517
		21	2,550
		22	2,550
		23	2,550
		24	2,465
D	20,946	25	1,845
		26	1,920
		27	1,920
		28	1,920
		29	1,920
		30	1,896
		31	1,920
		32	1,920
		33	1,920
		34	1,920
		35	1,845



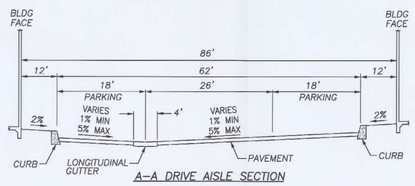
C-C TYPICAL ALLEY SECTION
N.T.S.



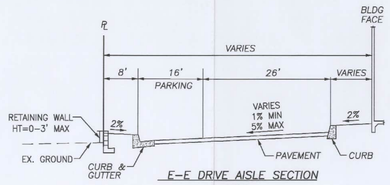
ANTELOPE ROAD SECTION
SECONDARY HIGHWAY RCTD STD. 94
N.T.S.



D-D DRIVE AISLE SECTION
N.T.S.

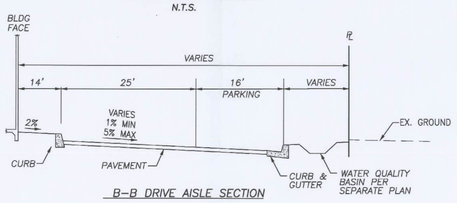


A-A DRIVE AISLE SECTION
N.T.S.

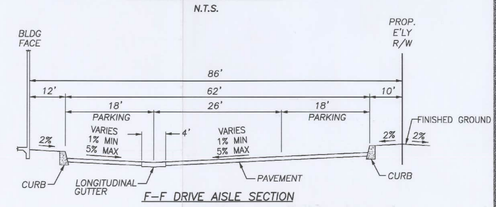


E-E DRIVE AISLE SECTION
N.T.S.

CASE #: PM35846 AMD. #1
DATE: 7/29/08
PLANNER: R.BRADY..



B-B DRIVE AISLE SECTION
N.T.S.



F-F DRIVE AISLE SECTION
N.T.S.

2990 Inland Empire Blvd.
Suite 111
Ontario, CA 91764
Phone: 909.466.9240
Fax: 909.466.9243
www.unitedeng.com
united engineering group

NO.	DESCRIPTION	DATE
1	AMENDED NO. 1 PER COMMENTS	7/15/08

REVISIONS

TENTATIVE PARCEL MAP NO. 35846

PARCEL MAP FOR INDUSTRIAL CONDOMINIUM PURPOSES

COUNTY OF RIVERSIDE

SUBMITTALS:

DESIGNED BY: GJG
DRAWN BY: GJG
CHECKED BY: DP

REGISTERED PROFESSIONAL ENGINEER IAN M. COLE NO. C66602 EXP. 06/30/10 CIVIL STATE OF CALIFORNIA

1

SHEET 1 OF 1

PROJECT NUMBER
CA - 20002

GED02101 C

IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

PLOT PLAN NO. 23180

UNITED ENGINEERING GROUP — JULY 2008

GENERAL NOTES:

1. ASSESSOR'S PARCEL NUMBER: 331-150-037
2. THE PROPERTY SHOWN HEREIN SHOWS CONTAINS THE ENTIRE CONTIGUOUS OWNERSHIP.
3. TOTAL NUMBER OF LOTS = 1 (1 LOT PARCEL MAP NO 35846)
   TOTAL GROSS AREA = 6.71 AC.
   TOTAL NET AREA = 6.50 AC.
   TOTAL AREA TO BE DEDICATED FOR R/W = 0.21 AC.
   TOTAL BUILDING AREA = 2.22 AC.
   TOTAL COMMON AREA = 4.28 AC.
   TOTAL LANDSCAPE AREA = 0.77 AC. (11.5% OF SITE)
   TOTAL NO. OF COMMON AREAS = 1
   TOTAL NO. OF UNITS = 35 INDUSTRIAL CONDOMINIUM UNITS
   TOTAL NUMBER OF PARKING SPACES = 256 STANDARD
   8 HANDICAP ACCESSIBLE
4. CONTOUR INTERVAL = 1 FOOT.
5. ALL SLOPES ARE 2:1 OR FLATTER.
6. THIS PLOT PLAN IS COMPILED FROM RECORD INFORMATION ONLY AND IS NOT TO BE USED AS A BOUNDARY SURVEY.
7. NO REGULATED TREES EXIST ON SITE UNLESS NOTED.
8. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS MAP ARE APPROXIMATE. (NO RECORDS AVAILABLE)
9. PLOT PLAN IS FOR INDUSTRIAL CONDOMINIUM PURPOSES.
10. PLOT PLAN IS LOCATED IN THOMAS BROS. MAPS 2005 EDITION ON PAGE 838, E-2.
11. PLOT PLAN AREA NOT SUBJECT TO LIQUEFACTION.
12. PLOT PLAN AREA NOT IN A COMMUNITY FACILITY DISTRICT.
13. PLOT PLAN IS PARTIALLY LOCATED WITHIN A FEMA FLOOD ZONE "A".
14. PLOT PLAN IS WITHIN MENIFEE NORTH SPECIFIC PLAN.
15. THE PRELIMINARY GEOTECHNICAL INVESTIGATION WAS PREPARED BY ENGEN CONSULTING DATE 06/27/07.
16. PLOT PLAN IS NOT WITHIN AN ACTIVE FAULT ZONE.
17. EXISTING TOPOGRAPHY: ARROWHEAD MAPPING COMPANY AERIAL FLOWN 05/27/2007.
18. ALL IMPROVEMENTS SHALL BE PER RIVERSIDE COUNTY STANDARD.
19. ANY EXISTING FENCE OR STRUCTURE WITHIN PROPOSED DEVELOPMENT AREA WILL BE REMOVED.
20. LOT DIMENSIONS SHOWN HERE ARE APPROXIMATE.
21. NO SUBSURFACE SEPTIC SEWAGE DISPOSAL IS INTENDED.
22. PLOT PLAN INCLUDES THE ENTIRE CONTIGUOUS OWNERSHIP OF LAND DIVIDER.

LAND USE INFORMATION

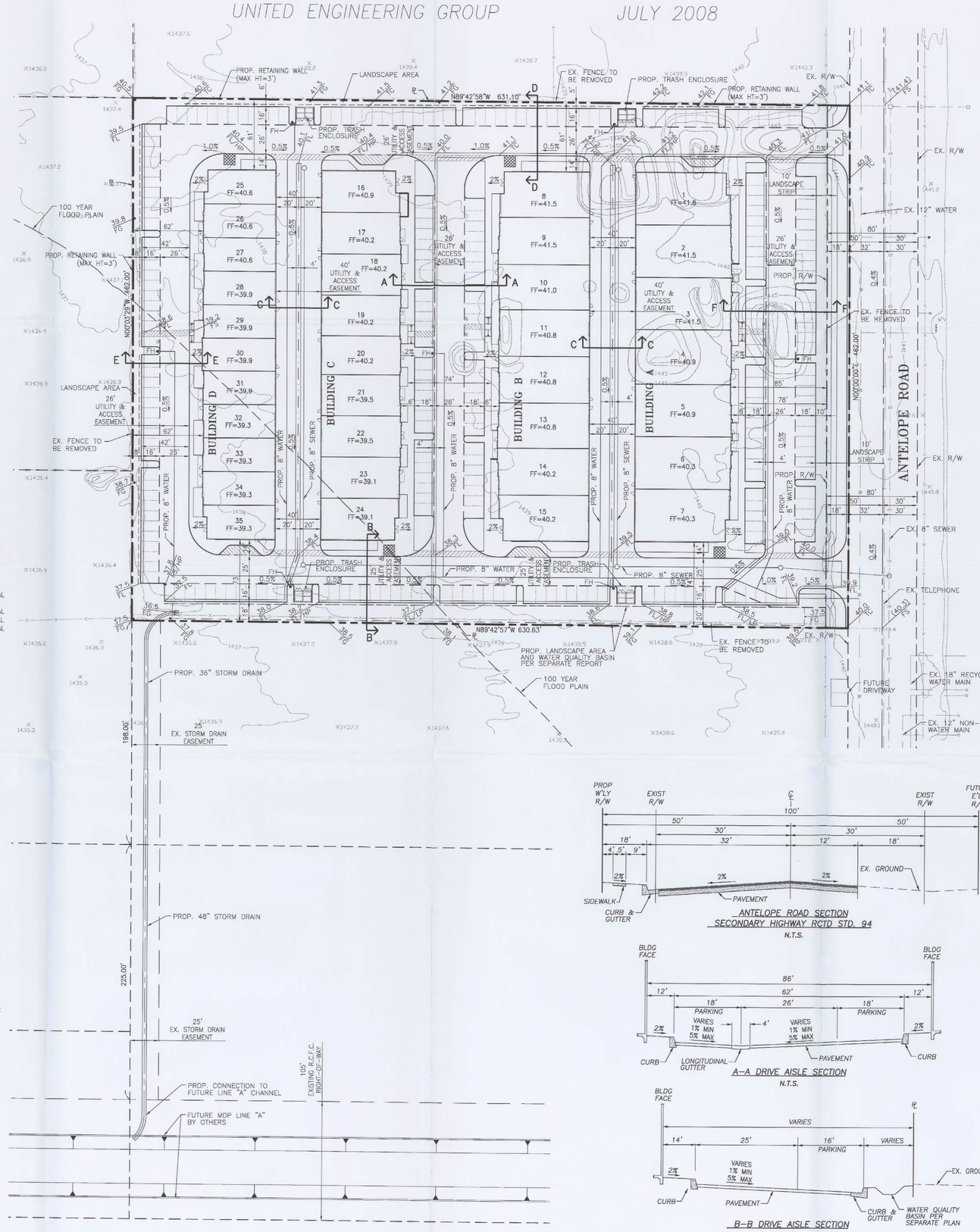
PARCEL NO. 331-150-037 IS A SCHEDULE "A" SUBDIVISION.
EXISTING ZONING.....SP 260 PA-2
EXISTING LAND USE.....VACANT
PROPOSED LAND USE.....INDUSTRIAL PARK

ADJACENT PROPERTIES ZONING / LANDUSE:
NORTH.....SP 260 PA-2 / HEAVY INDUSTRIAL
SOUTH.....RR / VACANT
EAST.....SP 260 PA-3 / HEAVY INDUSTRIAL
WEST.....SP 260 PA-2 / HEAVY INDUSTRIAL
WEST.....SP 260 PA-2 / HEAVY INDUSTRIAL

LEGEND

EX.	EXISTING
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FS	FINISH SURFACE
HP	HIGH POINT
LP	LOW POINT
PROP.	PROPOSED
RW	RETAINING WALL
R/W	RIGHT-OF-WAY
S.D.	STORM DRAIN
TC	TOP OF CURB
TYP.	TYPICAL
(XX.XX)	EXISTING ELEVATION
1	BUILDING NUMBER
FF=40.6	FINISHED FLOOR ELEVATION
	FIRE HYDRANT
	PROPOSED CATCH BASIN
	2:1 SLOPE
	EXISTING PROPERTY LINE
	TRACT BOUNDARY
	EASEMENT LINE
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	PROPOSED STORM DRAIN LINE
	PROPOSED CONCRETE RIBBON GUTTER
	PROPOSED ADA PATH OF TRAVEL
	PROPOSED LOADING AREAS
	PROPOSED BREAK AREAS

40' 20' 0' 40' 80'
SCALE: 1" = 40'



OWNER/APPLICANT

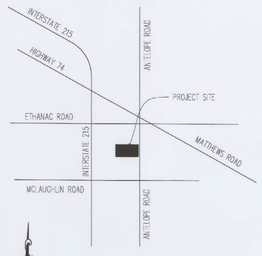
MOTTE TOWN CENTER 1, LLC
445 S. D. STREET
PERRIS, CA 92570
951-657-4281

ENGINEER

UNITED ENGINEERING GROUP
2990 INLAND EMPIRE BLVD SUITE 111
ONTARIO, CA 91764
909-466-9240

LEGAL DESCRIPTION

LOT 124 AND THE NORTH 132 FEET OF LOT 123 OF TRUMBLE FARMS, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 11 PAGE 38 OF MAPS, RECORDS OF RIVERSIDE COUNTY



VICINITY MAP
T5S, R3W, SECTION 15
N.T.S.

UTILITY PURVEYORS:

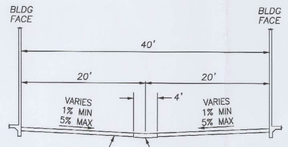
SEWER:	EASTERN MUNICIPAL WATER DISTRICT 2270 TRUMBLE ROAD, P.O. BOX 8300 PERRIS, CA 92572-8300 (909) 928-3777 EXT. 4402
WATER:	EASTERN MUNICIPAL WATER DISTRICT 2270 TRUMBLE ROAD, P.O. BOX 8300 PERRIS, CA 92572-8300 (909) 928-3777 EXT. 4402
ELECTRIC:	SOUTHER CALIFORNIA EDISON 8100 MENIFEE ROAD ROMOLAND, CA 92585 (909) 928-8290
GAS:	SOUTHER CALIFORNIA GAS COMPANY P.O. BOX 3003, 1981 W. LUGONIA REDLANDS, CA 92374 (800) 228-7377
TELEPHONE:	VERIZON 150 S. JUANITA STREET HEMET, CA 92543 (909) 9256253
CABLE SERVICE:	ADELPHIA 26459 INEZ ROAD, SUITE C TEMECULA, CA 92592 (909) 975-3316
SCHOOL DISTRICT:	PERRIS UNIFIED HIGH SCHOOL ROMOLAND ELEMENTARY SCHOOL

EARTHWORK QUANTITY

RAW CUT = 1,000 CY
RAW FILL = 10,000 CY.

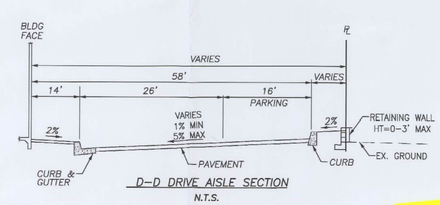
AREA TABLE:

BUILDING NO.	BUILDING S.F.	UNIT NO.	UNIT S.F.
A	27,663	1	3,825
		2	3,970
		3	3,970
		4	4,133
		5	3,970
		6	3,970
		7	3,825
B	26,028	8	3,114
		9	3,330
		10	3,330
		11	3,330
		12	3,330
		13	3,330
		14	3,330
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C	22,747	16	2,465
		17	2,550
		18	2,550
		19	2,550
		20	2,517
		21	2,550
		22	2,550
		23	2,550
		24	2,465
D	20,946	25	1,845
		26	1,920
		27	1,920
		28	1,920
		29	1,920
		30	1,896
		31	1,920
		32	1,920
		33	1,920
		34	1,920
		35	1,845



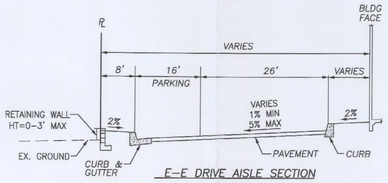
C-C TYPICAL ALLEY SECTION
N.T.S.

ANTELOPE ROAD SECTION
SECONDARY HIGHWAY RCTD STD. 94
N.T.S.



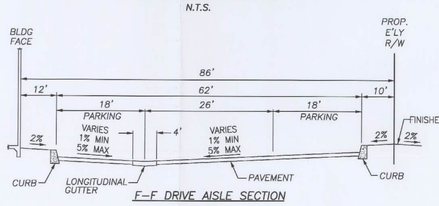
D-D DRIVE AISLE SECTION
N.T.S.

A-A DRIVE AISLE SECTION
N.T.S.



E-E DRIVE AISLE SECTION
N.T.S.

B-B DRIVE AISLE SECTION
N.T.S.



F-F DRIVE AISLE SECTION
N.T.S.

EXHIBIT: A
CASE #: PP23180 AMD. #1
DATE: 7/29/08
PLANNER: R.BRADY..

2990 Inland Empire Blvd.
Suite 111
Ontario, CA 91764
Phone: 909.466.9240
Fax: 909.466.9253
www.unitedeng.com
united engineering group

NO.	REVISIONS DESCRIPTION	DATE
1.	AMENDED NO. 1 PER COMMENTS	6/30/08

PLOT PLAN NO. 23180
FOR PARCEL MAP 35846
COUNTY OF RIVERSIDE

SUBMITTALS:

DESIGNED BY:	GJG
DRAWN BY:	GJG
CHECKED BY:	DP

REGISTERED PROFESSIONAL ENGINEER
IAN M. FOLZ
NO. C66602
EXP. 06/30/10
CIVIL
STATE OF CALIFORNIA

1
SHEET 1 OF 1

PROJECT NUMBER
CA - 20002

GE0021O1

GEO 02238

- [x] LMS FOLDER COVER LETTER
- [x] APPLICATION
- [x] APPROVAL LETTER
- [x] TECHNICAL REPORT(S)
- [x] RESPONSE TO COMMENTS
- [x] COUNTY COMMENTS LETTER(S)
- [x] N/A MISCELLEANOUS
- [x] N/A ENTITLEMENT MAPS / EXHIBITS

- [ ] IN FILE

GEO 02238

LMS FOLDER COVER LETTER

NUMBER OF PAGES: 1

(Bill to 2917601)

****
*Case No: GEO02238 *
****

Applied: 01/18/2011

Proposal: GEOLOGIC REVIEW FOR PP 2011-003 (CITY OF MENIFEE)
Appl Type: GEO3 GEOLOGIC REPORT APPROVAL
Location: N/ETHANAC S/MCLAUGH RD E/MATTHEWS RD W/DAWSON RD
Project size: 5.01 F/A: ACRES
Min lot size: F/A:
Lots/units:

Assessor Parcel No: 331150044
Section: Twnshp/Range: T5SR3W
Supervisor District:
Census Tract:
Team:

Zoning:
Zoning Area/Dist:
Developer Agreement:

Open Space & Cons Elem:
Community Plan:
Category/Designation:

EA:
Concurrent Cases:
Related Cases:

ENG-REP	MEYER HAROLD 35286 E 10TH DRIVE WATKINS CO 80137	01/25/2011	Phone: 951 830 2661
OWNER	TRUMBLE PROPERTIES LLC 61 ARGONAUT ALISO VIEJO CA 92656	01/25/2011	Phone: 949 380 8363
PLANNER	JONES DAVID	01/25/2011	
APPLICANT	TRUMBLE PROPERTIES LLC 61 ARGONAUT ALISO VIEJO CA 92656	01/25/2011	Phone: 949 380 8363

MICHAEL TRUMBLE

GEO 02238

APPLICATION

NUMBER OF PAGES: 6

CITY OF MENIFEE

Planning Department

Carmen Cave · Community Development Director

DATE: **January 18, 2011**

RE: **City of Menifee Planning Application Plot Plan 2011-003 "Trumble Office and Warehouse Project"**

Larry Ross for 951-955-3585
David Jones, County Geologist
Riverside County Planning Department
4080 Lemon Avenue, 12th floor
Riverside, California 92502

CC: Carmen Cave, Community Development Director

FROM: Lisa Gordon, Senior Planner

Attached please find a City of Menifee planning application and GEO reports for Plot Plan No. 2011-003.

Project Description: Plot Plan No. 2011-003 proposes offices, warehouse and equipment storage within a 5 acre site. The project proposes two buildings. The first building is 21,600 sq. ft. and contains seven (7) office units, one (1) caretaker's unit and area for warehouse and storage. The second building is 40,000 sq. ft. and is proposed to be used for warehouses or storage of material. No hazardous material is proposed to be stored or kept on the site. Equipment parking is proposed in the rear of the site. 101 parking spaces, including four (4) for persons with disabilities have been provided.

The project is located south of Ethanac Road, west of Antelope Road and east of Dawson Road. APN: 331-150-044.

The site was previously used for equipment storage (see Temporary Use Permit No. 174 approved by the County of Riverside January 10, 2000).

The application was initiated with the City and this is our first routing of a project to County departments. Please provide me with your determination of completeness (review and comments) of the application by **February 10, 2011.**

Lisa Gordon
City of Menifee
29714 Haun Road
Menifee, California 92586

951-672-6777
951-679-3843 fax
lgordon@cityofmenifee.us

For Official Use Only	
Project Number:	
Date Received:	
Received By:	
Case Planner:	

CITY OF MENIFEE
Community Development Department

GEO02238

APPLICATION FOR LAND USE AND DEVELOPMENT

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED.

APPLICANT INFORMATION

Applicant's Name: Trumble Properties, LLC E-Mail: MTRumble@kennedypipeline.com

Mailing Address: 61 Argonaut (Street)

Aliso Viejo (City) CA (State) 92656 (ZIP)

Daytime Phone No: (949) 380-8363 Fax No: (949) 380-0172

Representative's Name: HAROLD D. MEYERS E-Mail: hdmeyers@q.com

Mailing Address: 35286 East 10th Drive (Street)

Watkins (City) CO (State) 80137 (ZIP)

Daytime Phone No: (951) 830-2661 Fax No: (303) 363-8946

Property Owner's Name: _____ E-Mail: _____

Mailing Address: SAME AS APPLICANT INFORMATION (Street)

_____ (City) _____ (State) _____ (ZIP)

Daytime Phone No: (___) _____ Fax No: (___) _____

RECEIVED
JAN 18 2011
ADMINISTRATION
RIVERSIDE COUNTY
PLANNING DEPARTMENT

29714 Haun Road
Menifee, California 92586
(951) 672-6777 · Fax (951) 679-3843

PROPERTY INFORMATION:

Assessor's Parcel Number(s): 331-150-044

Section: 15 Township: 5 South Range: 3 West

Approximate Gross Acreage: 5.01

General location (nearby or cross streets): North Ethanac
South McLaughlin ROAD
East MATHEWS ROAD
West DAWSON ROAD

PROJECT DESCRIPTION

Please describe the proposed project:
Industrial - Caretaker Unit, Seven (7) Showroom Offices with Eight (8) Warehouses, One (1) 40,000 SF General Storage Bldg and Construction Equipment Outdoor Storage

Related cases filed in conjunction with this request:

NONE

Is there a previous development application filed on the same site: Yes ☐ No ☑

If yes, provide all known case numbers.

Have any special studies or reports, such as a traffic study, biological report, archaeological report, geological or geotechnical reports, been prepared for the subject property? Yes ☑ No ☐

If yes, indicate the type of report and provide copies of all reports: Preliminary Soils & Perk Test for Drainage System

Is water service available at the project site: Yes ☑ No ☐

If "No," how far must the water line(s) be extended to provide service? (No. of feet/miles)

Is sewer service available at the site? Yes ☐ No ☑

If "No," how far must the sewer line(s) be extended to provide service? (No. of feet/miles) 10 feet

Will the proposal result in cut or fill slopes steeper than 2:1 or higher than 10 feet? Yes ☐ No ☑

How much grading is proposed for the project site?

Estimated amount of cut = cubic yards: 476

Estimated amount of fill = cubic yards 8967

Does the project need to import or export dirt? Yes ☒ No ☐

Import 8491 C.Y Export N/A Neither N/A

What is the anticipated source/destination of the import/export?
Clinton Keith ROAD @ I-215

What is the anticipated route of travel for transport of the soil material?
Clinton Keith Road to I-215 to Ethanac to Antelope to Site 11.5 miles

How many anticipated truckloads? 653 truck loads.

What is the square footage of usable pad area? (area excluding all slopes) 83,600 sq. ft.

Is the development proposal located within 8½ miles of March Air Reserve Base? Yes ☐ No ☑

If yes, will any structure exceed fifty-feet (50') in height (above ground level)? Yes ☐ No ☐

Does the development project area exceed more than one acre in area? Yes ☑ No ☐

If yes, in which one of the following watersheds is it located (refer to Riverside County GIS for watershed location)?

Check answer: ☐ Santa Margarita River ☑ San Jacinto River

If the property is owned by more than one person, attach a separate page that reference the application case number and lists the names, mailing addresses, and phone numbers of all persons having an interest in the real property or properties involved in this application.

The Planning Department will primarily direct communications regarding this application to the person identified above as the Applicant. The Applicant may be the property owner, representative, or other assigned agent.

AUTHORITY FOR THIS APPLICATION IS HEREBY GIVEN:

I certify that I am/we are the record owner(s) or authorized agent and that the information filed is true and correct to the best of my knowledge. An authorized agent must submit a letter from the owner(s) indicating authority to sign the application on the owner's behalf.

All signatures must be originals. Photocopies or e-signatures are **not** acceptable.

Trumble Properties LLC	SEE ATTACHED LETTER
PRINTED NAME OF PROPERTY OWNER(S)	*SIGNATURE OF PROPERTY OWNER(S)*
HAROLD D. MEYERS Agent	RDMeyers Agent
PRINTED NAME OF PROPERTY OWNER(S)	*SIGNATURE OF PROPERTY OWNER(S)*

If the property is owned by more than one person, attach a separate sheet that references the application case number and lists the printed names and signatures of all persons having an interest in the property.

☐ See attached sheet(s) for other property owners' signatures.

Harold D. Meyers
35286 East 10th Drive
Watkins, CO 80137
303-341-7550
Cell 951-830-2661
FAX. #303-363-8946
hdmeyers@q.com

December 11th, 2010

To Whom It May Concern:

This letter is to authorize Harold D. Meyers to act as our Agent in making application for all plan submittals, permits, meetings with staff, obtaining plan check comments and submitting compliance to those comments. This is for the project known as Trumble's Office and Equipment Storage. Under the Ownership of Trumble Properties, LLC APN# 331-150-044.

Trumble Properties, LLC
a California limited liability company
By: Michael Trumble
Its: Member/Manager

Date 12-16-10

GEO 02238

APPROVAL LETTER

NUMBER OF PAGES: 4

RIVERSIDE COUNTY
PLANNING DEPARTMENT

Carolyn Syms Luna
Director

March 17, 2011

Pages 2 (including this cover)

City of Menifee
Fax: (951) 679-3843
Attention: Lisa Gordon

RE: Conditions of Approval
GEO02238
City of Menifee Case No. PP2011-003

County Geologic Report (GEO) No. 2238 submitted for this project (City of Menifee PP2011-003) was prepared by T.H.E. Soils Co., Inc. and is entitled "Preliminary Geotechnical Investigation, Proposed Trumble Road Office & Equipment Storage, APN No. 331-150-044, 5+/- Acres, Antelope Road, City of Menifee, Riverside County, California", dated December 16, 2010. In addition, T.H.E. Soils Co. prepared "Response to County of Riverside Planning Departments 'Review Comments' GEO02238, City of Menifee Case No. PP2011-003, Proposed Trumble Road Office & Equipment Storage, APN No. 331-150-044, 5+/- Acres, Antelope Road, City of Menifee, Riverside County, California", dated February 15, 2011. This document is herein incorporated as GEO02238.

GEO02238 concluded:

1. No active faults traces or fault features have been identified on the subject site.

2. Ground rupture during a seismic event is anticipated to be low.

3. The liquefaction potential is anticipated to be low.

4. Seismically induced settlement is expected to be low.

5. The potential for landsliding during a seismic event is considered low.

6. The potential for rockfall is anticipated to be low.

7. Seiches and tsunamis are not considered potential hazards of the site.

GEO02238 recommended:

1. The upper 1 to 3 feet of old alluvial fan deposits will require complete removal and recompaction or offsite disposal.

GEO02238 satisfies the requirement for a Geologic Study for Planning / CEQA purposes. GEO02238 is hereby accepted for Planning purposes. This approval is not intended, and should not be misconstrued as approval for grading permit. Engineering and other building code parameters will be reviewed and additional comments and/or conditions may be imposed by the Building and Safety Department upon application for grading and/or building permits.

Thank you for the opportunity to review this case for the City of Menifee. Please call me at (951) 955-6863 if you have any questions.

RIVERSIDE COUNTY PLANNING DEPARTMENT
Carolyn Syms Luna, Planning Director

David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

cc: Geologist: John Frey, T.H.E. Soils Co., Fax: (951) 894-2122
Larry Ross
File: GEO02238

B:\Geology\Menifee\GEO02238 COA PP2011-003.docx

RIVERSIDE COUNTY
PLANNING DEPARTMENT

Carolyn Syms Luna
Director

March 17, 2011

Pages 2 (including this cover)

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Riverside Office · 4080 Lemon Street, 12th Floor
P.O. Box 1409, Riverside, California 92502-1409
(951) 955-3200 · Fax (951) 955-3157

Desert Office · 38686 El Cerrito Road
Palm Desert, California 92211
(760) 863-8277 · Fax (760) 863-7555

CO OF RIVERSIDE EPD Fax:951-955-0090

** Transmit Conf. Report **

Mar 17 2011 14:21 P.1

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RIVERSIDE COUNTY
PLANNING DEPARTMENT

Carolyn Syms Luna
Director

March 17, 2011

Pages 2 (including this cover)

City of Menifee
Fax: (951) 679-3843
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Fax/Phone Number	Mode	Start	Time	Page	Result	Note
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8942122	NORMAL	17,14:15	0'00"	0	D.O.7	BROCAST

↓ Check condition of remote fax.

Mar 17 2011 14:08 P.1

** Transmit Cont. Report **

CO OF RIVERSIDE EPD Fax:951-955-0090

GEO 02238

TECHNICAL REPORT(S)

NUMBER OF PAGES: 61

T.H.E. Soils Co., Inc.

P.O. Box # 848, Wildomar, CA 92595
Phone: (951) 894-2121 FAX: (951) 894-2122
E-mail: thesoilsco@aol.com

December 16, 2010

Trumble Properties, LLC.
C/O Mr. Harold Meyers
35286 East 10TH Drive
Watkins, Colorado 80137

SUBJECT: **PRELIMINARY GEOTECHNICAL INVESTIGATION**
Proposed Trumble Office & Equipment Storage
APN No. 331-150-044, 5± Acres
Antelope Road
City of Menifee, Riverside County, California
Work Order No. 14571001.00

Dear Mr. Meyers:

In accordance with your request, we have performed a Preliminary Geotechnical Investigation for the proposed commercial/retail development located in the Romoland area of Riverside County, California. The purpose of our investigation was to evaluate the engineering parameters of the onsite soils, existing site conditions, and provide design parameters and recommendations for rough grading, rippability, pavement sections and foundation design. For our investigation, we were provided with a reduced 40-scale "Site Plan" for the subject site prepared by F. J. Spoor & Associates, Inc of Thornton, Colorado. The reduced 40-scale plan was utilized to locate our exploratory borings and as a base map for our "Geotechnical Map", **Plate 1**. Based on the results of our investigation, we anticipate that the proposed development is feasible from a geotechnical viewpoint provided the conclusions and recommendations presented below are implemented during site development.

1.0 INTRODUCTION

1.1 Proposed Development

It is our understanding that the subject site will be utilized for the construction of a 40,000-sq ft warehouse, 15 office units with associated parking, equipment parking, driveways, and landscaping. It is anticipated that construction will consist of slab-on-grade construction with conventional footings. Typical cut/fill grading techniques will be required to achieve design grade.

1.2 Site Description

The subject site consists of a rectangular-shaped 4.84-acre parcel of land located in the City of Menifee, Riverside County, California. The site is bordered on the north by a heavy equipment storage yard, on the west by an equipment storage yard, on the south by vacant land, and on the east by a power plant. The geographical relationships of the site and surrounding area are shown on our Site Location Map, **Figure 1.**

The subject site is currently vacant and undeveloped and reportedly at one time a part of the heavy equipment yard to the north. Topographically, the subject site is located in an area of relatively flat terrain with natural gradients less than 2% to the south-southwest. Drainage on the subject site is accomplished by sheetflow toward the southwest. At the time of our investigation, vegetation on the subject site generally consisted of a sparse, dry, low 1 to 2-ft high growth of annual weeds and grasses. Man-made improvements include perimeter fencing and a thin (<4-inches) of gravel across the site. Total relief of the site is approximately 6-ft. with a high elevation of approximately 1442-feet above mean sea level (msl) towards the northeast corner of the subject parcels and a low elevation of approximately 1436-feet (msl) towards the southwest corner of the subject site.

2.0 SITE INVESTIGATION

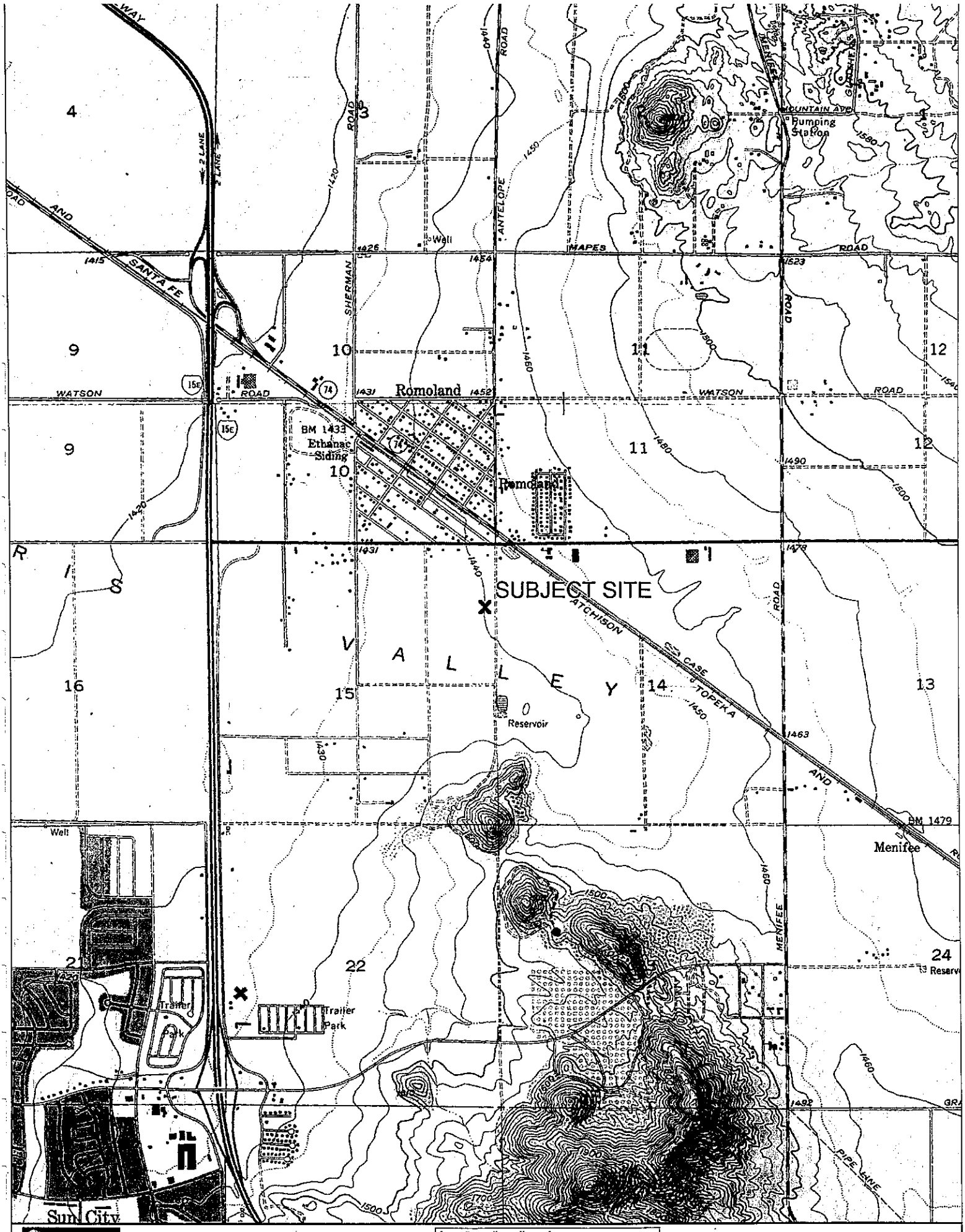
2.1 Background Research and Literature Review

Pertinent published and unpublished reports and geologic maps were reviewed for the purpose of preparing this report. A complete list of the publications and reports reviewed for this investigation are presented in **Appendix A.**

2.2 Field Investigation

Subsurface exploration, field reconnaissance, and mapping of the site were conducted on October 20, 2010. Five (5) exploratory borings were advanced utilizing a B-61 truck mounted drill rig equipped with 4-inch hollow stem augers. Exploratory boring B-1 was drilled to the maximum depth explored of 51.5-ft below the ground surface (bgs) on the southwest corner of the subject site.

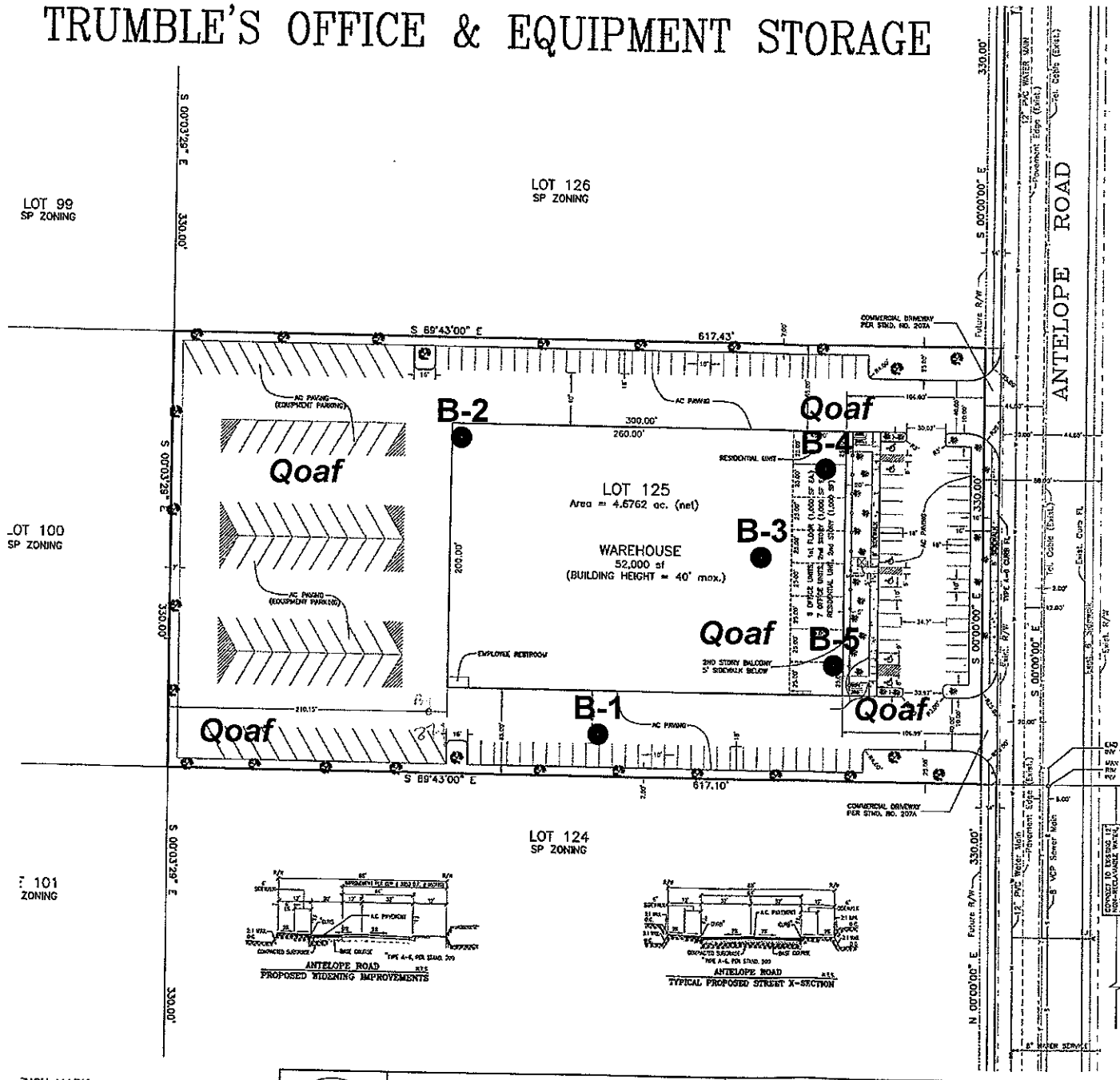
Information collected during our field mapping and approximate location of our exploratory borings is shown on our Geotechnical Map, **Plate 1.** Our field personnel, who prepared field logs and obtained bulk soil and in-situ soil samples for laboratory testing, supervised excavation of the exploratory borings. Copies of our exploratory boring logs are located in **Appendix B.**

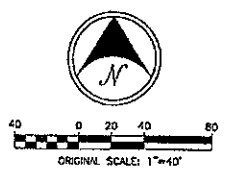


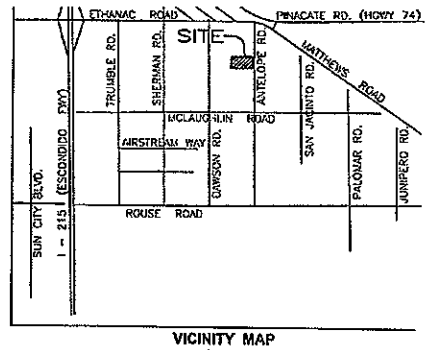
DeLORME
© 2002 DeLorme. 3-D TopoQuads ®. Data copyright of content owner.
www.delorme.com

FIGURE 1

TRUMBLE'S OFFICE & EQUIPMENT STORAGE







VICINITY MAP
(NTS)
THOMAS BROS. MAPS PG. 86, F4 (NTS)

LEGAL DESCRIPTION:

LOT 125 OF TRUMBLE FARMS, SECTION 15, TOWNSHIP 5 SOUTH, RANGE 3 WEST, RIVERSIDE COUNTY, STATE OF CALIFORNIA PER MAP RECORDED IN BOOK 11, PAGE 38 IN THE OFFICE OF THE COUNTY RECORDER OF SAID RIVERSIDE COUNTY.

SAID LOT 125 CONTAINS 5.01 ACRES (GROSS).

PROPERTY ADDRESS/APN:

xxxxx ANTELOPE ROAD
MENIFEE, CA 92585
APN: 331-150-044

REFERENCES:

1. MAP OF TRUMBLE FARMS, MAP BOOK 11, PAGE 38, MARCH 3, 1924. (SEE LEGAL DESCRIPTION ABOVE).

ZONING/LAND USE:

EXISTING ZONING IS SP. PROPOSED ZONING IS SAME. EXISTING LAND USE IS VACANT. PROPOSED LAND USE IS WAREHOUSE, OFFICE SPACE, LIVING UNITS, AND HEAVY EQUIPMENT STORAGE AND MAINTENANCE. THE EXISTING LAND USE DESIGNATION IS "SP PLANNING AREA 2 – INDUSTRIAL PARK" ZONING AREA IS ROMOLAND.

COUNTY SERVICE AREA:

LAKEVIEW/NUEVO/ROMOLAND/HOMELAND #146

SCHOOL DISTRICT:

ROMOLAND SCHOOL DISTRICT/PERRIS UNION HIGH SCHOOL DISTRICT

UTILITY SERVICE:

WATER – EASTERN MUNICIPAL WATER DISTRICT – (951) 928-3777
SEWER – EASTERN MUNICIPAL WATER DISTRICT
ELECTRIC – SOUTHERN CALIFORNIA EDISON – (951) 928-8323
GAS – SOUTHERN CALIFORNIA GAS
TELEPHONE – VERIZON
CABLE – TIME WARNER

AREA CALCS:

TOTAL PARCEL AREA (GROSS) – 5.01 Ac.
" " (NET) – 4.6762 Ac.
PARKING/PAVING ——— 1.2755 Ac./27.28%
PARKING SPACES REQUIRED — 88
(2 SPACES PER LIVING UNIT – 2)
(1 SPACE/250 SF OF OFFICE – 60)
(1 SPACE/2000 SF OF WAREHOUSE – 26)
PARKING SPACES PROVIDED — 88
SIDEWALK ——— 0.0482 Ac./1.03%
STORAGE YARD (AC PAVING) – 1.5064 Ac/32.21%
LANDSCAPING (PRIVATE) ——— 0.4687 Ac./10.02%
LANDSCAPING (PUBLIC) ——— 0.0311 Ac.
TOTAL LANDSCAPING = 0.4998 Ac.
BUILDING (60,000 SF) ——— 1.3774 Ac./29.46%
1ST FLOOR:
STORAGE = 52,000 SF
OFFICE = 8,000 SF
2ND FLOOR:
RESIDENTIAL = 1,000 SF (ONE LIVING UNIT)
OFFICE = 7,000 SF
SUMMARY:
RESIDENTIAL = 1,000 SF
OFFICE = 15,000 SF
STORAGE = 52,000 SF

GENERAL NOTES:

1. ALL PROPOSED DRAINAGE FACILITIES SHALL BE DESIGNED TO ACCOMMODATE 100 YEAR STORM FLOWS.
2. THIS PROPERTY IS NOT SUBJECT TO OVERFLOW, FLOOD HAZARD, NOR INUNDATION.
3. THIS PROJECT IS LOCATED WITHIN ZONE X AS SHOWN ON THE NFIP FIRM No. 06065C2060G.
4. THIS PROJECT IS LOCATED WITHIN THE SAN JACINTO VALLEY WATERSHED.
5. THIS PROPERTY IS NOT WITHIN ANY SPECIAL STUDIES ZONE, BUT MAY BE SUBJECT TO LOW LIQUEFACTION, AND SUSCEPTIBLE TO SUBSIDENCE PER RIVERSIDE COUNTY TLMA GIS.
6. THIS PROJECT IS LOCATED WITHIN SPECIFIC PLAN #260.

OWNER/APPLICANT:

TRUMBLE PROPERTIES, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY.
STUART OR MICHAEL TRUMBLE
61 ARGONAUT
ALISO VIEJO, CA 92656
Tel. (949) 380-8363
Fax (949) 380-0172

SHEET INDEX:

1. SITE PLAN
2. UTILITIES
3. XXXXXXXXXXX
4. XXXXXXXXXX
5. XXXXXXXXX

BENCH MARK:

CITY OF RIVERSIDE B.M. RCM 21-2 (1963)
A MON ROMOLAND AT INT. OF ETHANAC RD. & ANTELOPE RD. ELEV. 1442.041.

F. J. SPOOR & ASSOCIATES, INC.
Engineering/Land Development Consultants
8762 E. 148th Lane
(303) 659-9997

REVISIONS:

COUNTY OF RIVERSIDE

APPROVED BY:

COUNTY ENGINEER

SITE PLAN
LOT 125, MAP OF TRUMBLE FARMS
MB 11/38, SEC.15, T5S, R3W
RIVERSIDE COUNTY, CA

DESIGNER: F
DRAFTER: F
CHECKED: F

T.H.E. Soils Company, Inc.

GEOTECHNICAL MAP
PROPOSED TRUMBLE OFFICE & EQUIPMENT STORAGE
331-150-044; ANTELOPE ROAD
CITY OF MENIFEE, RIVERSIDE COUNTY, CALIFORNIA

WORK ORDER: 14571001.00 DATE: DEC - 2010 PLATE: 1 OF 1

NOT-TO-SCALE
CAD GENERATED DRAWING
DO NOT UPDATE MANUALLY

LEGEND

UNITS

Qoaf - OLD ALLUVIAL FAN DEPOSITS

SYMBOLS

B-5 ● - APPROXIMATE LOCATION OF EXPLORATORY BORINGS

2.3 Laboratory Testing Program

Representative bulk samples of soils encountered during our subsurface exploration were obtained for laboratory testing. Laboratory testing to determine the engineering parameters of representative soils included maximum density/optimum moisture content, moisture density (rings), remolded direct shear, sieve analysis including 200 washes, moisture content, expansion index, R-value, sand equivalent and corrosivity suite testing including soluble sulfate content, pH and chloride content.

Laboratory testing was conducted in accordance with ASTM, Caltrans, and Uniform Building Code (UBC) test specifications, where applicable. The results of our laboratory tests are presented in **Appendix C** of this report. Prime Testing, Inc. (Pti) laboratories of Murrieta, California performed the corrosivity suite and remolded direct shear testing. GeoSoils, Inc. of Oceanside, California performed the R-value testing.

3.0 SUBSURFACE CONDITIONS

Locally, the subject site is underlain at the ground surface by late to middle Pleistocene old alluvial fan deposits (Morton, 2003), which extended to the maximum depth explored of 51.5-ft bgs.

3.1 Old Alluvial Fan Deposits (Map Symbol – Qof)

The old alluvial fan deposits were encountered at the ground surface throughout the subject parcels and extended to the maximum depth explored of 51.5-ft. This unit generally consisted of silty Sand (Unified Soil Classification-SM) and sandy Silts (ML). The silty Sands can be described as yellow brown to orange brown, fine to medium grained, minor coarse and gravel size, medium dense to dense, moderately graded and micaceous in part. The silts can generally be described as dark brown to orange brown, sandy in part, slightly moist to moist, micaceous and medium dense to dense. A thin (<4-inches) layer of gravel has been placed across the subject site.

3.2 Groundwater

Groundwater was not encountered within our exploratory borings, which were advanced to a maximum depth of 51.5-ft bgs (B-1) on the southwest portion or lower elevations of the subject site. Regional groundwater is at least 100-ft bgs (Department of Water Resources, 1978 & 2010).

Fluctuations in the groundwater level, localized zones of perched water, and variations in soil moisture content should be anticipated during and following the rainy season.

Irrigation of agriculture and/or landscaped areas on and adjacent to the site can also cause a fluctuation in local groundwater levels and perched water conditions can develop. In addition, the depth to groundwater can fluctuate seasonally as a result of planned groundwater management.

3.3 Excavation Characteristics

We anticipate that the old alluvial fan deposits can be excavated to proposed depths with moderate ease to moderate difficulty utilizing conventional grading equipment (i.e. Caterpillar D-9 bulldozer or equivalent) in proper working condition.

4.0 SEISMICITY

4.1 Regional Seismicity

The site is located in a region of generally high seismicity, as is all of southern California. During its design life, the site is expected to experience strong ground motions from earthquakes on regional and/or local causative faults. The subject site is not located within a State of California Fault-Rupture Hazard Zone for active faulting (Hart, 2000) or a County of Riverside Fault Rupture Hazard Zone for active faulting (County of Riverside GIS website, 2010). No active fault traces or fault features have been identified on the subject site (Morton, 2003) or were observed during our aerial photograph review. The closest known major active fault is the San Jacinto fault zone (San Jacinto Valley segment) located approximately 17-kilometers to the northeast. Other faults include the Elsinore fault (Glen Ivy segment) and the San Andreas fault zone (southern section), both seismic Type A faults, located approximately 19 and 41-km to the southwest and northeast, respectively. The San Jacinto fault zone, a system of northwest-trending, right-lateral, strike-slip faults, is present across the San Jacinto Valley. More large historic earthquakes have occurred on the San Jacinto fault than any other fault in Southern California (Working Group on California Earthquake Probabilities, 1998)

The San Jacinto fault zone (San Jacinto Valley segment) is characterized as a right lateral strike slip fault with a total length of approximately 42 kilometers (California Geological Survey, 2007). The State of California has assigned the San Jacinto fault zone (San Jacinto Valley segment) a slip rate of 12 mm/yr. (+/- 6 mm/yr.) with a recurrence interval of 83 years (CDMG, 1996). This fault segment has been assigned a maximum moment magnitude of 6.9.

The San Andreas fault zone is located along the southwest margin of the San Bernardino Mountains, approximately 37.2-kilometers northeast of the site. The toe of the mountain front in the San Bernardino area roughly demarcates the presently active trace of the San

Andreas Fault, which is characterized by youthful fault scarps, vegetation lineaments, springs, and offset drainage.

The southern portion of the San Andreas fault zone is considered a "locked zone". "Locked Zone" portions of the San Andreas fault zone generally generate larger quakes when they break in comparison to sections of the San Andreas fault that "creep" releasing pressure by numerous small (microquakes) to moderate quakes generally with a magnitude of less than 5. The State of California has assigned the San Andreas Fault (San Bernardino segment) a slip rate of 24 mm/yr. (+/- 6 mm/yr.) with a recurrence interval of 433 years (CDMG, 1996). This fault segment has been assigned a maximum moment magnitude of 7.3.

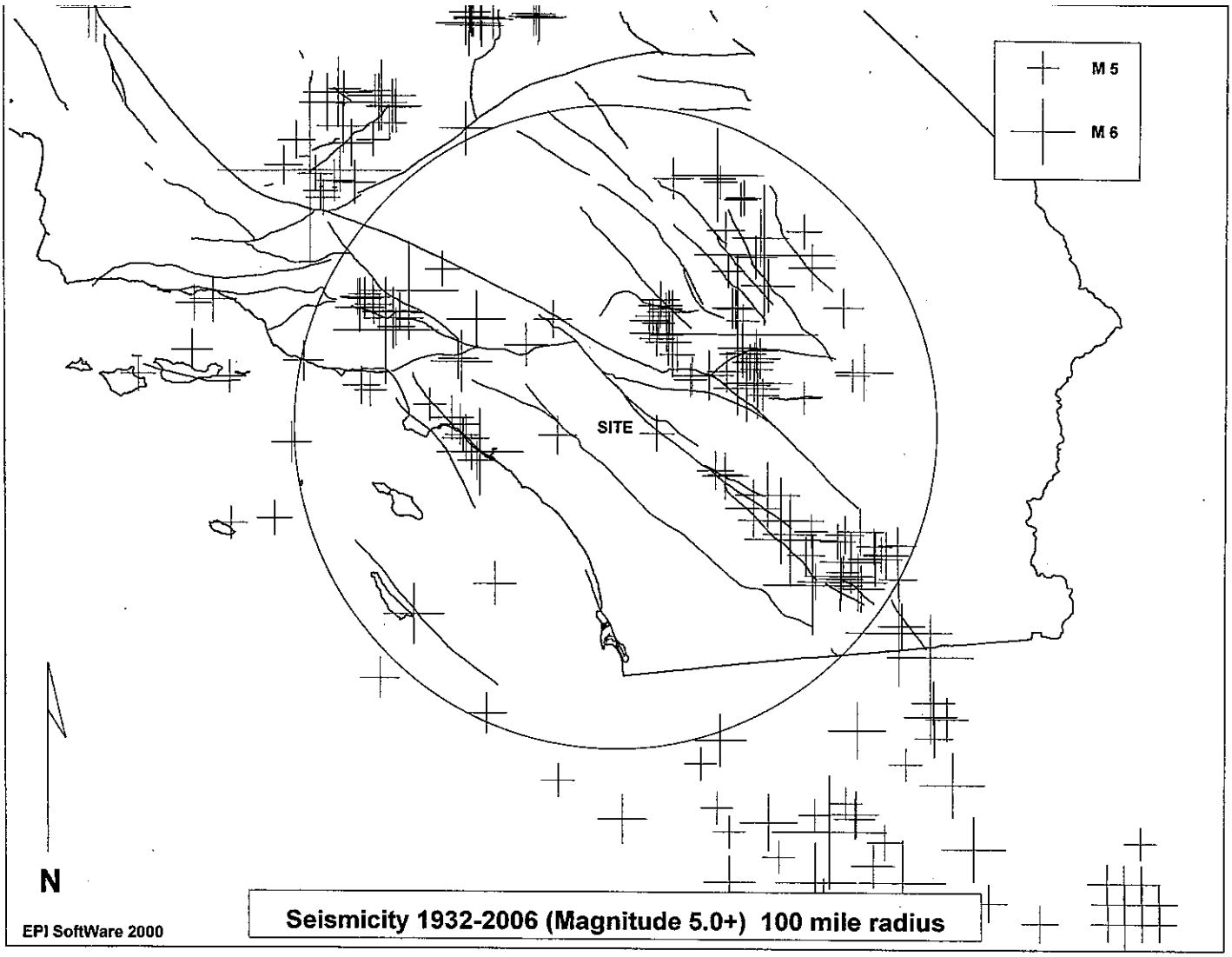
Historically, significant earthquakes causing strong ground shaking have occurred on local and regional faults near the site. To evaluate historical seismicity, we have utilized a computer software program titled EPI, which utilizes an earthquake database compiled by California Technical Institute to analyze earthquakes of various magnitude that have occurred within a specified radius about the site.

A total of 128 earthquakes of magnitude 5.0 or greater have occurred within 160.9-kilometers (100-miles) of the site since 1932. The closest earthquake recorded within the specified search area occurred on Monday, September 23, 1963, located approximately 22.5-kilometers (14-miles) to the east as a 5.1 magnitude earthquake. The largest earthquake recorded within the specified search area occurred on Sunday, June 28, 1992, located approximately 83.7-kilometers (52-miles) to the northeast as a 7.3 magnitude earthquake. A graphical representation of the historical seismicity is shown on **Figure 2**.

4.2 2007 CBC Seismic Factors specific to the subject site are as follows:

Moderate to severe seismic shaking of the site can be expected during the lifetime of the proposed improvements. Therefore, the proposed structure should be designed accordingly. Based on our subsurface investigation and anticipated earthwork for construction of the proposed project, the soils underlying the subject site are classified as Type S_D, "stiff soil profile", according to the 2007 CBC. The seismic design parameters according to 2007 CBC are summarized in the following table. The Design Acceleration Parameters were determined according to the procedure outlined in ASCE 7-05 21.4 and are included in the following table.

Mapped Spectral Acceleration Parameters: Ss = 1.500 and S_1 = 0.600.
Site Coefficients: F_a = 1.0 and F_v =1.5.
Adjusted Maximum Considered Earthquake (MCE) Spectral Response Parameters*: SM_s = 1.500 and SM_1 = 0.900.
Design Spectral Acceleration Parameters*: S_{DS} = 1.000 and S_{D1} = 0.600



SITE LOCATION: 33.7398 LAT. -117.1724 LONG.

MINIMUM LOCATION QUALITY: C

TOTAL # OF EVENTS ON PLOT: 260

TOTAL # OF EVENTS WITHIN SEARCH RADIUS: 128

MAGNITUDE DISTRIBUTION OF SEARCH RADIUS EVENTS:

5.0- 5.9 : 114
6.0- 6.9 : 12
7.0- 7.9 : 2
8.0- 8.9 : 0

CLOSEST EVENT: 5.1 ON MONDAY, SEPTEMBER 23, 1963 LOCATED APPROX. 14 MILES EAST OF THE SITE

LARGEST 5 EVENTS:

7.3 ON SUNDAY, JUNE 28, 1992 LOCATED APPROX. 52 MILES NORTHEAST OF THE SITE
7.1 ON SATURDAY, OCTOBER 16, 1999 LOCATED APPROX. 78 MILES NORTHEAST OF THE SITE
6.7 ON MONDAY, JANUARY 17, 1994 LOCATED APPROX. 84 MILES NORTHWEST OF THE SITE
6.6 ON TUESDAY, FEBRUARY 09, 1971 LOCATED APPROX. 84 MILES NORTHWEST OF THE SITE
6.6 ON WEDNESDAY, OCTOBER 21, 1942 LOCATED APPROX. 86 MILES SOUTHEAST OF THE SITE

0 50 100
MILES

FIGURE 2

The corresponding value of peak ground acceleration from the design acceleration spectrum according to the 2007 CBC is 0.405g.

4.3 Photo-Lineament Review

A photo-lineament review of the subject site and adjoining sites was performed during our geotechnical investigation. Topographically, the subject site is located in an area of relatively flat terrain. No geomorphic expressions suggestive of faulting, such as linear topography, offset streams, spring lines, and/or fault scarps, were noted within the subject site during our site investigation and aerial photograph review of the subject site. Several northwest and northeast trending linear features were noted but each one appeared to coincide with agricultural development.

5.0 SECONDARY SEISMIC HAZARDS

5.1 Liquefaction

Soil liquefaction is the loss of soil strength due to increased pore water pressures caused by a significant ground shaking (seismic) event. Liquefaction typically consists of the re-arrangement of the soil particles into a denser condition resulting, in this case, in localized areas of settlement, sand boils, and flow failures. Areas underlain by loose to medium dense cohesionless soils, where groundwater is within 30 to 40 feet of the surface, are particularly susceptible when subject to ground accelerations such as those due to earthquake motion. The liquefaction potential is generally considered greatest in saturated loose, poorly graded fine sands with a mean grain size (D_{50}) in the range of 0.075 to 0.2mm. Typically, liquefaction has a relatively low potential at depths greater than 45-ft and is virtually unknown below a depth of 60-ft.

Procedures outlined in two publications, 1) The Guidelines for Evaluation and Mitigation of Seismic Hazards in California, Special Publication 117: Department of Conservation, Division of Mines and Geology (1997); and 2) Recommendations for Implementation of DMG Special Publication 117: Guidelines of Analyzing and Mitigation, Liquefaction Hazards in California: Southern California Earthquake Center University of Southern California (1997), provide for a "screening study" in lieu of a complete liquefaction analysis. It is our opinion that, owing to the absence of shallow groundwater (+100-ft) and the medium dense to dense old alluvial fan deposits underlying the subject site, liquefaction and other shallow groundwater related hazards are not anticipated, and further analysis appears to be unwarranted at this time. Based on the above information, the liquefaction potential is anticipated to be low.

5.2 Ground Rupture

Ground rupture during a seismic event normally occurs along pre-existing faults. Owing to the absence of known faulting (Morton, 2003) within the boundaries of the subject site, ground rupture during a seismic event is anticipated to be low.

5.3 Seismically Induced Soil Settlement

Severe seismic shaking may cause dry sands to densify, resulting in settlement expressed at the ground surface. Seismic settlement in dry soils generally occurs in loose sands and silty sands, with cohesive and fine grained soils being less prone to significant settlement. Soil types susceptible to seismically induced dry sand settlement include sand (SP and SW), silty sand (SM), as well as sandy silt (ML), and silt (ML). Soils with clay content of more than 15 percent are not typically prone to seismic settlement.

The underlying native soils within the site are comprised predominantly of silty Sands and sandy Silts. Blow counts and density testing obtained from relatively undisturbed and in-place samples indicate that the soils encountered range from medium dense to dense. The loose to medium dense granular soils tend to densify and settle during vibration. The upper 1 to 3-ft of loose soils, underlying the proposed structures, will be overexcavated and recompacted to a minimum of 90 percent of the dry density as determined by ASTM D-1557. Based on the above, we anticipate seismically induced soil settlement to be low.

5.4 Landsliding

No geomorphic expression of landsliding or slope instability was noted during our site mapping or aerial photograph review. The subject parcels are located in an area of relatively flat terrain and a distance from any steep natural slopes. The potential for landsliding during a seismic event is considered low.

5.5 Rockfall Potential

The subject parcels are located in an area of relatively flat terrain underlain by old alluvial fan deposits that are free of large rock. The potential for rockfall is anticipated to be low.

5.6 Seiches and Tsunami

Considering the location of the site in relation to large bodies of water, seiches and tsunamis are not considered potential hazards of the site.

6.0 CONCLUSIONS

- The proposed development is feasible from a geotechnical standpoint provided the recommendations presented in the following sections are adhered to during site development.

- Locally, the subject parcels are underlain at the ground surface by late to middle Pleistocene old alluvial fan deposits (Morton, 2003), which extended to the maximum depth explored of 51.5-ft bgs.

- Groundwater was not encountered within our exploratory borings, which were advanced to a maximum depth of 51.5-ft bgs (B-1) on the southwest portion of the subject site. Regional groundwater is at least 100-ft bgs (Department of Water Resources, 1978 & 2010).

- Should any water wells be encountered during rough grading operations, they should be plugged and abandoned in accordance with current regulatory guidelines.

- We anticipate that the old alluvial fan deposits can be excavated to proposed depths with moderate ease to moderate difficulty utilizing conventional grading equipment (i.e. Caterpillar D-9 bulldozer or equivalent) in proper working condition.

- The subject site is not located within a State of California Fault-Rupture Hazard Zone (Hart, 2000) or in a County of Riverside Fault-Rupture Hazard Zone for active faulting (County of Riverside GIS website, 2010). No active fault traces or fault features have been identified on the subject site (Morton, 2003) or were observed during our aerial photograph review. The closest know major fault is the San Jacinto fault zone (San Jacinto Valley segment) located approximately 17-kilometers to the northeast.

- Owing to the absence of shallow groundwater (+100-ft) and the medium dense to dense old alluvial fan deposits underlying the subject site, liquefaction and other shallow groundwater related hazards are not anticipated. Based on the above information, the liquefaction potential is anticipated to be low.

- Ground rupture during a seismic event normally occurs along pre-existing faults. Owing to the absence of know faulting within the boundaries of the subject site (Morton, 2003), ground rupture is anticipated to be low.

- The potential for seismically induced settlement, rockfall, landsliding, seiches, and tsunamis during a local seismic event is considered low.

- The Mapped Spectral Acceleration Parameters for the subject site are Ss = 1.500 and S_1 = 0.600 and the site coefficients are F_a = 1.0 and F_v = 1.5 (2007 CBC). The Adjusted Maximum Considered Earthquake (MCE) Spectral Response Parameters for the subject site are SM_s = 1.500 and SM_1 = 0.900 and the Design Spectral Acceleration Parameters are S_{DS} = 1.000 and S_{D1} = 0.600 (ASCE 7-05 Section 21.4). The corresponding value of peak ground acceleration from the design acceleration spectrum according to the 2007 CBC is 0.405g.

7.0 RECOMMENDATIONS

7.1 General Earthwork

Recommendations for site development and design are presented in the following sections of this report. The recommendations presented herein are preliminary and should be confirmed during construction.

Prior to the commencement of site development, the site should be cleared of any vegetation, existing asphalt driveways, concrete walkways, concrete foundations, water lines, electric lines, etc., which should be hauled off-site. The client, prior to any site preparation, should arrange and attend a meeting among the grading contractor, the design engineer, the soils engineer and/or geologist, a representative of the appropriate governing authorities, as well as any other concerned parties. All parties should be given at least 48 hours notice. Earthwork should be conducted in accordance with the recommendations specified in this report.

7.2 Preparation of Existing Ground

The upper 1 to 3-ft of old alluvial fan deposits are considered loose and potentially compressible in their existing state, and will require complete removal and recompaction or offsite disposal within the pad areas. Removals should extend until medium dense alluvial soils are encountered with a minimum in-place density of 85 percent of the dry density as determined by ASTM D1557 test method. The exposed alluvial soils should be free of pinpoint pores and roots. Depths of removals within the pad areas should extend a minimum of 3-ft bgs or 2-ft below the bottom of the deepest footing, whichever is deeper. Removals should extend a minimum of 5-ft outside the building footprint or to a depth equal to the removal depth, whichever is greater. Depths of removals within the proposed driveways and parking areas should extend a minimum of 2-ft bgs. The project soils engineer and/or geologist should verify the competence of the exposed alluvial bottoms in the field.

Prior to placement of fill materials, the exposed old alluvial fan deposits should be scarified a minimum of 12-inches bgs, moisture conditioned to near optimum moisture content, and recompacted to a minimum of 90-percent of the maximum dry density (as determined by ASTM D-1557).

7.3 Fill Placement

Onsite old alluvial fan deposits are anticipated to be suitable for use as structural fill provided they are free of large rock and organic debris. Any deleterious materials should be removed from the old alluvial soils prior to their utilization as fill materials. A qualified soil engineer should test import materials to determine their feasibility for use as structural fill.

Approved fill material should be placed in 6 to 8-inch lifts, brought to at least optimum moisture content, and compacted to a minimum of 90% of the maximum laboratory dry density, as determined by the ASTM D 1557 test method. No rocks or concrete larger than 6 inches in diameter should be used as fill material. Rocks larger than 6 inches should either be hauled off-site or crushed and used as fill material. No asphalt should be used as fill material and should be hauled off-site.

7.4 Slope Stability & Construction

We anticipate that cut and fill slopes constructed at a 2:1 (horizontal:vertical) slope ratio to a maximum vertical height of 30-ft will be surficially and grossly stable if constructed in accordance with the recommendations presented in this report and in **Appendix D** of this report. Owing to the relatively flat nature of the subject site, no fill and/or cut slopes over 3-ft in vertical height are anticipated for the subject site.

The importance of proper fill compaction to the face of slope cannot be overemphasized. In order to achieve proper compaction to the slope face, one or more of the four following methods should be employed by the contractor following implementation of typical slope construction guidelines; 1) track walk the slopes at grade, 2) grid roll the slopes, 3) use a combination of sheepsfoot roller and track walking, and/or 4) overfill the slope 3 to 5-ft laterally and cut it back to grade.

Care should be taken to avoid spillage of loose materials down the face of any slope during grading. Loose fill on the face of the slope will require complete removal prior to compaction, shaping and trackwalking.

Proper seeding and planting of the slopes should follow as soon as practical to inhibit erosion and deterioration of the slope surfaces. Proper moisture control will enhance the long-term stability of the finish slope surface.

7.5 Expansion Index Testing

Expansion index testing was performed on representative onsite soil samples collected during our investigation. The results, which are listed in **Appendix C**, indicate that the expansion index for the onsite soils were 2 and 3, which indicates that the onsite soils are **NON EXPANSIVE** (expansion index $\leq$20 - 2007 CBC, Section 1802.3.2). Expansion testing should also be performed on imported soils prior to their approval as structural fill material and on the pad surfaces at the completion of rough grading operations.

7.6 Soluble Sulfate Content

Based on our previous soluble sulfate content testing, it is anticipated that, from a corrosivity standpoint, Type II Portland Cement can be used for construction. Laboratory analysis results indicated percentage by weight of soluble sulfate was reported as ND (No Detection), which equates to a **NEGLIGIBLE** sulfate exposure per American Concrete Institute (ACI), 318, Table 4.3.1 (2005). Soluble sulfate content testing should be conducted within the building pads at the completion of grading. Prime Testing, Inc. (PTi) of Murrieta, California performed the laboratory analysis.

7.7 Corrosion Suite Testing

Corrosivity test results, which are summarized in **Appendix C,** indicated a saturated resistivity of 3,900 ohms/cm for the onsite near surface soils, which indicates the onsite soils are moderately to severely corrosive (NACE International, 1984). Results for pH and Chlorides are included in **Appendix C**. T.H.E. Soils Company, Inc. does not practice corrosion engineering. If specific information or evaluation relating to the corrosivity of the onsite or any import soil is required, we recommend that a competent corrosion engineer be retained to interpret or provide additional corrosion analysis and mitigation. Prime Testing, Inc. (PTi) of Murrieta, California performed the laboratory analysis.

7.8 Earthwork Factors

Shrinkage results when a volume of material removed at one density is compacted to a higher density. A shrinkage factor of 15 percent for the upper 3-ft of old alluvial soils should be anticipated when excavating and compacting the onsite old alluvial soils to an average relative compaction of 92 percent.

An increase in relative compaction, or deeper removals, could correspond to an increase in shrinkage values. Subsidence, as a result of ground preparation, may also be anticipated on the order of 0.15 feet, occurring mostly during site construction.

7.9 Lateral Load Resistance

The following parameters should be considered for lateral loads against permanent structures founded on fill materials compacted to 90 percent of the maximum dry density. Soil engineering parameters for imported soil may vary.

Equivalent Fluid Pressure for Level Backfill
Active: 35 pcf
Passive: 370 pcf
Coefficient of friction (concrete on soil): 0.37

If passive earth pressure and friction are combined to provide required resistance to lateral forces, the value of the passive pressure should be reduced to two thirds of the above recommendations. These values may be increased by one third when considering short-term loads such as wind or seismic forces.

7.10 Allowable Safe Bearing Capacity

An allowable safe bearing capacity of 2,300 pounds per square foot (psf) may be used for design of continuous footings that maintain a minimum width of 12-inches and a minimum depth of at least 12-inches below the lowest adjacent grade. The bearing value may be increased by 10% for each additional foot of depth and/or width to a maximum of 3,200 psf. The bearing value may be increased by one-third for seismic or other temporary loads.

Total settlements under static loads of footings supported on properly compacted fill materials and sized for the allowable bearing pressures are not expected to exceed 1 inch. Differential settlements between footings designed for the maximum recommended bearing value are expected to be less than one-half of the total settlement. These settlements are expected to occur primarily during construction. Soil engineering parameters for imported soil may vary.

7.11 Foundation System Design

Foundation elements should be placed entirely in engineered fill compacted to a minimum of 90 percent of the maximum dry density. For one-story or equivalent structures, continuous spread footings should be a minimum of 12-inches wide and 18-inches below the lowest adjacent grade. For two-story or equivalent structures, continuous spread

footings should be a minimum of 15-inches wide and 24-inches below the lowest adjacent grade. As a minimum, all footings should have one No. 4 reinforcing bar placed at the top and bottom of the footing. T.H.E. Soils Company, Inc. should perform a footing inspection, prior to placement of reinforcement, to insure the proposed footing excavations are in conformance with the job specifications.

The slab area and footing excavations should be pre-moistened prior to placement of concrete. Concrete slabs, in moisture sensitive areas, should be underlain with a vapor barrier consisting of a minimum of 10.0-mil polyvinyl chloride membrane with all laps sealed. A 2-inch layer of clean sand should be placed above the moisture barrier. The 2-inches of clean sand are recommended to protect the visqueen moisture barrier and aid in the curing of the concrete.

The structural engineer should design footings in accordance with the anticipated loads, the soil parameters presented in this preliminary soils report and the existing soil conditions.

7.12 Cut/Fill Transitions

It is anticipated that any cut-to-fill transitions will be eliminated from any proposed building pads owing to the recommended overexcavation and recompaction of all structures (see **Section 7.2**).

7.13 Preliminary Structural Section

We recommend the following preliminary structural section for proposed parking and driveway areas for the subject site. The tentative design of the pavement sections for the proposed parking and driveways is based on an R-value test of 14. R-value testing should be conducted at the completion of rough grading to verify soils exposed at subgrade, and a final structural section should be recommended at that time. The Traffic Index (TI) for Antelope Road is an assumed value of 8.0 (Industrial Collector Street – Riverside County Standard No. 114). The TI for Antelope Road should be verified by the project civil engineer. The recommended preliminary pavement sections are:

AREA	TI	PAVEMENT SECTION
Parking Lot	5.5	0.25' (3.0") AC over 0.84' (10.0") ABII
Driveway (light traffic)	5.5	0.25' (3.0") AC over 0.84' (10.0") ABII
Driveway (heavy traffic)	8.0	0.38' (4.6") AC over 1.3' (15.6") ABII
Antelope Road	8.0	0.38' (4.6") AC over 1.3' (15.6") ABII

It is recommended that the subgrade materials be compacted to a depth of 1 foot below subgrade elevation and that both the subgrade materials and the ABII be compacted to 95% relative to the maximum density of the respective materials, as determined by ASTM D1557 laboratory tests. R-Value testing should be conducted on imported soils prior to their approval as structural fill material

7.14 Oversize Rock

No oversize rock is anticipated as the subject site is underlain by old alluvial fan deposits that are free of large rock. If any oversize material is to be generated during grading operations, it should be disposed of off-site, utilized in landscaping, or placed in an approved rock fill in accordance with **Appendix D** of this report.

7.15 Utility Trench Backfill

Utility trench backfill should be compacted to a minimum of 90 percent of the maximum dry density determined in laboratory testing by the ASTM D 1557 test method. It is our opinion that utility trench backfill consisting of onsite or approved sandy soils can best be placed by mechanical compaction to a minimum of 90 percent of the maximum dry density. The upper 1-ft of the trench backfill located within parking and driveway areas should be compacted to a minimum of 95 percent of the maximum dry density. All trench excavations should be conducted in accordance with Cal-OSHA standards as a minimum.

The soils encountered within our exploratory trenches are generally classified as Type "C" soil in accordance with the CAL/OSHA (California, State of 2007) excavation standards. Unless specifically evaluated by the project engineering geologist, all temporary excavations should be performed in accordance with CAL/OSHA (California, State of, 2007) excavation standards for Type "C" soil. Based upon a soil classification of Type "C", the temporary excavations should not be inclined steeper than 1.5:1 (horizontal:vertical) for a maximum depth of 20-ft. For temporary excavations deeper than 20-ft or for conditions that differ from those described for Type "C" in the CAL/OSHA excavation standards, the project geotechnical engineer should be contacted.

7.16 Surface Drainage

Proper surface drainage is critical to the future performance of the project. Infiltration of irrigation excess and storm runoff into the supporting 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 in the original designed engineering properties. Proper drainage should be maintained at all times.

All site drainage should be collected and transferred to the street in non-erosive drainage devices. Drainages should not be allowed to pond anywhere on the site, and especially not against any foundation or retaining wall. Landscape irrigation situated within 5-ft of the building perimeter should be enclosed in protected planters and drained away from structures.

Positive site drainage should be provided away from structures, pavement, and the tips of slopes to swales or other controlled drainage structures. Any building pad and pavement areas should be fine graded such that water is not allowed to pond.

7.17 Foundation Plan Review

T.H.E. Soils Company, Inc. should review the final foundation plans, when available, to verify conformance with the intentions of these recommendations.

7.19 Construction Monitoring

Continuous observation and testing under the direction of qualified soils engineers and/or engineering geologists is essential to verify compliance with the recommendations of this report and to confirm that the geotechnical conditions found are consistent with this investigation. Construction monitoring should be conducted by a qualified engineering geologist/soil engineer at the following stages of construction:

- During rough grading operations including alluvial removals.
- During rough grading operations including keyway and overexcavation inspections.
- During placement of any fill.
- Following excavation of footings for foundations.
- During utility trench backfill operations.
- When any unusual conditions are encountered during grading.

8.0 LIMITATIONS

Our investigation was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable Geotechnical Engineers and Geologists practicing in this or similar localities. No other warranty, expressed or implied, is made as to the conclusions and professional advice included in this report. The samples taken and used for testing and the observations made are believed representative of the entire project; however, soil and geologic conditions can vary significantly between test locations.

The findings of this report are valid as of the present date. However, changes in the conditions of a

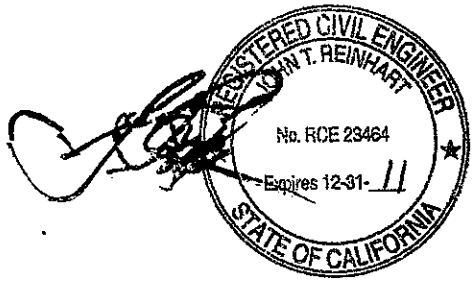
property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge.

Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and revision as changed conditions are identified.

This opportunity to be of service is sincerely appreciated. If you have any questions, please call.

Very truly yours,

T.H.E. Soils Company, Inc.



John P. Frey
Project Geologist

John T. Reinhart, RCE 23464
Registration Expires 12/31/11

James R. Harrison
Project Manager

ACCOMPANYING MAPS, ILLUSTRATIONS, AND APPENDICES

Figure 1 - Site Location Map (2,000-scale)
Figure 2 - Historical Seismicity (264,000-scale)
Plate 1 - Geotechnical Map (not-to-scale)
APPENDIX A - References
APPENDIX B - Exploratory Boring Logs
APPENDIX C - Laboratory Test Results
APPENDIX D - Standards of Grading

APPENDIX A

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AERIAL PHOTOGRAPHS UTILIZED

YEAR/SCALE	FLIGHT #/FRAME #	AGENCY
1939/1"=1,667'	C-5750/211-85,211-86	Fairchild Collection
1962/1"=1,000'	Co Flight/73,74	Riv Co Flood Control
1974/1"=2,000'	Co Flight/958,959	Riv Co Flood Control
1978/1"=250'	NAM/16-201	Riv Co Flood Control
1980/1"=2,000'	Co Flight/1056,1057	Riv Co Flood Control
1983/1"=1,600'	Co Flight/199, 200	Riv Co Flood Control
1990/1"=1,600'	Co Flight/19-20,19-21	Riv Co Flood Control
1993/1"=1,000'	Co Flight/6-27,6-28	Riv Co Flood Control
1995/1"=1,600'	Co Flight/19-14,19-15	Riv Co Flood Control
2000/1"=1,000'	Co Flight/19-14,19-15	Riv Co Flood Control

APPENDIX B

Exploratory Boring Logs

KEY TO LOGS

DEFINITION OF TERMS					
PRIMARY DIVISIONS			SYMBOLS		SECONDARY DIVISIONS
COARSE GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE	CLEAN GRAVELS (LESS THAN\ 5% FINES)		GW	Well graded gravels, gravel-sand mixtures, little or no fines.
				GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GRAVEL WITH FINES		GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines.
				GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.
	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE	CLEAN SANDS (LESS THAN 5% FINES)		SW	Well graded sands, gravelly sands, little or no fines.
				SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES		SM	Silty sands, sand-silt mixtures, non-plastic fines.
				SC	Clayey sands, sand-clay mixtures, plastic fines.
FINE GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT IS LESS THAN 50%			ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
				CL	Inorganic clays or low to medium plasticity, gravelly clays, sandy clays, lean clays.
				OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS LIQUID LIMIT IS GREATER THAN 50%			MH	Inorganic sils, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
				CH	Inorganic clays of high plasticity, fat clays.
				OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS				Pt	Peat and other highly organic soils

GRAIN SIZES

SILTS AND CLAYS	SAND			GRAVEL		COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE		
200	40	10	4	¾"	3"	12"	

U.S. STANDARD SERIES SIEVE — CLEAR SQUARE SIEVE OPENINGS

RELATIVE DENSITY

SANDS, GRAVELS AND NON-PLASTIC SILTS	BLOWS/FOOT*
VERY LOOSE	0 – 4
LOOSE	4 – 10
MEDIUM DENSE	10 – 30
DENSE	30 – 60
VERY DENSE	OVER 50

CONSISTENCY

CLAYS AND PLASTIC SILTS	STRENGTH**	BLOWS/FOOT*
VERY SOFT	0 – ¼	0 – 2
SOFT	¼ - ½	2 – 4
FIRM	½ - 1	4 – 8
STIFF	1 – 2	8 – 16
VERY STIFF	2 – 4	16 – 32
HARD	OVER 4	OVER 32

* NUMBER OF BLOWS OF 140 POUND HAMMER FALLING 30-INCES TO DRIVE A 2-INCH O.D. (1-3/8-INCH I.D.) SPLIT SPOON (ASTM D-1586).

**UNCONFINED COMPRESSIVE STRENGTH IN TONS/SQ. FT. AS DETERMINED BY LABORATORY TESTING OR APPROXIMATED BY THE STANDARD PENETRATION TEST (ASTM D-1586), POCKET PENETROMETER, TORVANE, OR VISUAL OBSERVATION

TYPES OF SAMPLES:

X - RING SAMPLE ⊥ - STANDARD PENETRATION TEST Y - BULK SAMPLE

DRILLING NOTES:

1. SAMPLING AND BLOW COUNTS
   RING SAMPLER – NUMBER OF BLOWS PER FOOT OF A 140 POUND HAMMER FALLING 30 INCHES.
   STANDARD PENETRATION TEST – NUMBER OF BLOWS PER FOOT
2. NR = NO RECOVERY

LOGGED BY: JPF

METHOD OF EXCAVATION: MOBILE # B-G1 TRUCK MOUNTED DRILL RIG EQUIPPED W/ 4" HOLLOW STEM AUGERS
ELEVATION: ± 1438

DATE OBSERVED: 10/20/10

LOCATION: SEE GEOTECHNICAL MAP

TEST PIT NO. B-1

(FEET)	CLASSIFICATION	BLOWS/FOOT	UNDISTURBED SAMPLE	BULK SAMPLE	MOISTURE CONTENT(%)	INPLACE DRY DENSITY (PCF)	DESCRIPTION	SOIL TEST
							D.G GRAVEL COVER	R-VALUE, SAND EQUIVALENT
				X			OLD ALLUVIAL FAN DEPOSITS: SILTY SAND (SM): REDDISH BROWN, FINE TO COARSE GRAINED SLIGHTY, MOIST (TOP 2') TO DRY GRADING INTO A SANDY SILT (ML) IN PART	
5		59	X		9.3	12.5	SANDY SILT (ML): ORANGE BROWN, STIFF, DENSE, SLIGHTY MOIST, SANDY IN PART	MOISTURE DENSITY (MD)
		45	X		9.4	121.0	SANDY SILT (ML): ORANGE BROWN, STIFF, DENSE, SLIGHTY MOIST, SANDY IN PART	
15		20					SILT (ML): ORANGE BROWN, MOIST, MEDIUM, DENSE, STIFF	SIEVE ANALYSIS (SA-200 WASH)
							SILTY SAND (ML): BROWN, FINE GRAINED, MINOR MEDIUM, POORLY GRADED WELL SORTED	
20		18			9.3		SANDY SILT (ML): BROWN, MEDIUM DENSE, SANDY IN PART	
							CLAYEY SILT (ML) : OLIVE BROWN. MOIST, STIFF, MEDIUM DENSE	SA (200 WASH) MOISTURE
5		27					SANDY SILT (ML) : MEDIUM GRAY, SANDY IN PAT, TRACE OF GRAVEL, MEDIUM DENSE, SLIGHTY MOIST	SA (200 WASH)
		38			7.6		SILTY SAND (SM): MEDIUM BROWN, FINE GRAINED, MINOR MEDIUM GRAINED	SA (200 WASH) MOISTURE
35		38					SANDY SILT (ML): MEDIUM BROWN, DENSE, MINOR TAN CALICHE VEINLETS	SA (200 WASH)
40					7.7		SILTY SAND (SM): ORANGE BROWN, DENSE, TRACE OF SAND, SLIGHTY MOIST	SA (200 WASH)

JOB NO: 14571001.00

LOG OF TEST PIT

FIGURE: B-1

LOGGED BY: JPF

METHOD OF EXCAVATION: MOBILE # B-61 TRUCK MOUNTED DRILL RIG EQUIPPED W/ 4" HOLLOW STEM AUGERS
ELEVATION: ± 1438

DATE OBSERVED: 10/20/10

LOCATION: SEE GEOTECHNICAL MAP

TEST PIT NO. B-1

...EET)	CLASSIFICATION	BLOWS/FOOT	UNDISTURBED SAMPLE	BULK SAMPLE	MOISTURE CONTENT(%)	INPLACE DRY DENSITY (PCF)	DESCRIPTION	SOIL TEST
							SILT (ML): ORANGE BROWN, DENSE, TRACE SAND, SLIGHTLY MOIST	MOISTURE DENSITY
5							SILT (ML): ORANGE BROWN, DENSE, SLIGHTY MOIST, SANDY IN PART	SA (200 WASH)
0					88.0		SILT (ML): ORANGE BROWN, AS ABOVE	SA (200 WASH)
							TOTAL DEPTH = 51.5 FT	
							NO GROUND WATER	
5							**NO CAVING**	
60								
5								
0								
5								
30								

JOB NO: 14571001.00

LOG OF TEST PIT

FIGURE: B-1

LOGGED BY: JPF

METHOD OF EXCAVATION: MOBILE # B-61 TRUCK MOUNTED DRILL RIG EQUIPPED W/ 4" HOLLOW STEM AUGERS
ELEVATION: ± 1438

DATE OBSERVED: 10/20/10

LOCATION: SEE GEOTECHNICAL MAP

DEPTH (FEET)	CLASSIFICATION	BLOWS/FOOT	UNDISTURBED SAMPLE	BULK SAMPLE	MOISTURE CONTENT(%)	INPLACE DRY DENSITY (PCF)	TEST PIT NO.__B-2__ DESCRIPTION	SOIL TEST
							D.G, APPROXIMATELY 6" ACROSS SURFACE OF SITE	
							OLD ALLUVIAL FAN DEPOSITS SANDY SILT (ML): DARK GRAY BROWN, MOIST, SANDY IN PART, LOOSE TO MEDIUM DENSE	
5		58	X		10.6	130.0	SANDY SILT (ML): ORANGE BROWN, DENSE, SLIGHTLY MOIST, SANDY IN PART, NO PINPOINT PORES	MOISTURE DENSITY
10		94	X		13.1	122.0	SANDY SILT (ML): ORANGE BROWN, DENSE, SLIGHTLY MOIST, TRACE OF SAND AND GRAVEL	16/44/AND 50 BLOWS PER 5" MOISTURE DENSITY
15		22					FINE SILTY SAND (SM): ORANGE BROWN, FINE GRAINED, MINOR MEDIUM, MEDIUM DENSE, SLIGHTLY MOIST, MODERATELY GRADED	
20		31					SILT (ML): OLIVE BROWN, MOIST, STIFF, MICACEOUS	SA (200 WASH)
25							**TOTAL DEPTH = 21.5'** **NO GROUNDWATER**	
30								
35								
40								

JOB NO: 14571001.00

LOG OF TEST PIT

FIGURE: B-2

LOGGED BY: JPF

METHOD OF EXCAVATION: MOBILE # B-61 TRUCK MOUNTED DRILL RIG EQUIPPED W/ 4" HOLLOW STEM AUGERS
ELEVATION: ± 1439

DATE OBSERVED: 10/20/10

LOCATION: SEE GEOTECHNICAL MAP

TEST PIT NO. B-3

DEPTH (FEET)	CLASSIFICATION	BLOWS/FOOT	UNDISTURBED SAMPLE	BULK SAMPLE	MOISTURE CONTENT(%)	INPLACE DRY DENSITY (PCF)	DESCRIPTION	SOIL TEST
							D.G. TOP 6"	MAXIUM DENSITY/OPTIMUM MOISTURE (MAX)
							OLD ALLUVIAL FAN DEPOSITS	DIRECT SHEAR, SIEVE ANALYSIS (SA),
							0-2 DARK GRAY BROWN SILTY SAND (SM): LOOSE, SANDY IN PART	EXPANSION INDEX (EI), CORROSIVITY SUITE
							SILTY SAND (SM): YELLOW BROWN,FINE TO MEDIUM GRAINED, TRACE GRAVEL, BECOMING YELLOW, RARE PINPOINT FINES	
	68		X		6.2	131.0	SANDY SILT (ML): YELLOW BROWN, SANDY IN PART, DRY, DENSE, NO PINPOINT PORES OR FINE ROOTS	18/50 BLOWS FOR 5 INCHES MD MD
		90	X		143	113.0	SILT (ML): ORANGE BROWN, DENSE, MINOR CALICHE VEINLETS, TRACE SAND, SLIGHTLY MOIST	20/40/50 BLOWS PER 4 INCHES MD MD
							SITLTY SAND (SM): DARK BROWN, FINE GRAINED, SILTY, WELL INDURATED 2" CALICHE LAYER,	
		21					GRADING INTO A SILT, MEDIUM DENSE, SLIGHTLY MOIST	
20		11					SILT (ML): ORANGE BROWN, MEDIUM DENSE, MOIST, MICACEOUS	
25		17					SILT (ML): ORANGE BROWN, MOIST, RARE COARSE SAND GRAINS, MEDIUM DENSE, MOIST, STIFF	
							TOTAL DEPTH = 26.5'	
							NO GROUNDWATER	
0								
5								
10								

JOB NO: 14571001.00

LOG OF TEST PIT

FIGURE: B-3

LOGGED BY: JPF

METHOD OF EXCAVATION: MOBILE # B-61 TRUCK MOUNTED DRILL RIG EQUIPPED W/ 4" HOLLOW STEM AUGERS
ELEVATION: ± 1440

DATE OBSERVED: 10/20/10

LOCATION: SEE GEOTECHNICAL MAP

TEST PIT NO. B-5

FEET	CLASSIFICATION	BLOWS/FOOT	UNDISTURBED SAMPLE	BULK SAMPLE	MOISTURE CONTENT(%)	INPLACE DRY DENSITY (PCF)	DESCRIPTION	SOIL TEST
							D.G. TOP 6"	
							OLD ALLUVIAL FAN DEPOSITS	
							SANDY CLAY (CL): RED BROWN, MOIST, SOFT, LOOSE	MD
		89	X		9.3	123.0	SANDY SILT (ML): ORANGE BROWN, DENSE, DRY, NO PINPOINT PORES OR ROOTS, SANDY IN PART, TRACE OF GRAVEL	
		95	X		18.5	111.0	SILT (ML): ORANGE BROWN, VERY DENSE, MINOR TAN CALICHE BLOBS AND VEINLETS, RARE SAND GRAINS	
							TOTAL DEPTH = 11.5'	
							NO GROUNDWATER	
20								
25								
5								
40								

JOB NO: 14571001.00

LOG OF TEST PIT

FIGURE: B-5

APPENDIX C

Laboratory Test Results

LABORATORY TESTING

A. Classification

Soils were visually classified according to the Unified Soil Classification System. Classification was supplemented by index tests, such as particle size analysis and moisture content.

B. Expansion Index

Expansion index tests were performed on representative samples of the onsite soils remolded and tested under a surcharge of 144 lb/ft^2, in accordance with Uniform Building Code Standard No. 29-2. The test results are presented on **Figure C-1, Table I** and copies of our laboratory test results are presented on **Figures C-2 & C-3.**

C. Maximum Density/Optimum Moisture Content

Maximum density/optimum moisture content relationships were determined for typical samples of the onsite soils. The laboratory standards used were ASTM 1557-Method A. The test results are summarized on **Figure C-1, Table II**, and presented graphically on **Figures C-4 & C-5.**

D. Direct Shear

A direct shear strength test was performed on a representative sample of the onsite undisturbed soils. To simulate possible adverse field conditions, the samples were saturated prior to shearing. A saturating device was used which permitted the samples to absorb moisture while preventing volume change. Test results are graphically displayed on **Figure C-6.**

E. Corrosivity Suite

Corrosivity suite testing including resistivity, soluble sulfate content, pH and chloride content were performed on representative samples of the onsite soils. The laboratory standards used were CTM 643, CTM 417 & CTM 422. The test results are presented on **Figure C-1, Table III and Figure C-7.**

F. Particle Size Determination

Particle size determination, consisting of mechanical analyses (sieve) including 200 washes, was performed on representative samples of the onsite soils in accordance with ASTM D 422-63 and CAL TEST 202. The test results are shown on **Figures C-8 through C-19.**

LABORATORY TESTING (continued)

G. Sand Equivalent

Sand equivalent tests were performed on representative samples of the subsurface soils to supplement visual classifications and mechanical analysis. The laboratory standard used was ASTM D 2419-74. The test results are presented on **Figure C-1, Table IV.**

H. R-Value

An R-Value test was performed in accordance with CAL Method 301 on a representative bulk sample of the soils anticipated to underlie the proposed parking and driveway areas and streets. The test result is presented on **Figure C-20.**

TABLE I EXPANSION INDEX		
TEST LOCATION	EXPANSION INDEX	EXPANSION POTENTIAL
B-3 @ 0-5 ft	3	Non Expansive
B-4 @ 0-5 ft	2	Non Expansive

TABLE II MAXIMUM DENSITY/OPTIMUM MOISTURE RELATIONSHIP ASTM D 1557		
TEST LOCATION	MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)
B-3 @ 0-5 ft	127.4	10.7
B-4 @ 0-5 ft	132.0	8.9

TABLE III CORROSIVITY SUITE				
TEST LOCATION	SATURATED RESISTIVITY	pH	CHLORIDE CONTENT	SULFATE CONTENT
B-3 @ 0-5 ft	3,900	7.6	60 PPM	ND % by wgt

TABLE IV SAND EQUIVALENT ASTM D 2419		
TEST LOCATION	SAND EQUIVALENT	SOIL TYPE
B-1 @ 0-5 ft	29	Reddish Brown Silty Sand (SM)

Figure C-1

EXPANSION INDEX TEST

Job No.	145710001.00
Project	trumble
Tested By	GRF
Date	11-12-10
Checked By	
Date	
Tract	

Test Method	ASTM D 4829
Lot #	B-3
Depth (ft.)	0-5
Sample / Lab No.	

INITIAL CONDITIONS

NITIAL MOISTURE, W %	9.1		
REMOLDED WET SOIL + TARE	611.9		
TARE (g)	201.1		
WET SOIL, Wt (g)	410.8		
DRY SOIL, Ws (g)	376.5		
REMOLDED WET DENSITY γt = Wt(.30165) (PCF)	124.0		
REMOLDED DRY DENSITY γd l = Ws(.30165) (PCF)	113.7		
WEIGHT OF WATER Ww Ww = γt - γd (PCF)	10.3		
SOLIDS VOLUME, Vs (ft^3) /s = γd + 168.5	67		
VOIDS VOLUME, Vv (ft^3) /v = 1 - Vs	33		
DEGREE OF SATURATION S S = Ww x 100/62.4 x Vv(%) 1030/205	50		

Sample Description:

% Saturation 40-60

Expansion Results

Initial Reading	1.004
Final Reading	1.007
Height Change	
Expansion Index	3

EXPANSION INDEX TEST

Job No.	14571001.00
Project	Trumble
Tested By	YRC
Date	11-12-10
Checked By	
Date	
Tract	

Test Method	ASTM D 4829
Lot #	B-4
Depth (ft.)	0-5
Sample / Lab No.	

INITIAL CONDITIONS

INITIAL MOISTURE, W %		8.9		
REMOLDED WET SOIL + TARE		612.4		
TARE (g)		199.9		
WET SOIL, Wt (g)		412.5		
DRY SOIL, Ws (g)		378.7		
REMOLDED WET DENSITY = Wt(.30165) (PCF)	γt	124.5		
REMOLDED DRY DENSITY = Ws(.30165) (PCF)	γd	114.3		
WEIGHT OF WATER Ww = γt - γd (PCF)	Ww	10.2		
SOLIDS VOLUME, Vs (ft^3) Vs = γd + 168.5		67		
VOIDS VOLUME, Vv (ft^3) Vv = 1 - Vs		33		
DEGREE OF SATURATION S = Ww x 100/62.4 x Vv(%) (1030 20.5)	S	51		

Sample Description:

% Saturation 40-60

Expansion Results

Initial Reading	1.002
Final Reading	1.004
Height Change	
Expansion Index	2

COMPACTION TEST REPORT

Project No.: 14571001.00 **Date:** 11/2/10
Project: TRUMBLE

Location:
Elev./Depth: 0-5 **Sample No.** B-3
Remarks:

MATERIAL DESCRIPTION

Description: DARK GRAY SILTY SAND

Classifications - **USCS:** SM **AASHTO:**
Nat. Moist. = **Sp.G. =** 2.65
Liquid Limit = **Plasticity Index =**
% > No.4 = 2.8 % **% < No.200 =** 40.1 %

TEST RESULTS
Maximum dry density = 127.4 pcf
Optimum moisture = 10.7 %

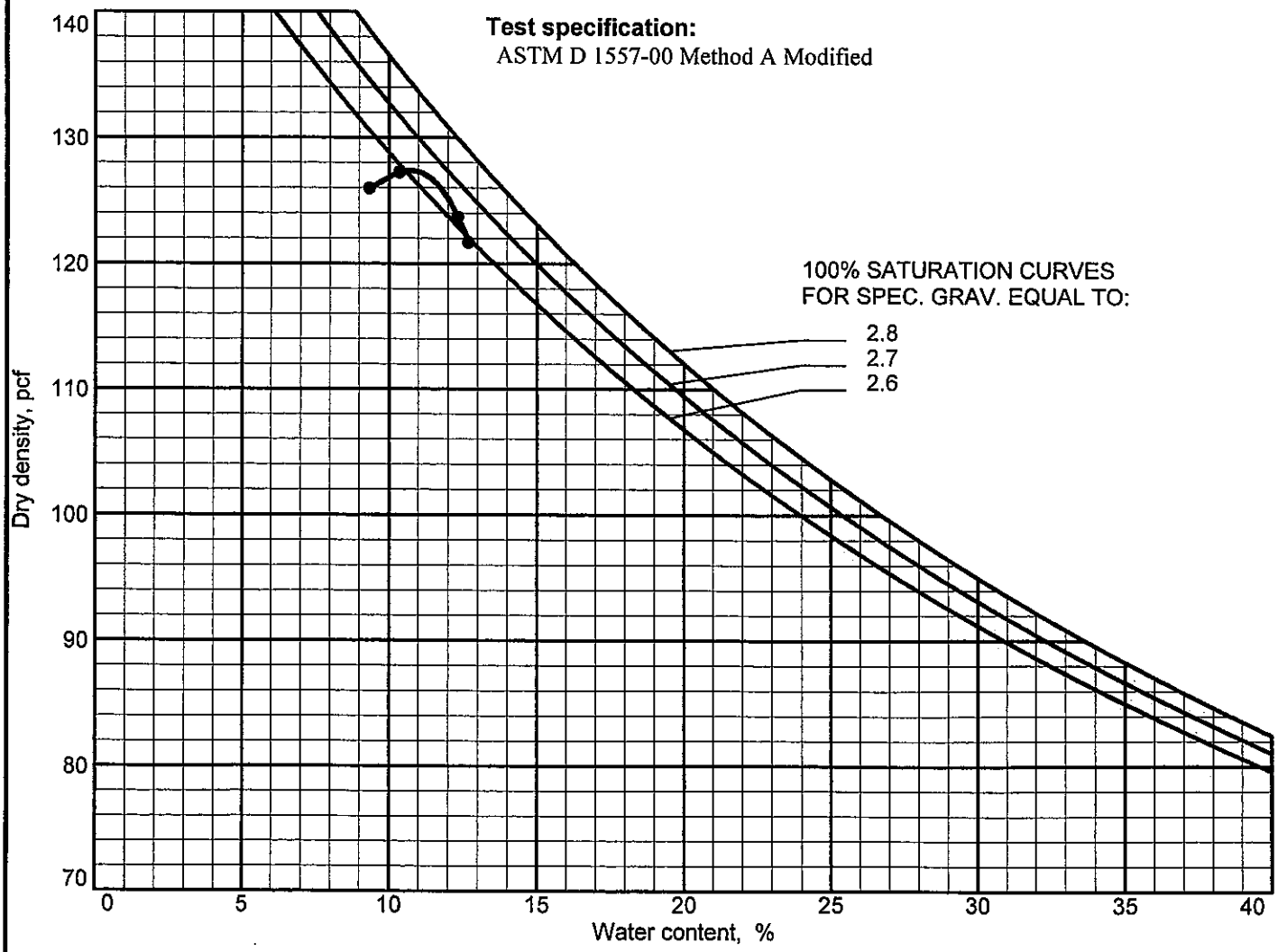


Figure C-4

COMPACTION TEST REPORT

Project No.: 14571001.00 **Date:** 12/16/10
Project: TRUMBLE

Location:
Elev./Depth: 0-5 **Sample No.** B-4
Remarks:

MATERIAL DESCRIPTION

Description: YELLOW BROWN SILTY SAND

Classifications - **USCS:** SM **AASHTO:**
Nat. Moist. = **Sp.G. =** 2.70
Liquid Limit = **Plasticity Index =**
% > No.4 = 2.4 % **% < No.200 =** 34.8 %

TEST RESULTS
Maximum dry density = 132.0 pcf
Optimum moisture = 8.9 %

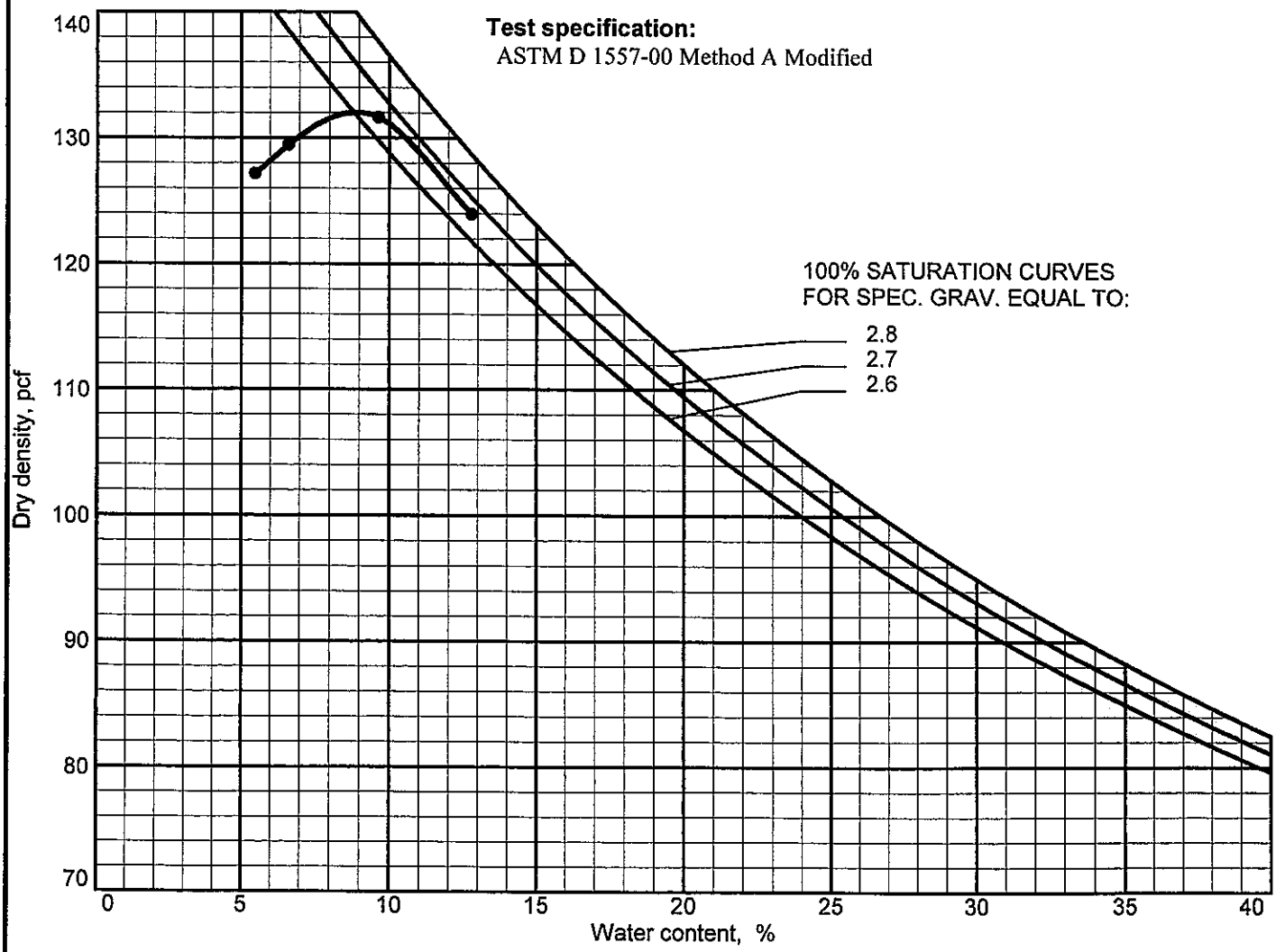


Figure C-5

Prime Testing, Inc.
41658 Ivy Street Ste 114
Murrieta, CA 92562
ph (951) 894-2682

DIRECT SHEAR
ASTM D 3080

T.H.E. Soils Company
Project: WO #14571001.00 – TRUMBLE , ID: B-3 @ 0-5'

Soil Description: DARK GRAY SILTY SAND (SM)

Displacement Rate: 0.033 in/m Box Gap: 0.025 in Max Data: 127.4 @ 10.7

Remold Target Data: 91 % = 130.7 pcf 10.0 %Mc(-No.10) 2.65 Gs(assumed)

*As Received Mc: 4.9 Adjusted Mc: 10.1 % **After Shear Mc: – %

*Existing Gradation for undisturbed specimens, -No.10 fraction for remolded specimens

☐ Undisturbed
■ Remolded

**Test 1 Specimen (Highest Normal Stress)

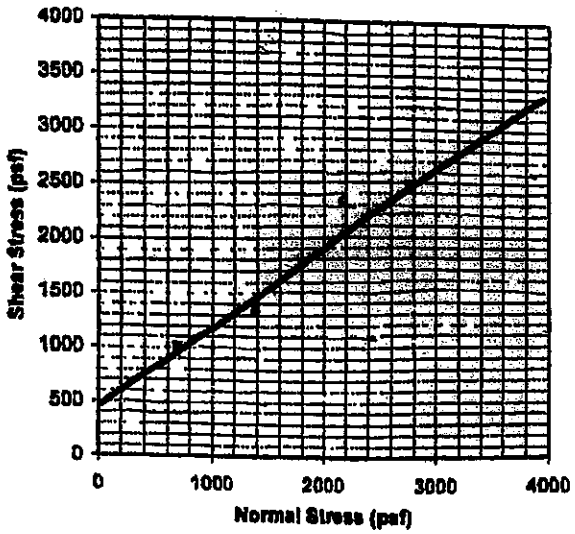
	Test 1		Test 2		Test 3	
SHEAR RECORD:	Prov. Ring	Vert. Dial	Prov. Ring	Vert. Dial	Prov. Ring	Vert. Dial
Displacement (in): 0.010	57	-8	27	-4	22	0
0.020	123	-20	61	-7	48	0
0.030	147	-28	86	-5	63	11
0.040	164	-32	99	6	71	25
0.050	177	-34	103	21	75	47
0.060	184	-34	105	34	76	64
0.070	189	-33	106	44	77	83
0.080	193	-32	106	51	77	100
0.090	195	-30	106	57	76	115
0.100	195	-30	106	62	75	129
0.110	195	-30	106	67	70	◀Relaxed
0.120	195	-30	105	70		
0.130	195	-30	105	75		
0.140	194	-32	105	79		
0.150	193	-34	104	83		
0.160	178	◀Relaxed	95	◀Relaxed		
0.170						
0.180						
0.190						
0.200						
0.210						
0.220						
0.230						
0.240						
0.250						

*SHEAR STRESS:	Divisions	Pounds	psf
Test 1:	195	78.81	2475
Test 2:	106	43.49	1366
Test 3:	77	31.98	1004

*Peak Values

NORMAL STRESS (psf):	
Test 1:	2764
Test 2:	1382
Test 3:	691

Ø=	35.9°
C=	460psf



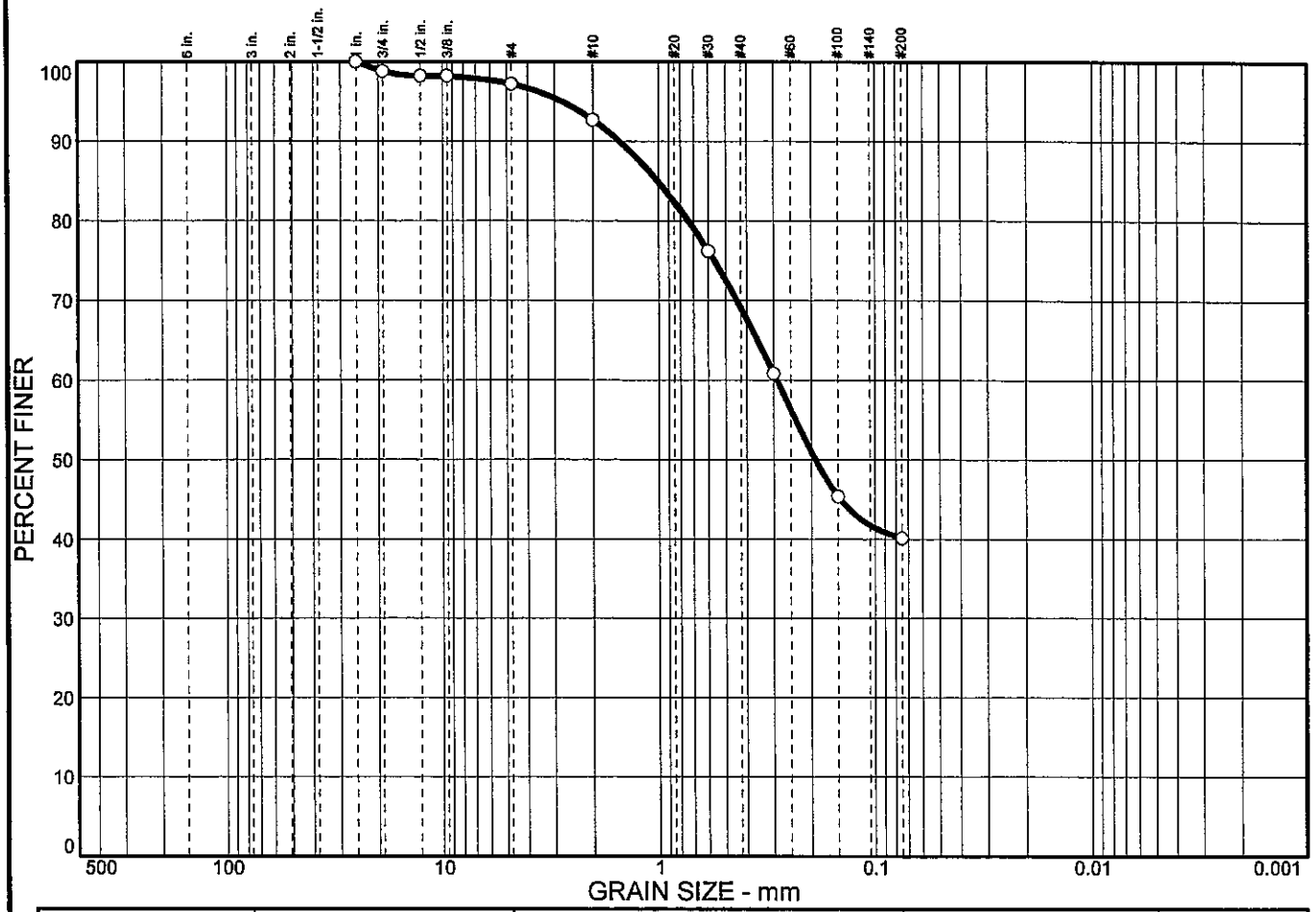
Proving Ring
SN:1155-16-11838C
Calibrated 5/28/2010

Reviewed By

6/16/2010
Date

Form No. 40R
Rev. 05/10

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	2.8	57.1	40.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1 in.	100.0		
3/4 in.	98.8		
1/2 in.	98.2		
3/8 in.	98.2		
#4	97.2		
#10	92.7		
#30	76.2		
#50	60.8		
#100	45.4		
#200	40.1		

* (no specification provided)

Material Description

DARK GRAY SILTY SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 1.01 D_{60}= 0.290 D_{50}= 0.192
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

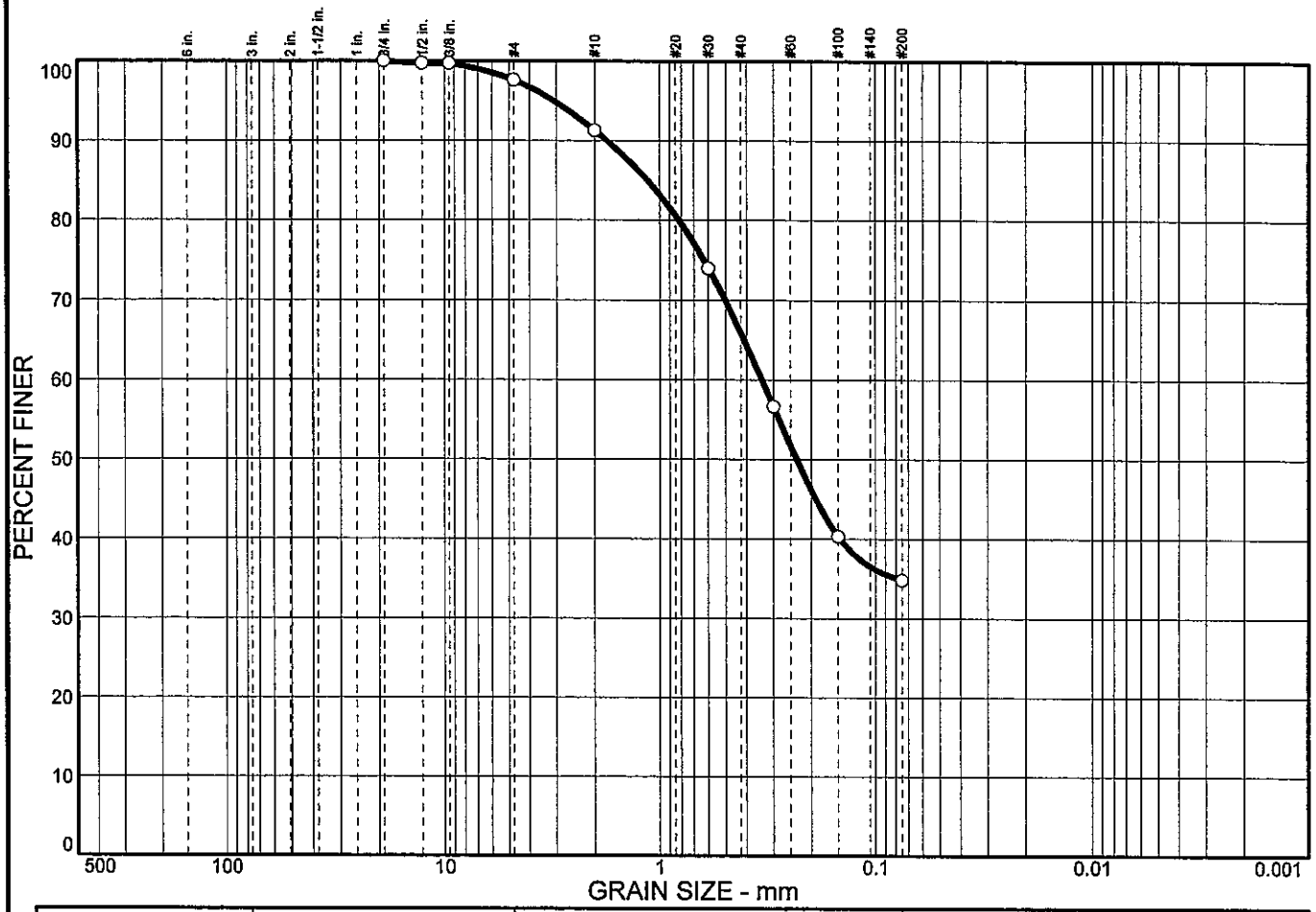
Sample No.: B-3 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 0-5

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE

Project No: 14571001.00 **Figure** C-8

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	2.4	62.8	34.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
1/2 in.	99.7		
3/8 in.	99.7		
#4	97.6		
#10	91.3		
#30	74.0		
#50	56.6		
#100	40.3		
#200	34.8		

* (no specification provided)

Material Description

YELLOW BROWN SILTY SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 1.14 D_{60}= 0.340 D_{50}= 0.235
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

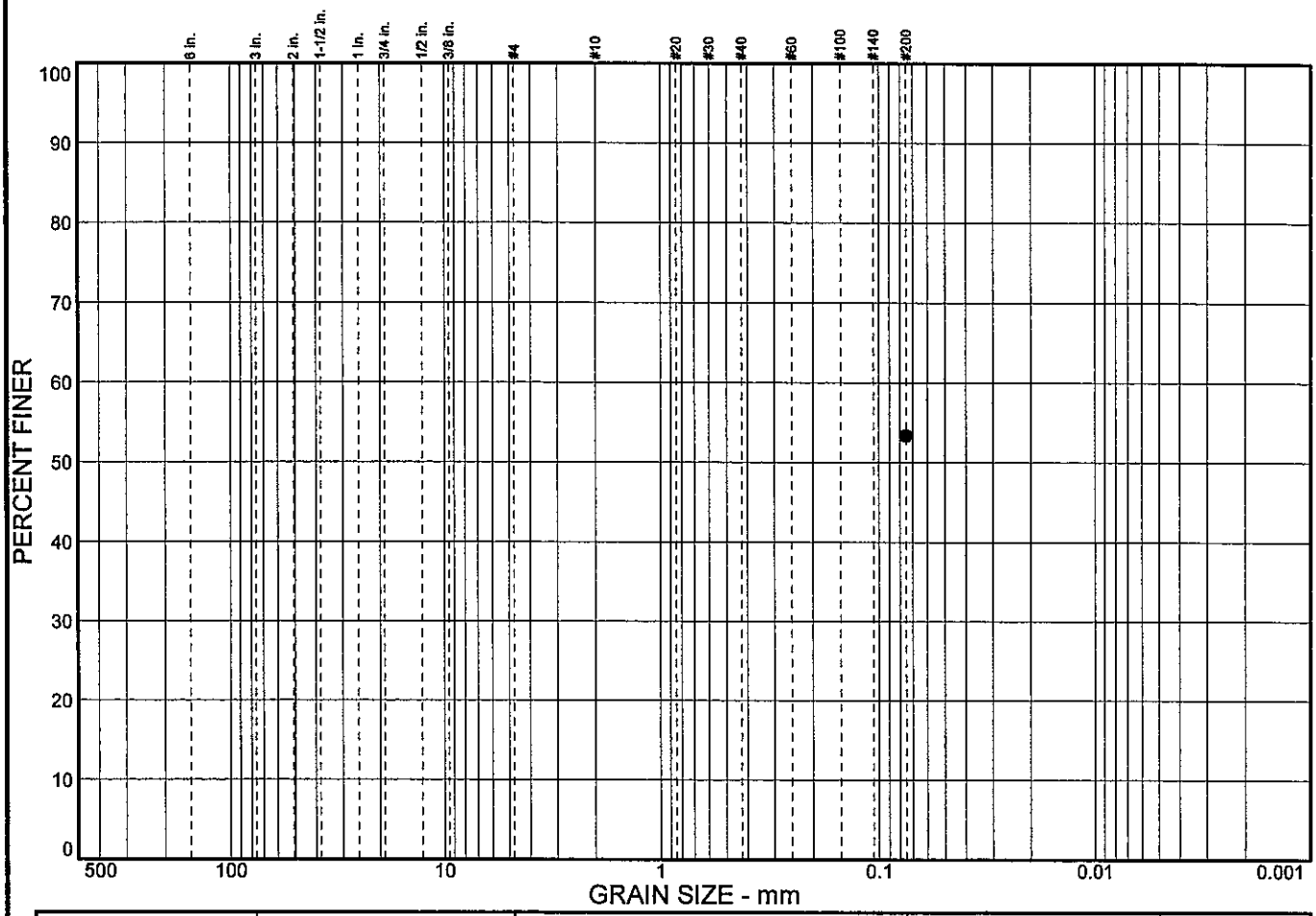
Sample No.: B-4 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 0-5

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE

Project No: 14571001.00 **Figure** C-9

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
			53.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	53.3		

* (no specification provided)

Material Description

ORANGE BROWN SANDY SILT

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

Remarks

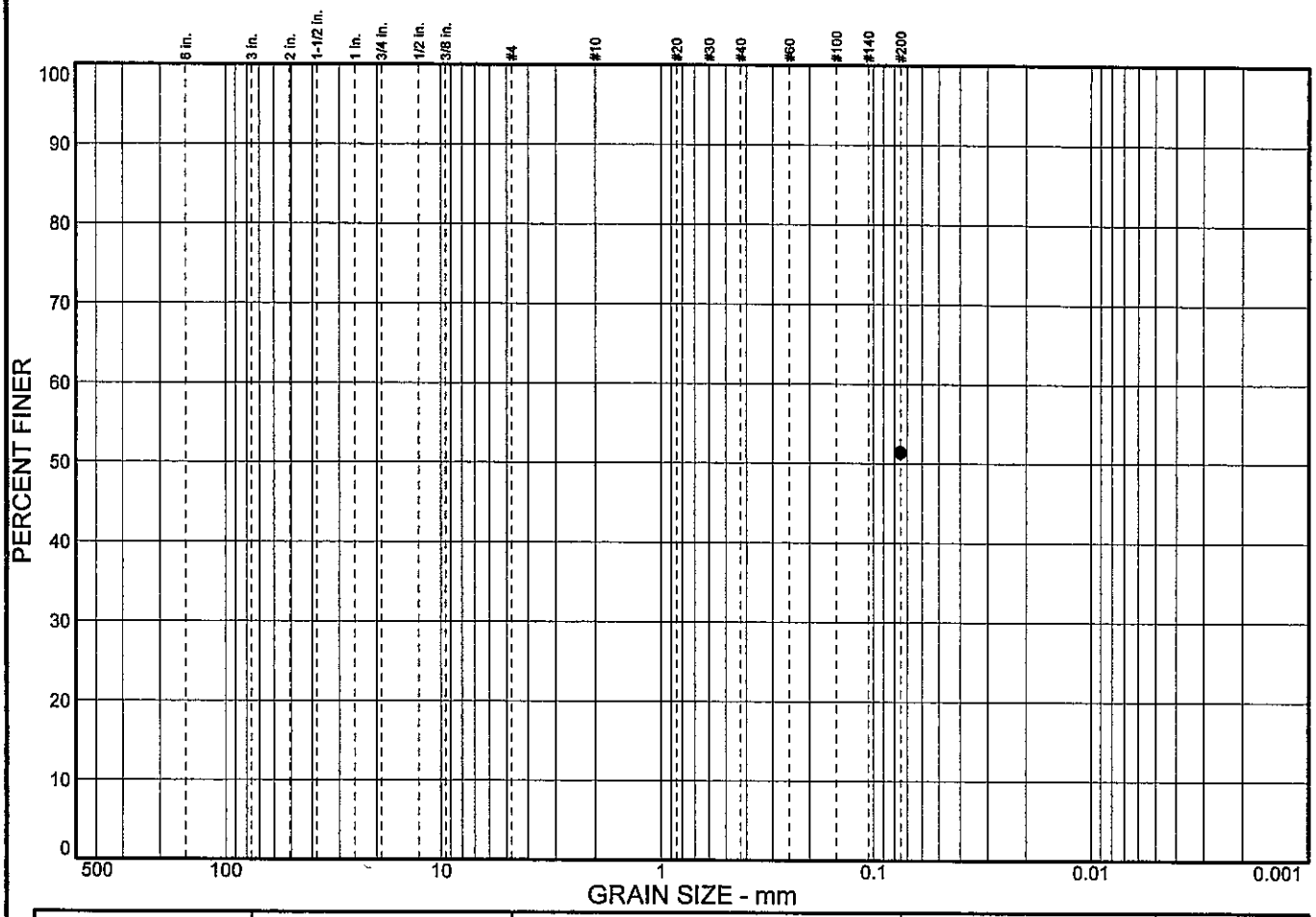
Sample No.: B-1 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 15

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE

Project No: 14571001.00 **Figure** C-10

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
			51.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	51.4		

* (no specification provided)

Material Description

BROWN SANDY SILT

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

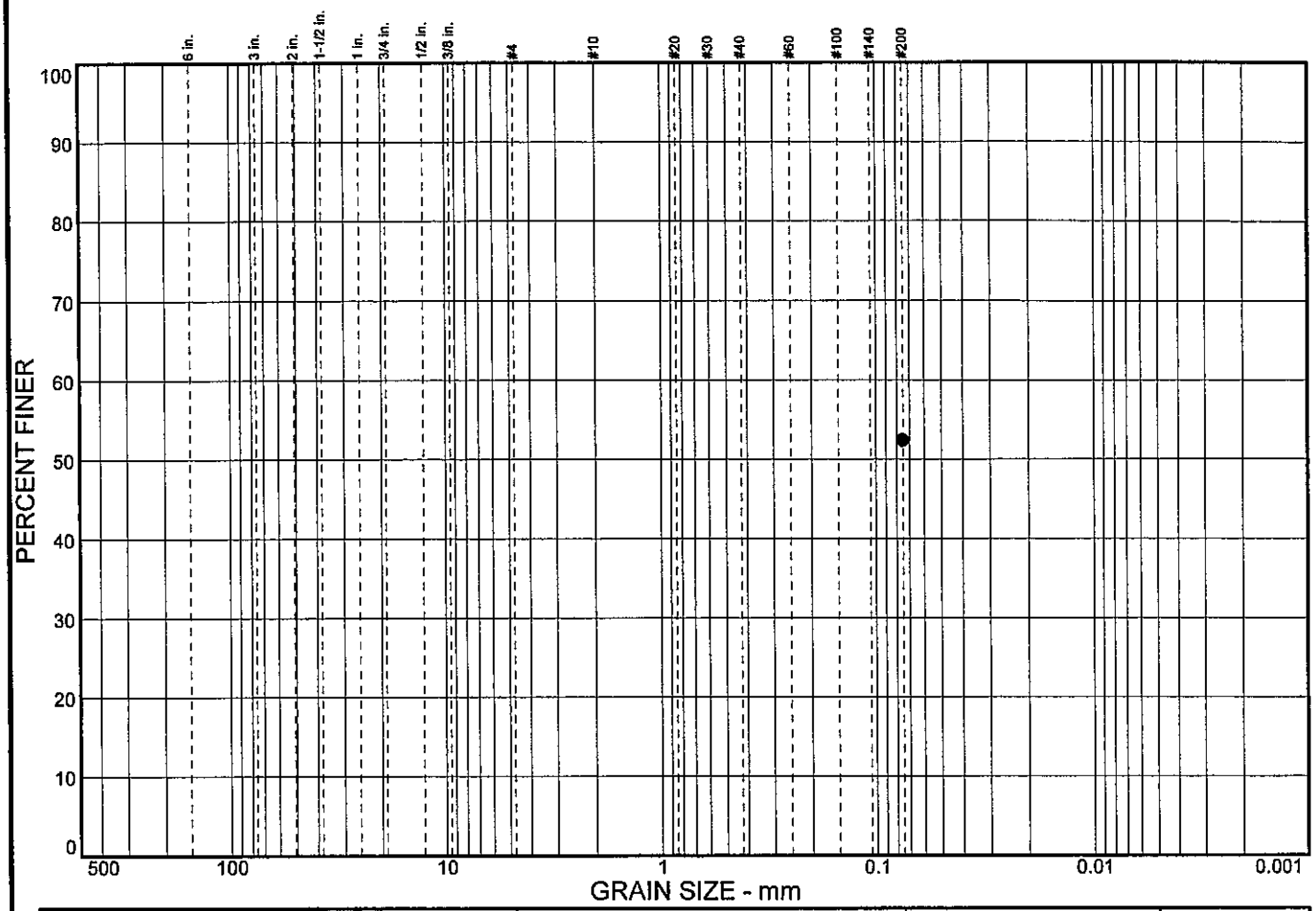
Remarks

Sample No.: B-1 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 20

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE
Project No: 14571001.00 **Figure** C-11

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
			52.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	52.4		

* (no specification provided)

Material Description

MEDIUM GRAY SANDY SILT

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

Remarks

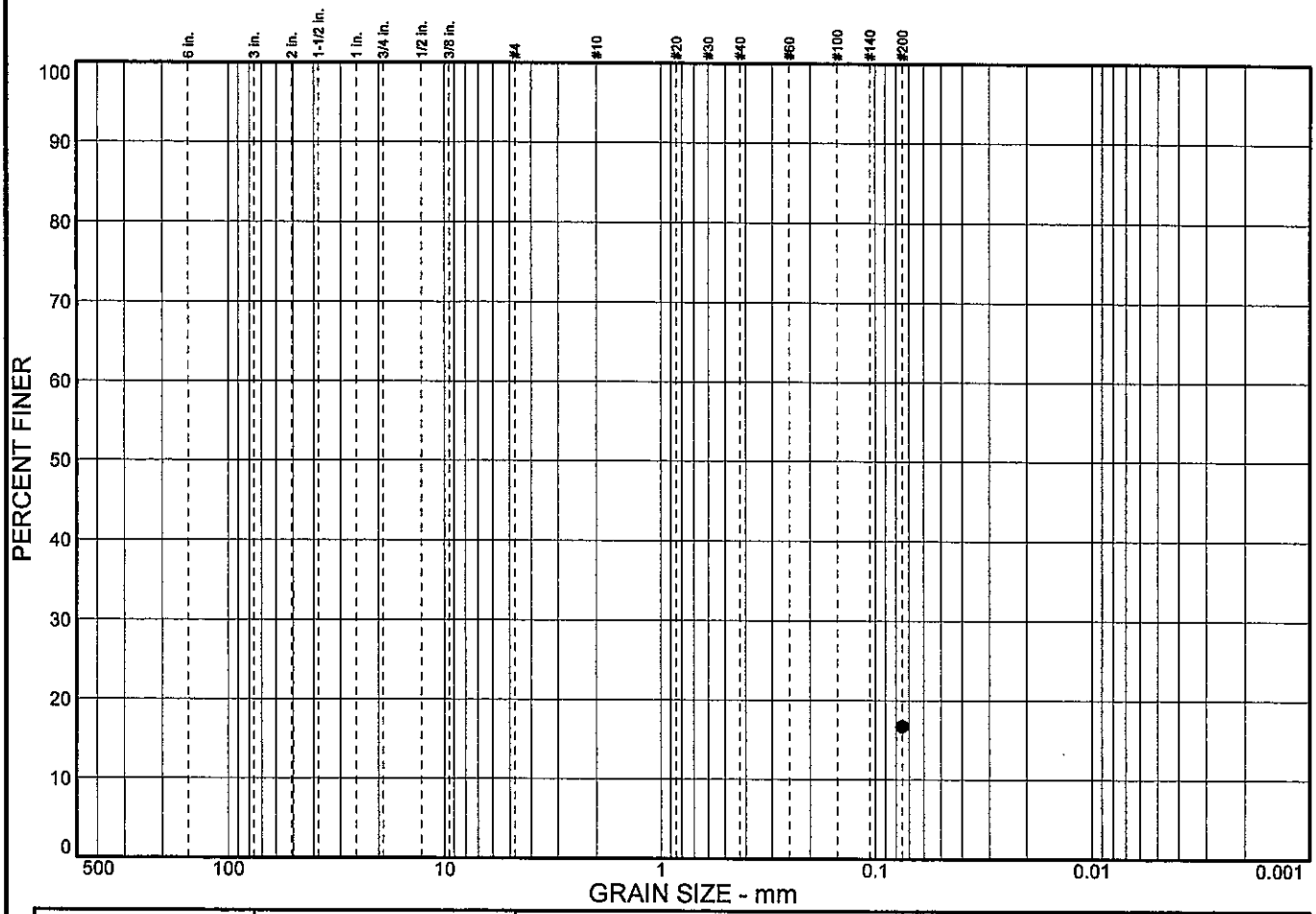
Sample No.: B-1 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 25

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE

Project No: 14571001.00 **Figure** C-12

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
			16.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	16.7		

* (no specification provided)

Material Description

MEDIUM BROWN SILTY SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

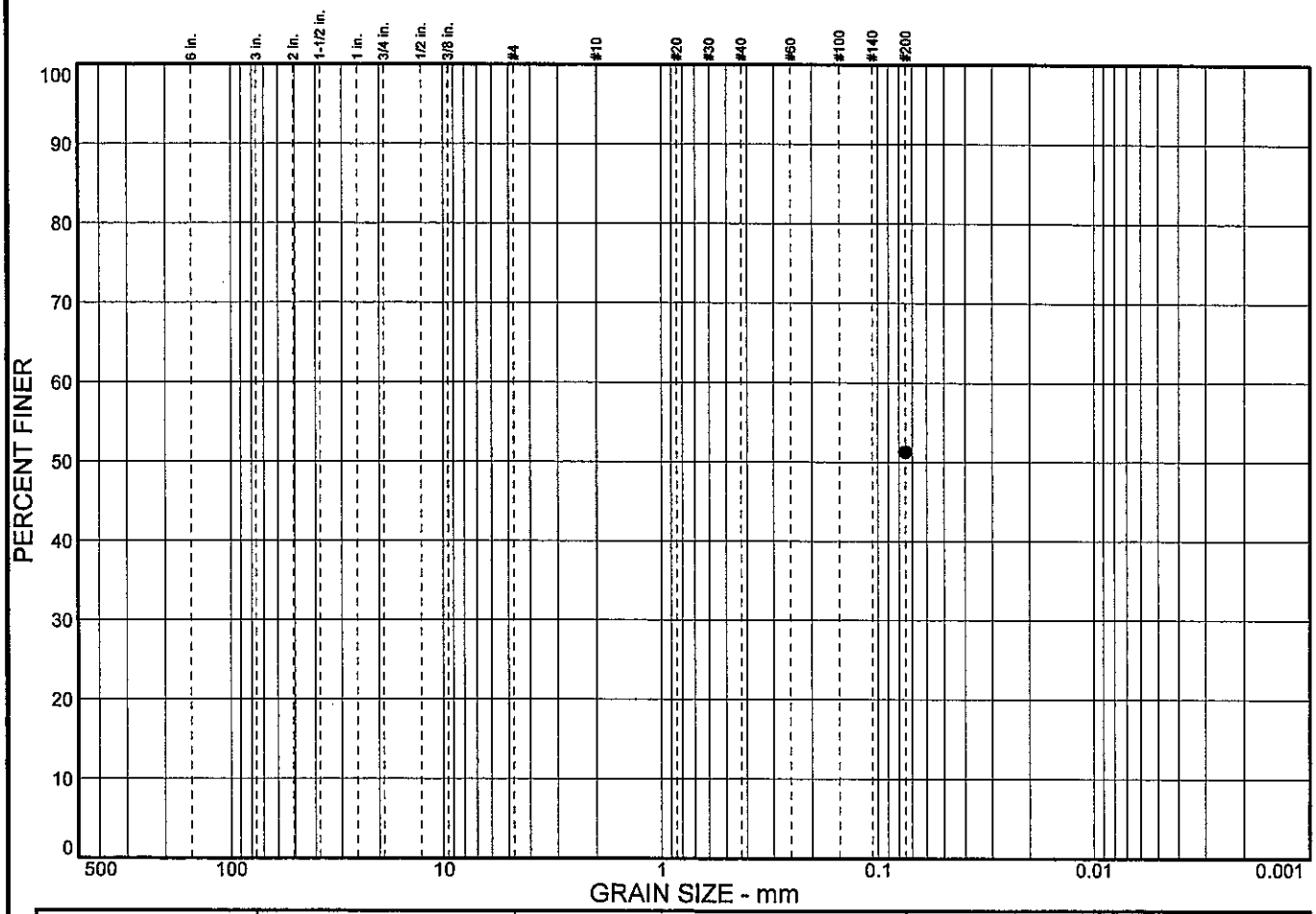
Sample No.: B-1 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 30

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE

Project No: 14571001.00 **Figure** C-13

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
			51.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	51.3		

* (no specification provided)

Material Description

MEDIUM BROWN SANDY SILT

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

Remarks

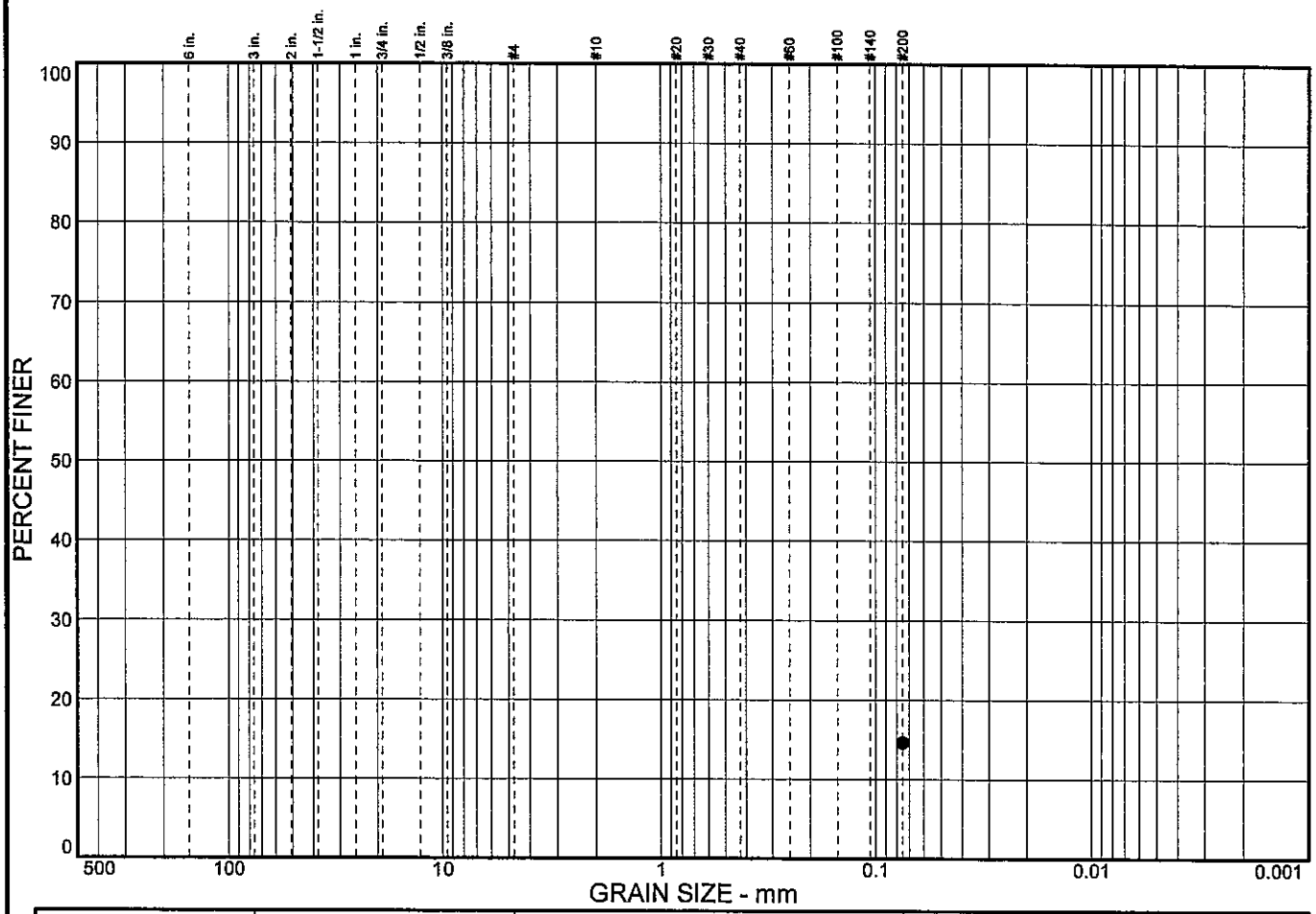
Sample No.: B-1 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 35

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE

Project No: 14571001.00 **Figure** C-14

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
			14.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	14.6		

* (no specification provided)

Material Description

ORANGE BROWN SILTY SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

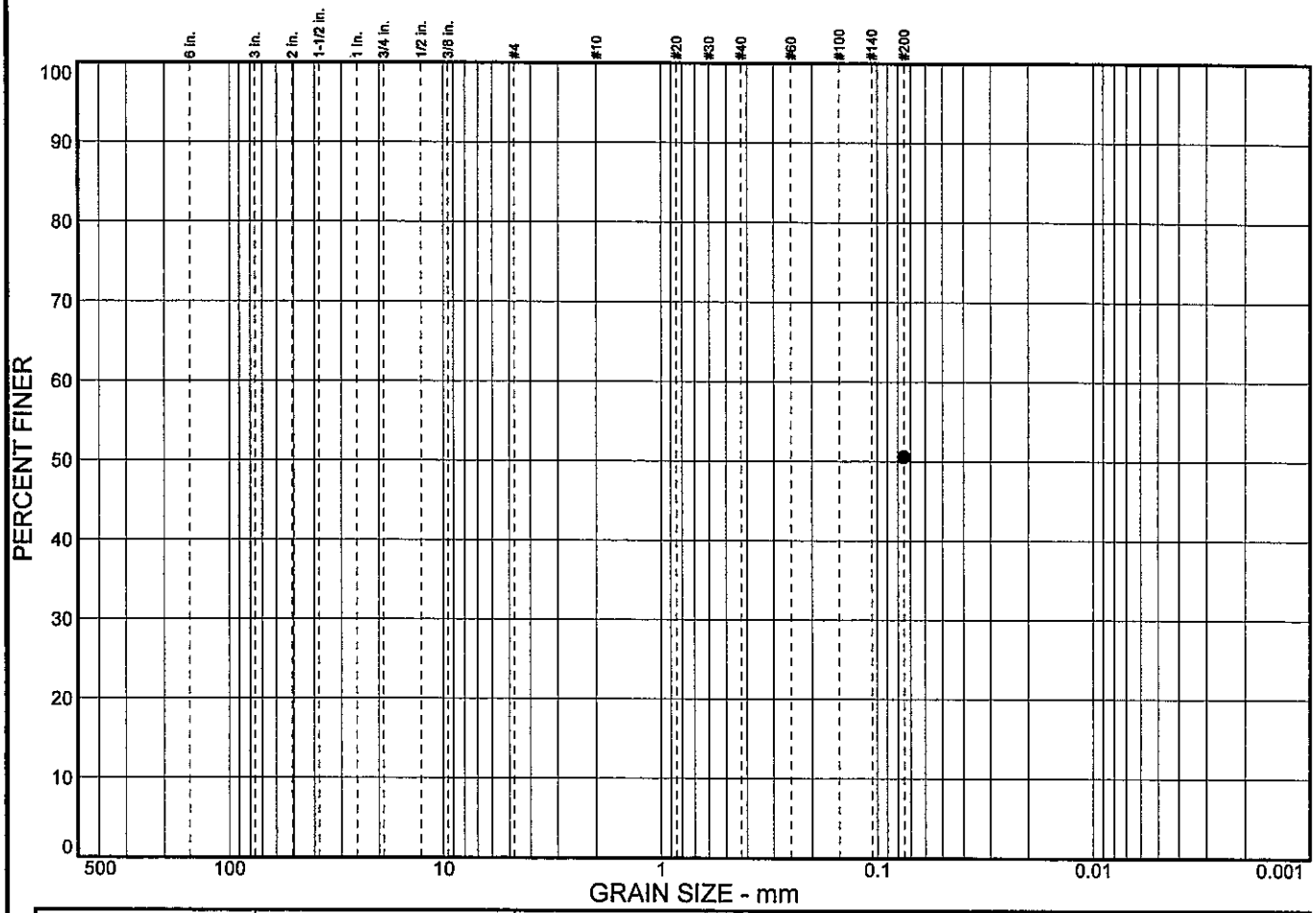
Sample No.: B-1 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 40

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE

Project No: 14571001.00 **Figure** C-15

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
			50.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	50.6		

* (no specification provided)

Material Description

ORANGE BROWN SANDY SILT

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

Remarks

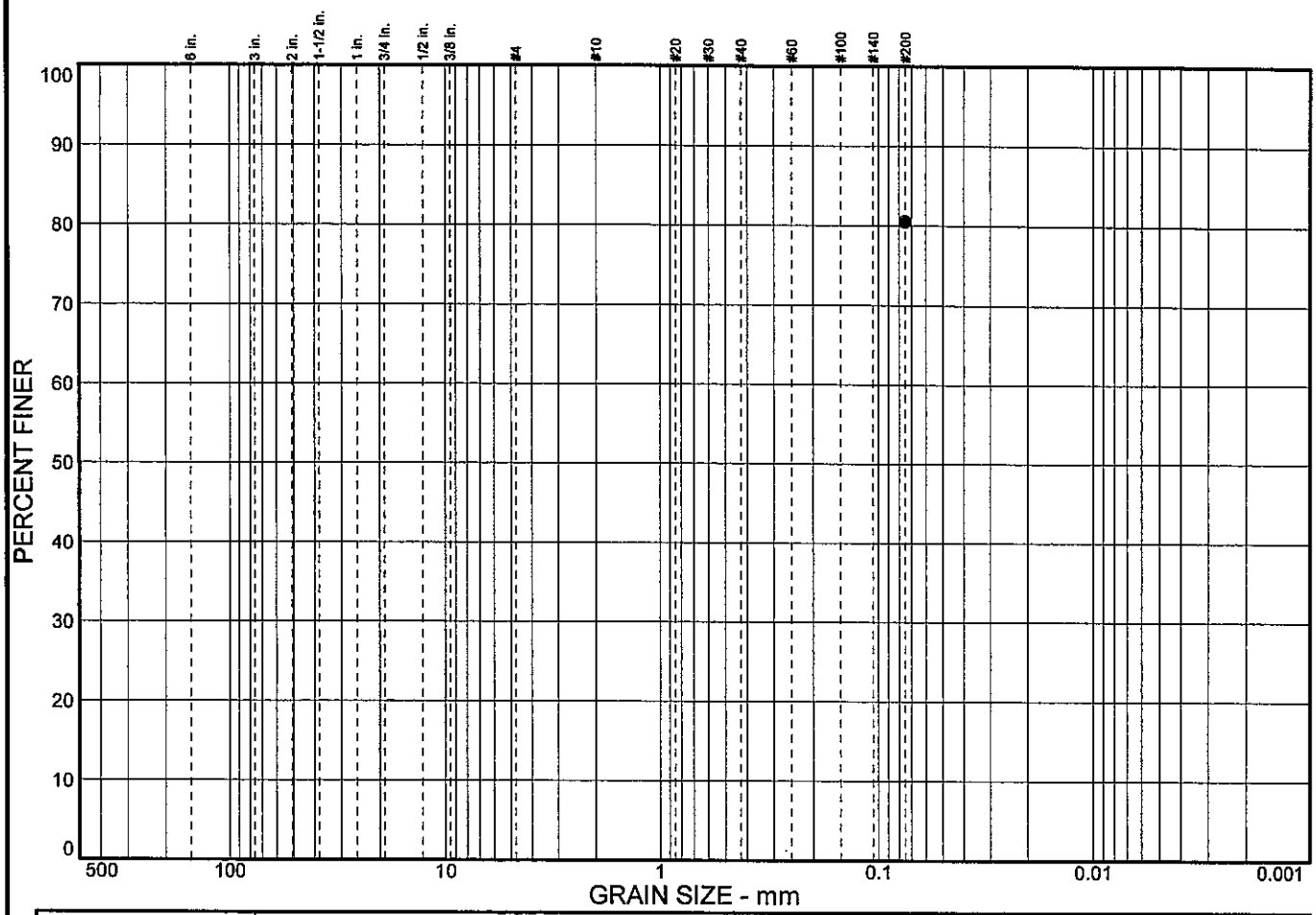
Sample No.: B-1 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 45

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE

Project No: 14571001.00 **Figure** C-16

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
			80.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	80.5		

* (no specification provided)

Material Description

ORANGE BROWN SILT

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

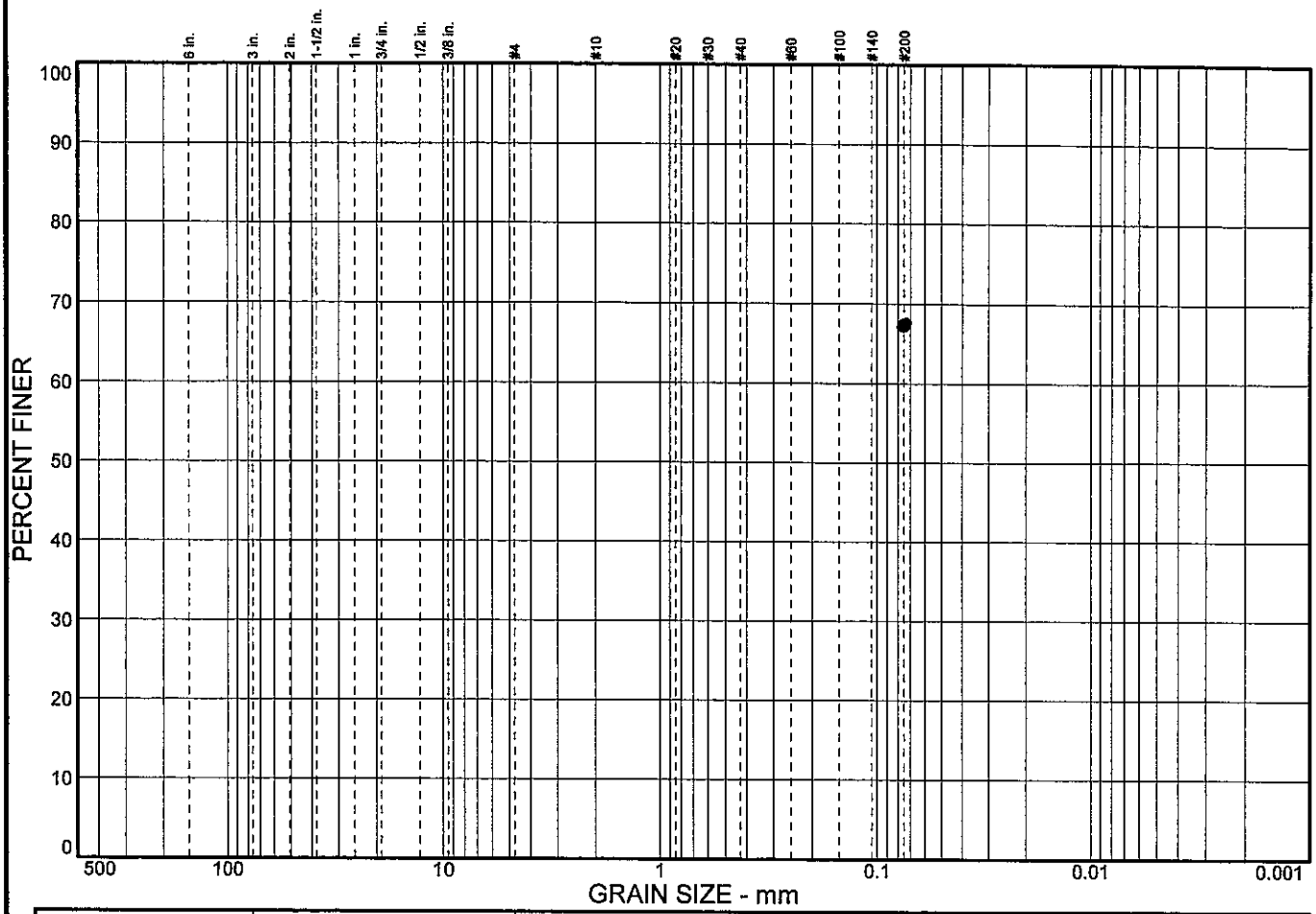
Remarks

Sample No.: B-1 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 50

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE
Project No: 14571001.00 **Figure** C-17

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
			67.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	67.3		

* (no specification provided)

Material Description

OLIVE BROWN SILT

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

Remarks

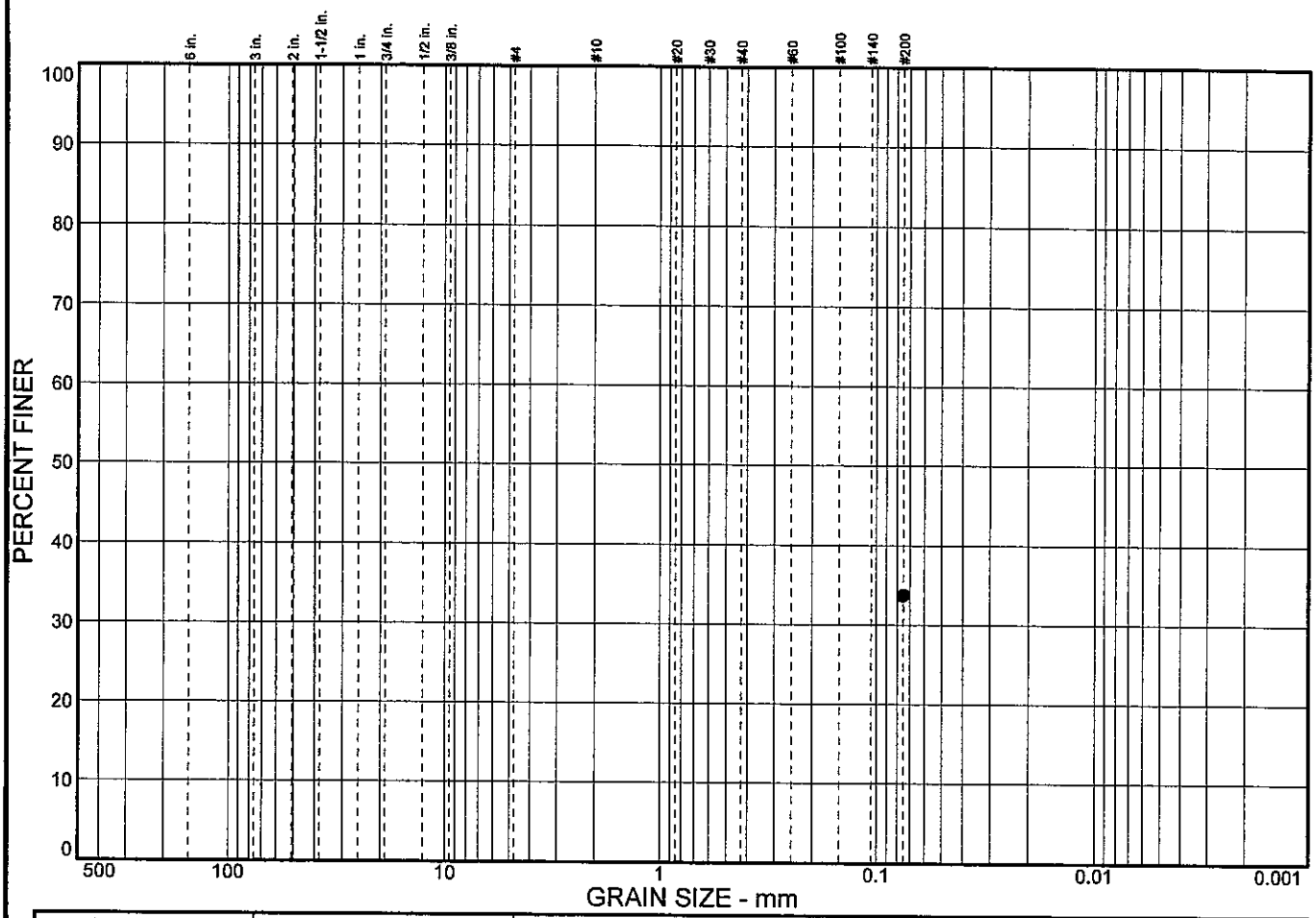
Sample No.: B-2 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 20

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE

Project No: 14571001.00 **Figure** C-18

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
			33.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	33.7		

* (no specification provided)

Material Description

ORANGE BROWN SILTY SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-4 **Source of Sample:** **Date:** 12/15/10
Location: **Elev./Depth:** 20

T.H.E. Soils Company, Inc.
Murrieta, CA

Client: TRUMBLE
Project: TRUMBLE

Project No: 14571001.00 **Figure** C-19

TEST SPECIMEN		A	B	C	D
Compactor air pressure	PSI	350	210	140	
Water added	%	0.8	1.8	2.8	
Moisture at compaction	%	11.0	12.0	13.0	
Height of sample	IN	2.42	2.46	2.42	
Dry density	PCF	127.2	124.0	120.4	
R-Value by exudation		31	15	10	
R-Value by exudation, corrected		29	15	10	
Exudation pressure	PSI	605	325	231	
Stability thickness	FT	0.88	1.09	1.15	
Expansion pressure thickness	FT	1.03	0.53	0.07	

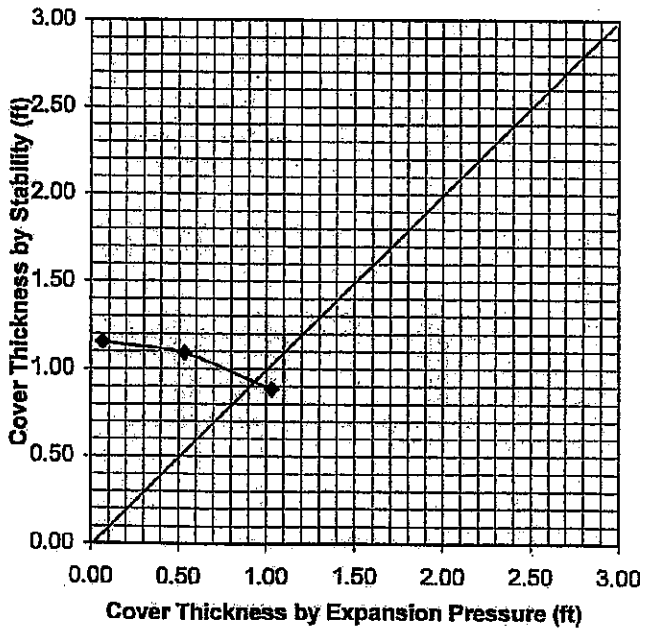
DESIGN CALCULATION DATA

Traffic index, assumed	5.0
Gravel equivalent factor, assumed	1.25
Expansion, stability equilibrium	0.94
R-Value by expansion	27
R-Value by exudation	14
R-Value at equilibrium	**14**

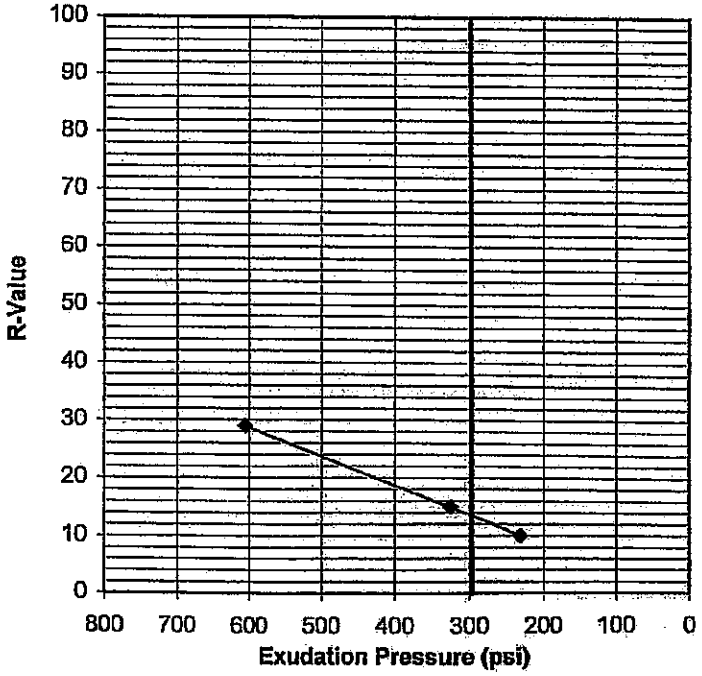
SAMPLE INFORMATION

Sample Location:	B-1 @ 0-5
Sample Description:	Dark Brown Sandy Clay
Notes:	Soils Co. 14571001.00
	Trumble
Retained 3/4"	0% Retained on 3/4 inch sieve
Test Method:	Cal-Trans Test 301

Expansion, Stability Equilibrium



R-Value By Exudation



GeoSoils, Inc.
5741 Palmer Way
Carlsbad, CA 92008
Telephone: (760) 438-3155
Fax: (760) 931-0915

R - VALUE TEST RESULTS

Project: THE SOILS COMPANY

Number: 5893.14-A-SC

Date: Oct-10 Figure: C-20

APPENDIX D

Standards of Grading

STANDARD GRADING AND EARTHWORK SPECIFICATIONS

These specifications present **T.H.E. Soils Company**, standard recommendations for grading and earthwork.

No deviation from these specifications should be permitted unless specifically superseded in the geotechnical report of the project or by written communication signed by the Soils Consultant. Evaluations performed by the Soils Consultant during the course of grading may result in subsequent recommendations which could supersede these specifications or the recommendations of the geotechnical report.

1.0 GENERAL

1.1 The Soils Consultant is the Owner's or Developer's representative on the project. For the purpose of these specifications, observations by the Soils Consultant include observations by the Soils Engineer, Soils Engineer, Engineering Geologist, and others employed by and responsible to the Soils Consultant.

1.2 All clearing, site preparation, or earthwork performed on the project shall be conducted and directed by the Contractor under the **allowance or supervision** of the Soils Consultant.

1.3 The Contractor should be responsible for the safety of the project and satisfactory completion of all grading. During grading, the Contractor shall remain accessible.

1.4 Prior to the commencement of grading, the Soils Consultant shall be employed for the purpose of providing field, laboratory, and office services for conformance with the recommendations of the geotechnical report and these specifications. It will be necessary that the Soils Consultant provide adequate testing and observations so that he may provide an opinion as to determine that the work was accomplished as specified. It shall be the responsibility of the Contractor to assist the Soils Consultant and keep him apprised of work schedules and changes so that he may schedule his personnel accordingly.

1.5 It shall be the sole responsibility of the Contractor to provide adequate equipment and methods to accomplish the work in accordance with applicable grading codes, agency ordinances, these specifications, and the approved grading plans. If, in the opinion of the Soils Consultant, unsatisfactory conditions, such as questionable soil, poor moisture condition, inadequate compaction, adverse weather, etc., are resulting in a quality of work less than required in these specifications, the Soils Consultant will be empowered to reject the work and recommend that construction be stopped until the conditions are rectified.

1.6 It is the Contractor's responsibility to provide safe access to the Soils Consultant for testing and/or grading observation purposes. This may require the excavation of test pits and/or the relocation of grading equipment.

1.7 A final report shall be issued by the Soils Consultant attesting to the Contractor's conformance with these specifications.

2.0 SITE PREPARATION

2.1 All vegetation and deleterious material shall be disposed of off-site. This removal shall be observed by the Soils Consultant and concluded prior to fill placement.

2.2 Soil, alluvium, or bedrock materials determined by the Soils Consultant as being unsuitable for placement in compacted fills shall be removed from the site or used in open areas as determined by the Soils Consultant. Any material incorporated as a part of a compacted fill must be approved by the Soils Consultant prior to fill placement.

2.3 After the ground surface to receive fill has been cleared, it shall be scarified, disced and/or bladed by the Contractor until it is uniform and free from ruts, hollows, hummocks, or other uneven features which may prevent uniform compaction.

The scarified ground surface shall then be brought to optimum moisture, mixed as required, and compacted as specified. If the scarified zone is greater than twelve inches in depth, the excess shall be removed and placed in lifts not to exceed six inches or less.

Prior to placing fill, the ground surface to receive fill shall be observed, tested, and approved by the Soils Consultant.

2.4 Any underground structures or cavities such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells, pipe lines, or others are to be removed or treated in a manner prescribed by the Soils Consultant.

2.5 In cut-fill transition lots and where cut lots are partially in soil, colluvium or unweathered bedrock materials, in order to provide uniform bearing conditions, the bedrock portion of the lot extending a minimum of 5 feet outside of building lines shall be overexcavated a minimum of 3 feet and replaced with compacted fill. Greater overexcavation could be required as determined by Soils Consultant. Typical details are attached.

3.0 COMPACTED FILLS

3.1 Material to be placed as fill shall be free of organic matter and other deleterious substances, and shall be approved by the Soils Consultant. Soils of poor gradation, expansion, or strength characteristics shall be placed in areas designated by Soils Consultant or shall be mixed with other soils to serve as satisfactory fill material, as directed by the Soils Consultant.

3.2 Rock fragments less than six inches in diameter may be utilized in the fill, provided:

- They are not placed or nested in concentrated pockets.
- There is a sufficient amount of approved soil to surround the rocks.
- The distribution of rocks is supervised by the Soils Consultant.

3.3 Rocks greater than twelve inches in diameter shall be taken off-site, or placed in accordance with the recommendations of the Soils Consultant in areas designated as suitable for rock disposal. (A typical detail for Rock Disposal is attached.)

3.4 Material that is spongy, subject to decay, or otherwise considered unsuitable shall not be used in the compacted fill.

3.5 Representative samples of materials to be utilized as compacted fill shall be analyzed by the laboratory of the Soils Consultant to determine their physical properties. If any material other than that previously tested is encountered during grading, the appropriate analysis of this material shall be conducted by the Soils Consultant before being approved as fill material.

3.6 Material used in the compacting process shall be evenly spread, watered, processed, and compacted in thin lifts not to exceed six inches in thickness to obtain a uniformly dense layer. The fill shall be placed and compacted on a horizontal plane, unless otherwise approved by the Soils Consultant.

3.7 If the moisture content or relative compaction varies from that required by the Soils Consultant, the Contractor shall rework the fill until it is approved by the Soils Consultant.

3.8 Each layer shall be compacted to at least 90 percent of the maximum density in compliance with the testing method specified by the controlling governmental agency or ASTM 1557-70, whichever applies.

If compaction to a lesser percentage is authorized by the controlling governmental agency because of a specific land use or expansive soil condition, the area to receive fill compacted to less than 90 percent shall either be delineated on the grading plan and/or appropriate reference made to the area in the geotechnical report.

3.9 All fills shall be keyed and benched through all topsoil, colluvium, alluvium, or creep material, into sound bedrock or firm material where the slope receiving fill exceeds a ratio of five horizontal to one vertical or in accordance with the recommendations of the Soils Consultant.

3.10 The key for side hill fills shall be a minimum width of 15 feet within bedrock or firm materials, unless otherwise specified in the geotechnical report. (See detail attached.)

3.11 Subdrainage devices shall be constructed in compliance with the ordinances of the controlling governmental agency, or with the recommendations of the Soils Consultant. (Typical Canyon Subdrain details are attached.)

3.12 The contractor will be required to obtain a minimum relative compaction of at least 90 percent out to the finish slope face of fill slopes, buttresses, and stabilization fills. This may be achieved by either over building the slope and cutting back to the compacted core, or by direct compaction of the slope face with suitable equipment, or by any other procedure, which produces the required compaction approved by the Soils Consultant.

3.13 All fill slopes should be planted or protected from erosion by other methods specified in the Soils report.

3.14 Fill-over-cut slopes shall be properly keyed through topsoil, colluvium or creep material into rock or firm materials, and the transition shall be stripped of all soil prior to placing fill. (See attached detail.)

4.0 CUT SLOPES

4.1 The Soils Consultant shall inspect all cut slopes at vertical intervals exceeding five feet.

4.2 If any conditions not anticipated in the geotechnical report such as perched water, seepage, lenticular or confined strata of a potentially adverse nature, unfavorably inclined bedding, joints or fault planes encountered during grading, these conditions shall be analyzed by the Soils Consultant, and recommendations shall be made to mitigate these problems. (Typical details for stabilization of a portion of a cut slope are attached.)

4.3 Cut slopes that face in the same direction as the prevailing drainage shall be protected from slope wash by a non-erodible interceptor swale placed at the top of the slope.

4.4 Unless otherwise specified in the geotechnical report, no cut slopes shall be excavated higher or steeper than that allowed by the ordinances of controlling governmental agencies.

4.5 Drainage terraces shall be constructed in compliance with the ordinances of controlling governmental agencies, or with the recommendations of the Soils Consultant.

5.0 TRENCH BACKFILLS

5.1 Trench excavation shall be inspected prior to structure placement for competent bottom.

5.2 Trench excavations for utility pipes shall be backfilled under the supervision of the Soils Consultant.

5.3 After the utility pipe has been laid, the space under and around the pipe shall be backfilled with clean sand or approved granular soil to a depth of at least one foot over the top of the pipe. The sand backfill shall be uniformly jetted into place before the controlled backfill is placed over the sand.

5.4 The on-site materials, or other soils approved by the Soils Consultant, shall be watered and mixed, as necessary, prior to placement in lifts over the sand backfill.

5.5 The controlled backfill shall be compacted to at least 90 percent of the maximum laboratory density, as determined by the ASTM D1557-70 or the controlling governmental agency.

5.6 Field density tests and inspection of the backfill procedures shall be made by the Soils Consultant during backfilling to see that proper moisture content and uniform compaction is being maintained. The contractor shall provide test holes and exploratory pits as required by the Soils Consultant to enable sampling and testing.

6.0 GRADING CONTROL

6.1 Inspection of the fill placement shall be provided by the Soils Consultant during the progress of grading.

6.2 In general, density tests should be made at intervals not exceeding two feet of fill height or every 500 cubic yards of fill placed. This criteria will vary depending on soil conditions and the size of the job. In any event, an adequate number of field density tests shall be made to verify that the required compaction is being achieved.

6.3 Density tests should also be made on the native surface material to receive fill, as required by the Soils Consultant.

6.4 All clean-out, processed ground to received fill, key excavations, subdrains, and rock disposals should be inspected and approved by the Soils Consultant prior to placing any fill. It shall be the Contractor's responsibility to notify the Soils Consultant when such areas will be ready for inspection.

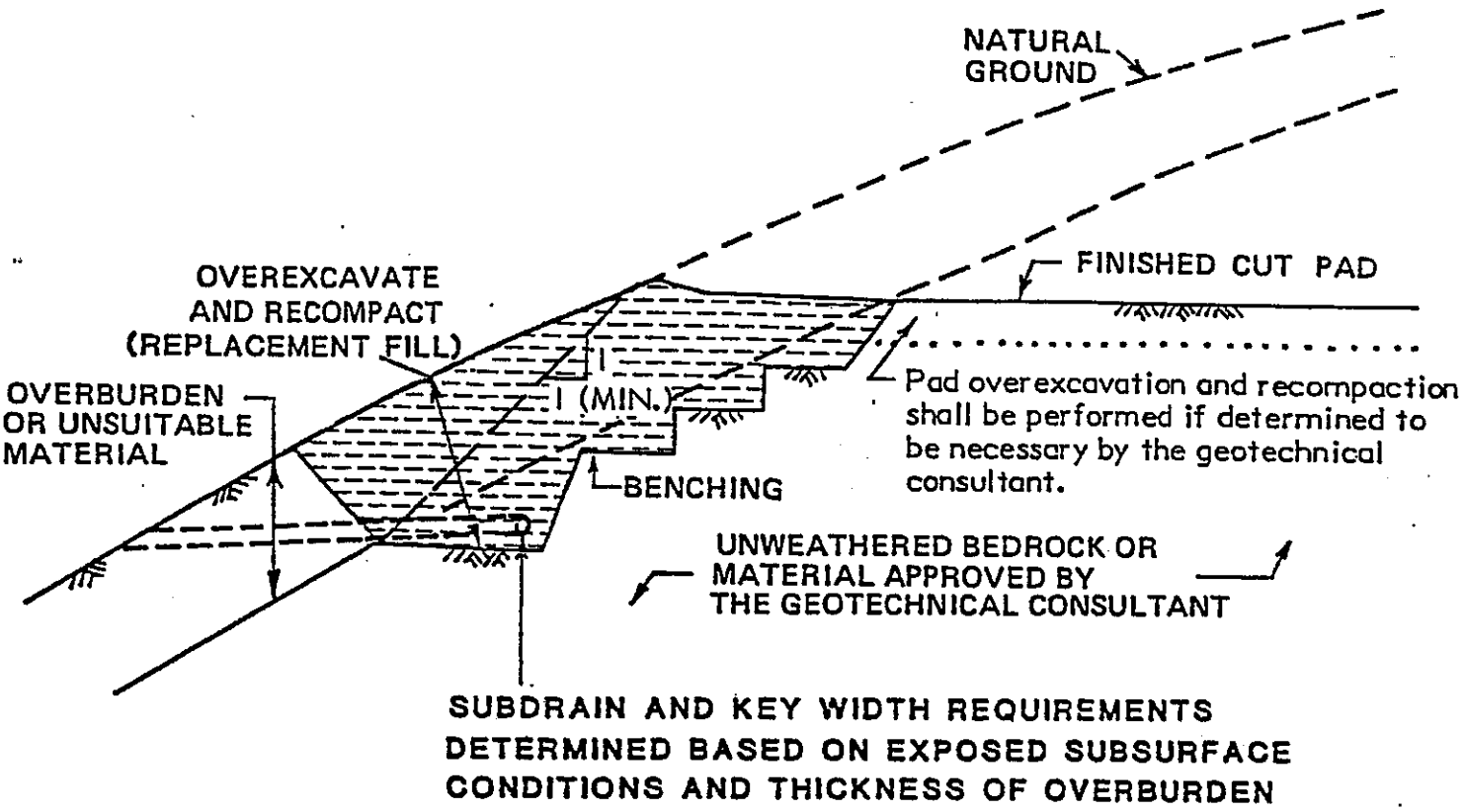
7.0 CONSTRUCTION CONSIDERATIONS

7.1 Erosion control measures, when necessary, shall be provided by the Contractor during grading and prior to the completion and construction of permanent drainage controls.

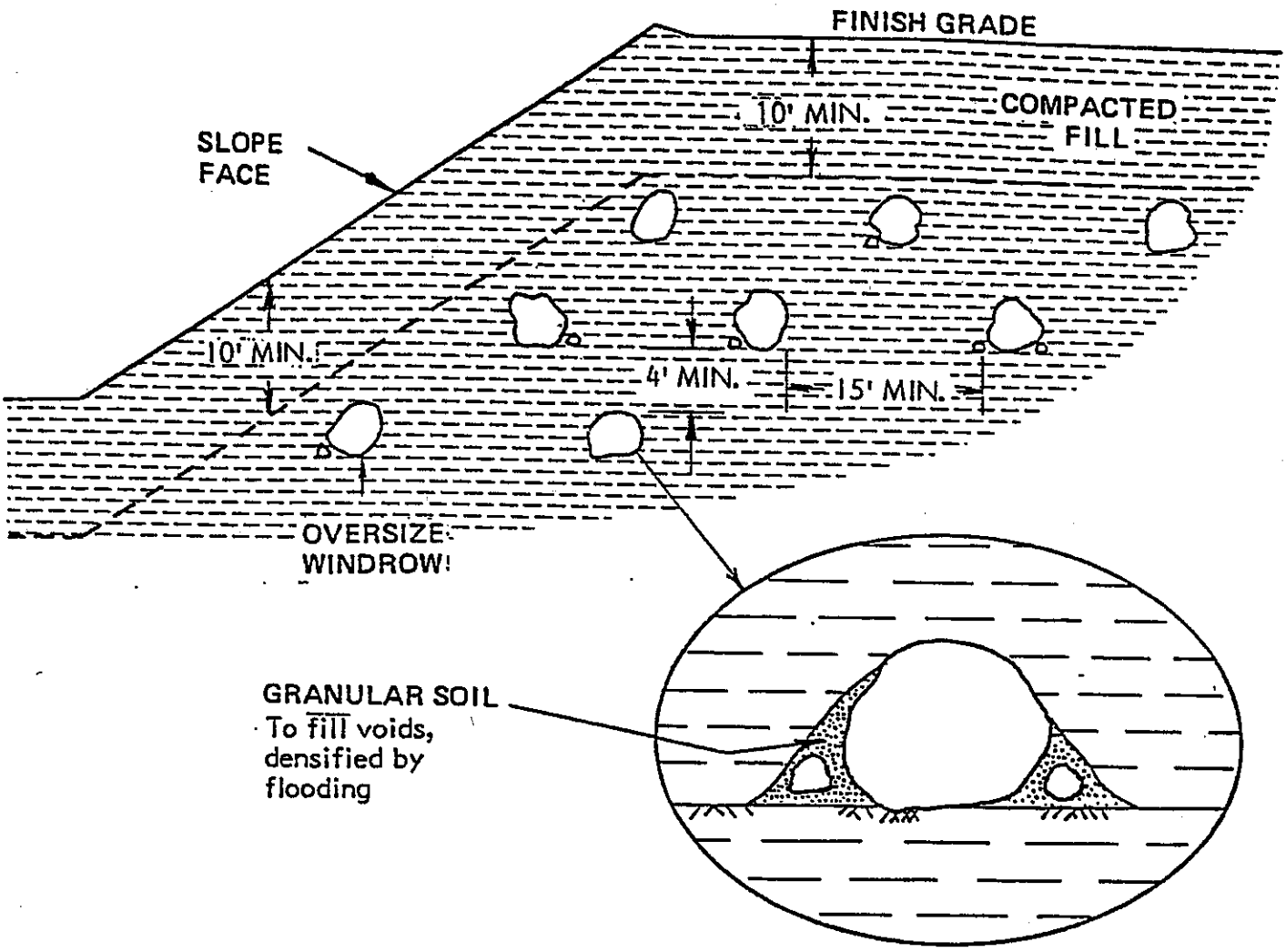
7.2 Upon completion of grading and termination of inspections by the Soils Consultant, no further filling or excavating, including that necessary for footings foundations, large tree wells, retaining walls, or other features shall be performed without the approval of the Soils Consultant.

7.3 Care shall be taken by the Contractor during final grading to preserve any berms, drainage terraces, interceptor swales, or other devices of permanent nature on or adjacent to the property.

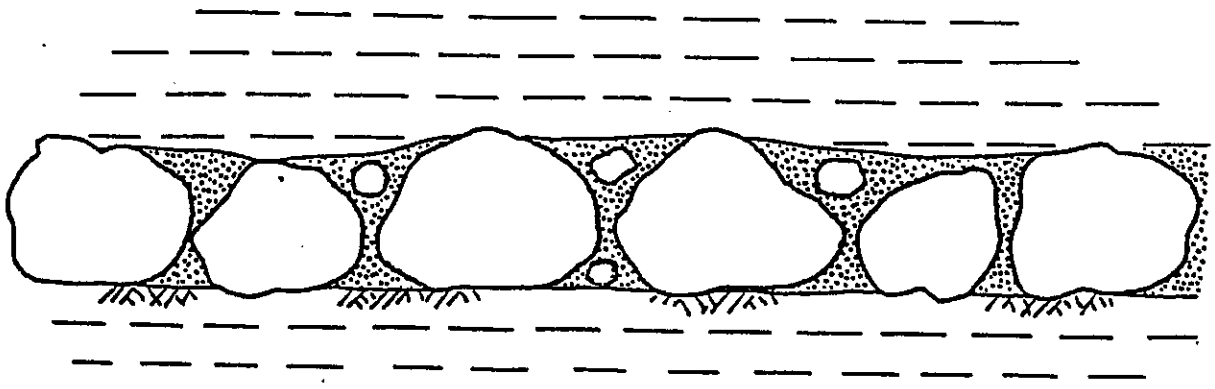
SIDE HILL
CUT PAD DETAIL



ROCK DISPOSAL DETAIL

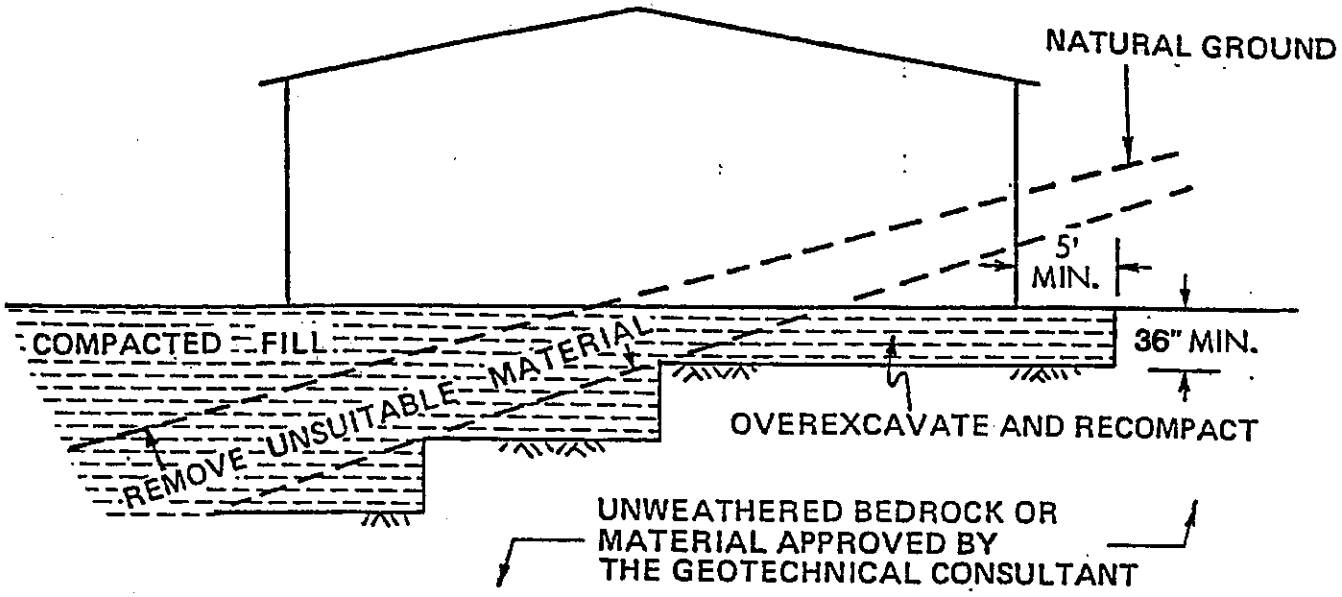


PROFILE ALONG WINDROW

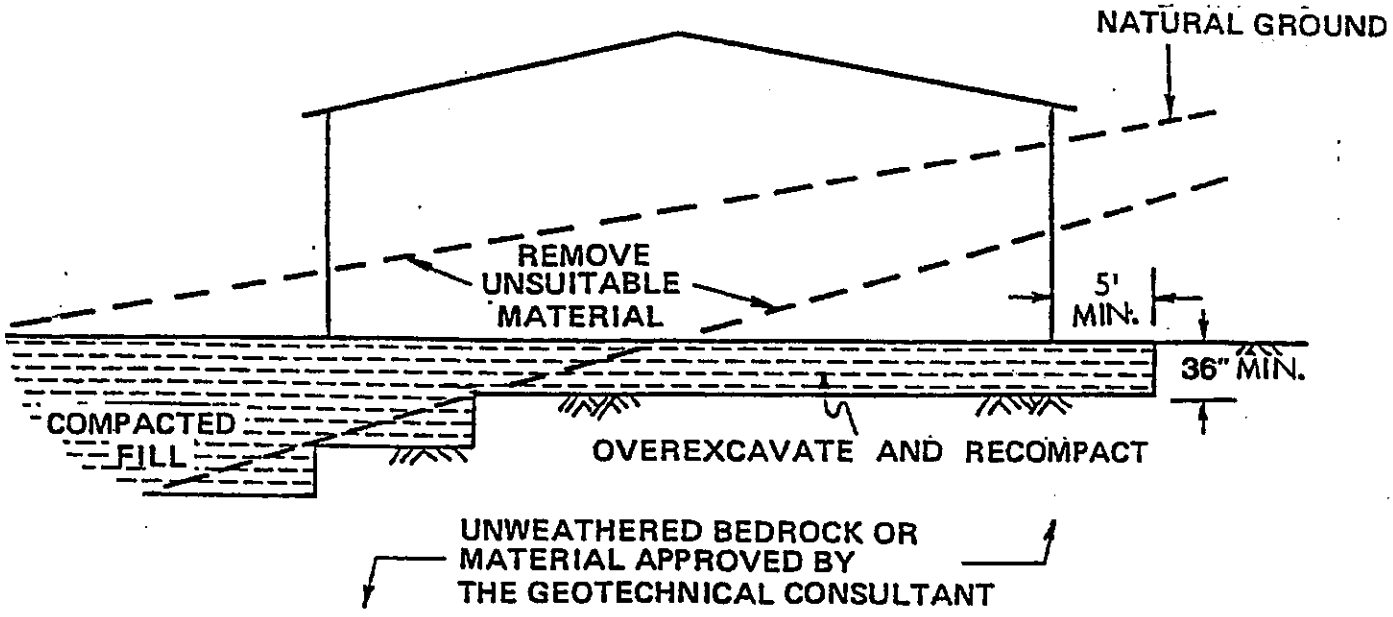


TRANSITION LOT DETAILS

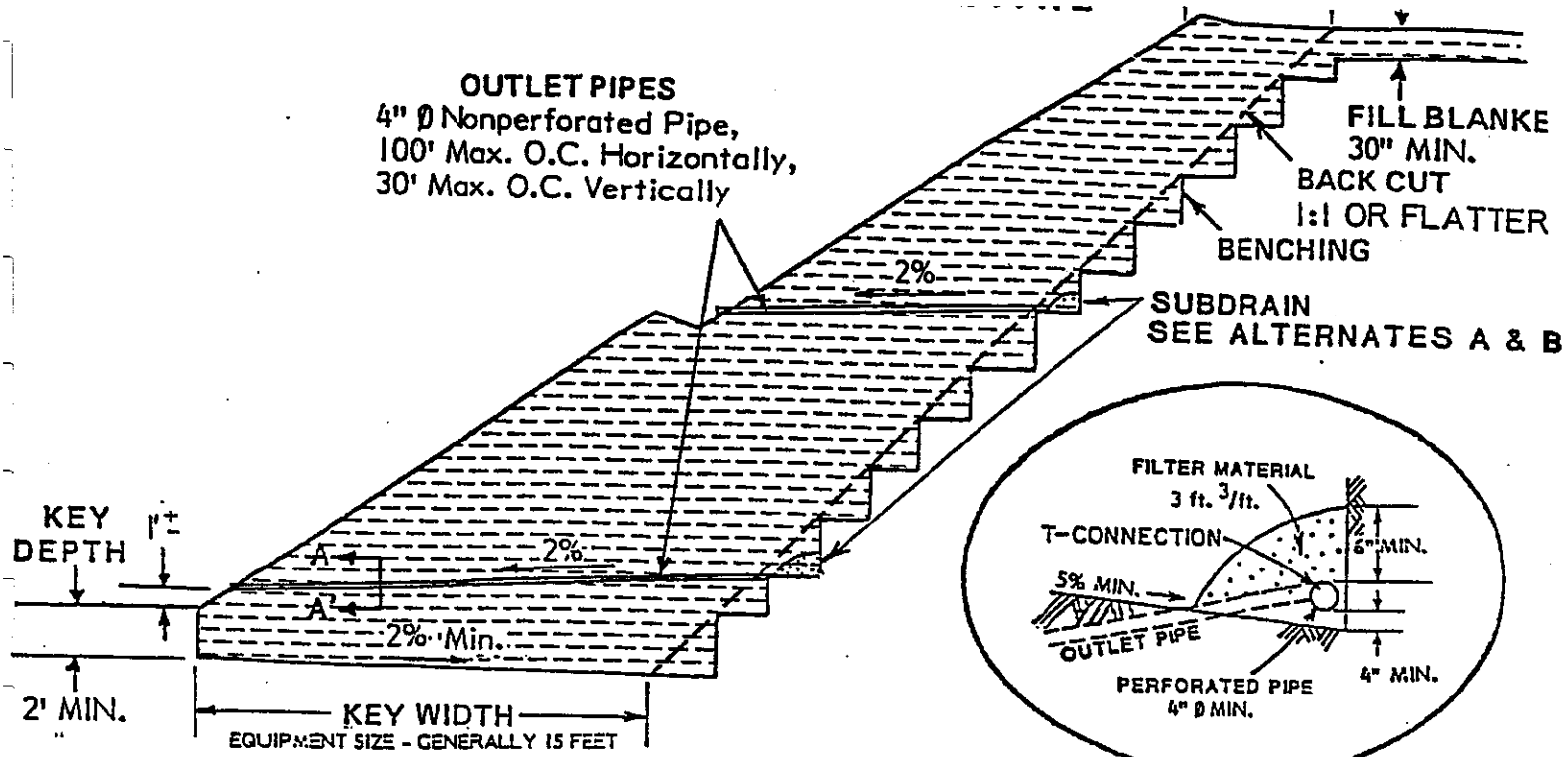
CUT-FILL LOT



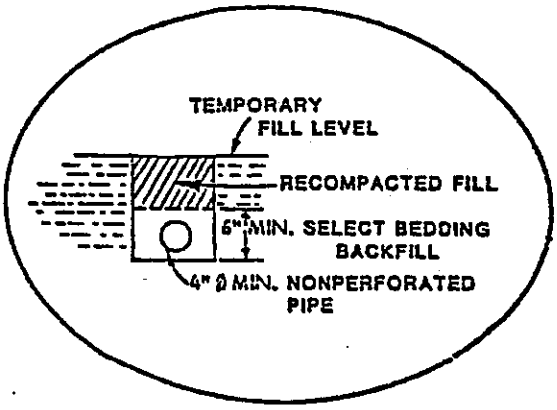
CUT LOT



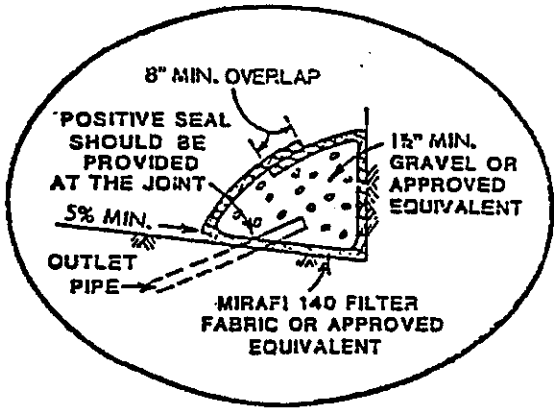
NOTE:
Deeper overexcavation and recompaction shall be performed if determined to be necessary by the geotechnical consultant.



ALTERNATE A



DETAIL A-A'



ALTERNATE B

NOTES :

- Fill blanket, back cut, key width and key depth are subject to field change, per report/plans.
- Key heel subdrain, blanket drain, or vertical drain may be required at the discretion of the geotechnical consultant.
- SUBDRAIN INSTALLATION - Subdrain pipe shall be installed with perforations down or, at locations designated by the geotechnical consultant, shall be nonperforated pipe.
- SUBDRAIN TYPE - Subdrain type shall **be ASTM D2751, SDR 23.5 or ASTM D1527, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) or ASTM D3034 SDR 23.5 or ASTM D1785, Schedule 40 Polyvinyl Chloride Plastic (PVC) pipe or approved equivalent.**

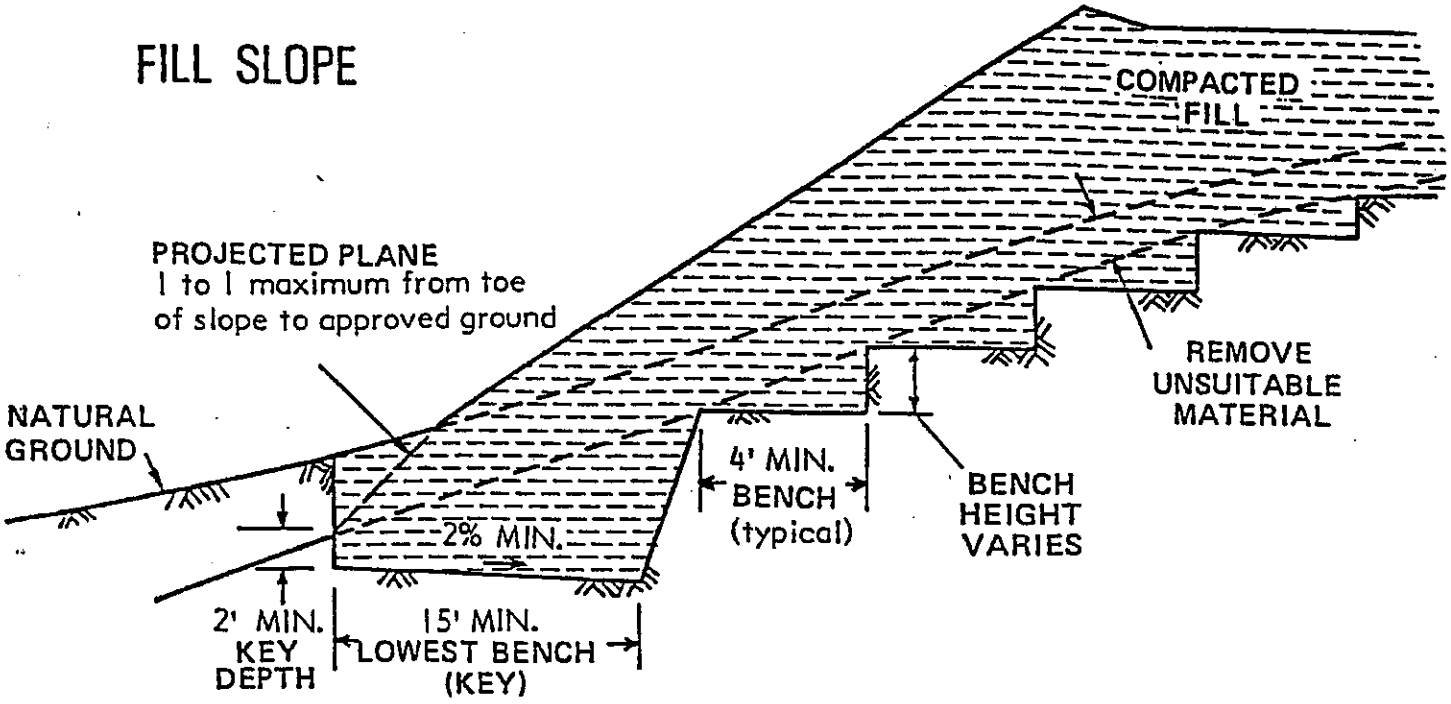
FILTER MATERIAL:

Filter material shall be Class 2 permeable material per State of California Standard Specifications, or approved alternate. Class 2 grading as follows:

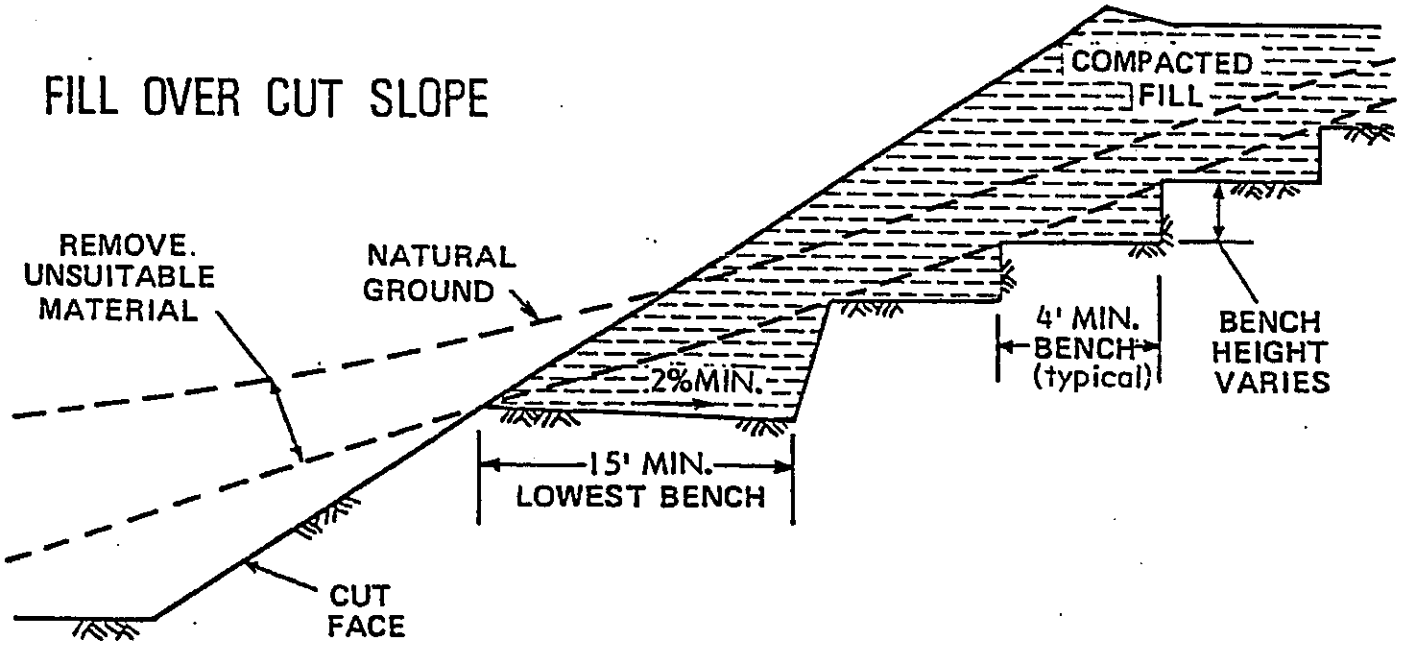
SIEVE SIZE	PERCENT PASSING
1"	100
3/4"	90-100
3/8"	40-100
No. 4	25-40
No. 8	18-33
No. 30	5-15
No. 50	0-7
No. 200	0-3

BENCHING DETAILS

FILL SLOPE



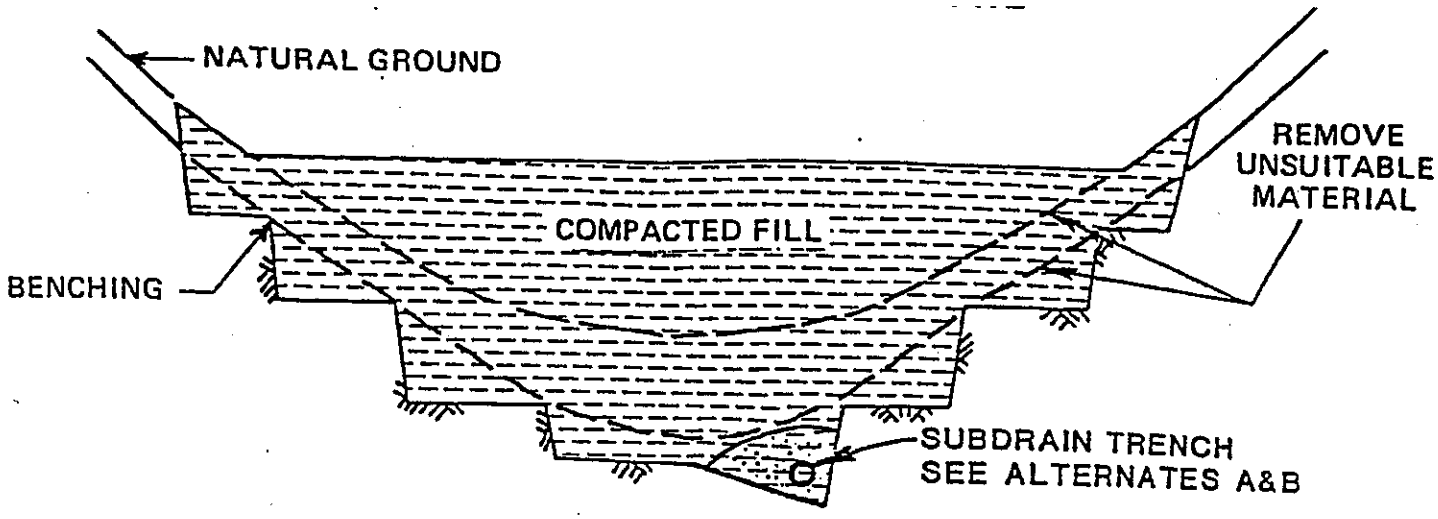
FILL OVER CUT SLOPE



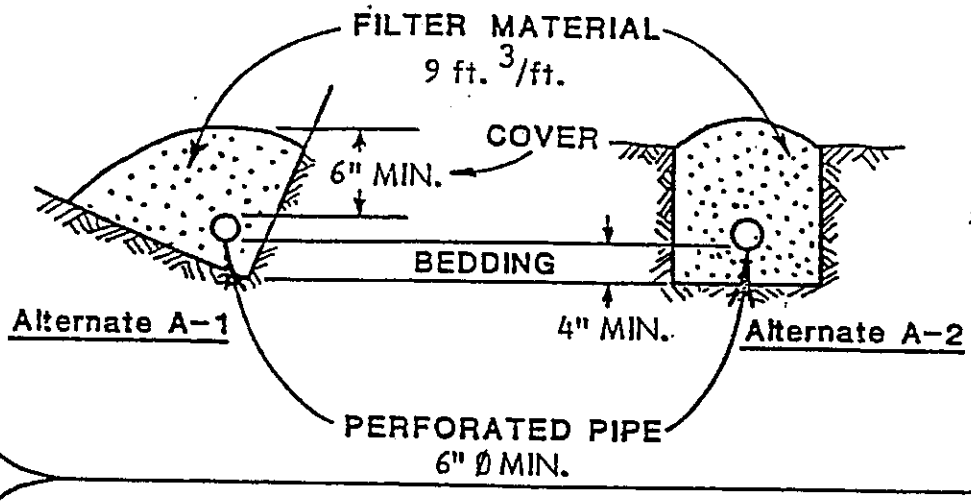
NOTES:

LOWEST BENCH: Depth and width subject to field change based on consultant's inspection.

SUBDRAINAGE: Back drains may be required at the discretion of the geotechnical consultant.



SUBDRAIN ALTERNATE A: Perforated Pipe Surrounded With Filter Material

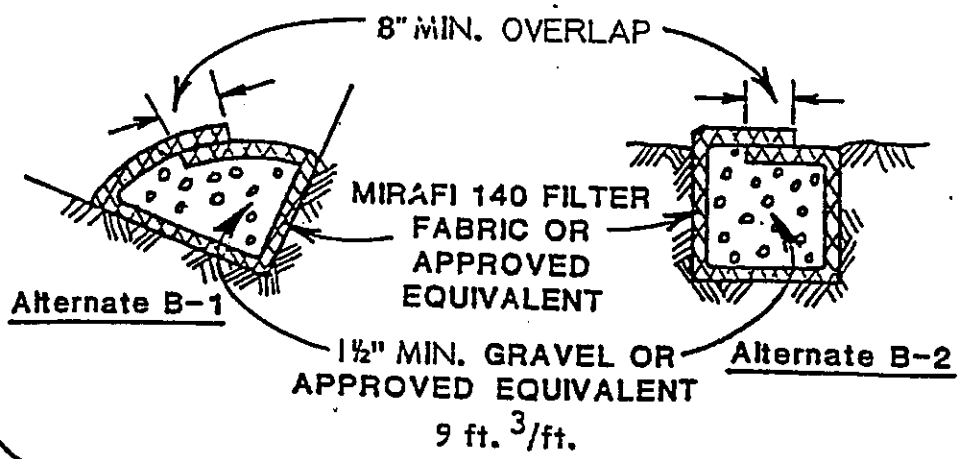


FILTER MATERIAL:

Filter material shall be Class 2 permeable material per State of California Standard Specifications, or approved alternate. Class 2 grading as follows:

SIEVE SIZE	PERCENT PASSING
1"	100
3/4"	90-100
3/8"	40-100
No. 4	25-40
No. 8	18-33
No. 30	5-15
No. 50	0-7
No. 200	0-3

SUBDRAIN ALTERNATE B: 1 1/2" Gravel Wrapped in Filter Fabric



NOTE:

In addition to the wrapped gravel, outlet portion of the subdrain should be equipped with a minimum of 10 feet long perforated pipe connected to a nonperforated pipe having a minimum of 5 feet in length inside the wrapped gravel.

- SUBDRAIN INSTALLATION - Subdrain pipe shall be installed with perforations down or, at locations designated by the geotechnical consultant, shall be nonperforated pipe.

- **SUBDRAIN TYPE - Subdrain type shall be ASTM D2751, SDR 23.5 or ASTM D1527, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) or ASTM D3034 SDR 23.5 or ASTM D1785, Schedule 40 Polyvinal Chloride Plastic (PVC) pipe or approved equivalant.**

GEO 02238

RESPONSE TO COMMENTS

NUMBER OF PAGES: 6

T.H.E. Soils Co., Inc.

P.O. Box # 848, Wildomar, CA 92595
Phone: (951) 894-2121 FAX: (951) 894-2122

E-mail: thesoilsco@aol.com

February 15, 2011

GEO02238

Mr. Dave Jones
Riverside County Planning Department
P.O. Box 1409
Riverside County, California 92502-1409

SUBJECT: **RESPONSE TO COUNTY OF RIVERSIDE PLANNING DEPARTMENTS "REVIEW COMMENTS" GEO02238 CITY OF MENIFEE CASE NO. PP2011-003**
Proposed Trumble Office & Equipment Storage
APN: 331-150-044, 5± Acres
Antelope Road
City of Menifee, Riverside County, California
Work Order No. 14571001.00R

Dear Mr. Jones:

We have prepared this letter in response to the above referenced "Review Comments" letter prepared by the County of Riverside Planning Department for the City of Menifee dated February 10, 2011. The report was reviewed by GEOPACIFICA Geotechnical Consultants for the County of Riverside Planning Department on February 3, 2011. For clarification, we have reiterated the review comments followed by our response.

ITEM NO. 1:

Hydroconsolidation was not addressed in the geotechnical/seismic hazards section of the report. Please address. If determined to be an issue, please provide mitigation recommendations.

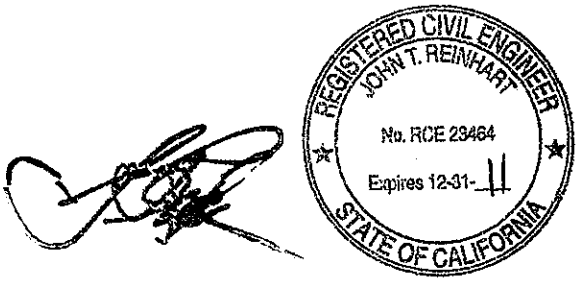
RESPONSE ITEM NO 1:

The need for consolidation testing was carefully evaluated both during the drilling and laboratory testing phases of our investigation. Based on our appraisal of blow counts (N), in-place densities, and soil classification of the in-situ materials, it is our opinion that due to the generally high number of blow counts and relatively high in-place densities of the Old Alluvial Fan Deposits, consolidation testing was either not required or would not adequately reflect hydrocollapse potential. We anticipate that due to the high number of blow counts (generally 30 blows/foot and above) in the in-situ earth materials, minor sample disturbance has occurred and consolidation testing would not adequately reflect accurate percentage of collapse. Standard penetration resistance relationships among relative density and descriptive relative density (Mitchell and Katti, 1981) indicates materials with blow counts between 30 and 50 and above 50 indicate materials that are dense to very dense, respectively. Based on the above, we determined that the hydrocollapse potential of the underlying silts and silty sands is low.

During our review of the referenced report, we observed that the number of blow counts were inadvertently omitted on our boring log for samples taken at depths of 40, 45 and 50-ft within exploratory boring B-1. The corrected log is presented as **Figure 1** of this response letter.

Respectfully,

T.H.E. Soils Company, Inc.



John P. Frey
Project Geologist

John T. Reinhart, RCE 23464
Civil Engineer, Expires 12-31-11

ATTACHMENTS

Appendix A – References
Figure 1 – Exploratory Boring Log

APPENDIX A

References

REFERENCES

County of Riverside, Planning Department, Dated February 10, 2010, Review Comments: GEO02238, City of Menifee Case No. PP2011-003 - "Preliminary Geotechnical Investigation, Proposed Trumble Road Office & Equipment Storage APN: 331-150-044, 5± Acres, Antelope Road, City of Menifee, Riverside County, California", Work Order No. 14571001.00, dated December 16, 2010.", prepared by T.H.E. Soils Co., Inc.

Department of Water Resources, Southern District, April 1978, "Water Resources Evaluation of the San Jacinto Area", District Report.

Mitchell, James K. and Katti, R.K., 1981, "Soil improvement: State-of-the-Art", Proceedings, 10th International Conference on Soil Mechanics and Foundation Engineering, Stockholm.

Morton, D.M., 2004, "Preliminary Digital Geologic Map of the Santa Ana 30' x 60' Quadrangle Southern California" Version 2.0, U.S. Geological Survey in Cooperation with the California Geological Survey, Open-File Report 99-172, Scale: 1:100,000.

Morton, Douglas M., 2003, "Geologic Map of the Romoland 7.5' Quadrangle, Riverside County, California", USGS Open-File Report 03-102, Scale 1" = 2,000'.

Morton, Douglas M., 1991, "Geologic Map of the Romoland 7.5' Quadrangle, Riverside County, California", USGS Open-File Report 90-701, Scale 1" = 2,000'.

T.H.E. Soils Company, Inc., 2010, "Preliminary Geotechnical Investigation, Proposed Trumble Road Office & Equipment Storage APN: 331-150-044, 5± Acres, Antelope Road, City of Menifee, Riverside County, California", Work Order No. 14571001.00, dated December 16, 2010.

AERIAL PHOTOGRAPHS UTILIZED

YEAR/SCALE	FLIGHT #/FRAME #	AGENCY
1974/1"=2,000'	Co. Flight/ 880 - 882, 962	Riv Co Flood Control
1980/1"=2,000'	Co. Flight/ 909-911	Riv Co Flood Control
1980/1"=2,000'	Co. Flight/ 987, 988	Riv Co Flood Control
1983/1"=1,600'	Co. Flight/ 354-356	Riv Co Flood Control
1990/1"=1,600'	Co. Flight/ 18-27 - 18-29	Riv Co Flood Control
1995/1"=1,600'	Co. Flight/ 17-28, 17-29	Riv Co Flood Control
1995/1"=1,600'	Co. Flight/ 18-25, 18-26	Riv Co Flood Control
2000/1"=1,600'	Co. Flight/ 17-28, 17-29	Riv Co Flood Control
2000/1"=1,600'	Co. Flight/ 18-28	Riv Co Flood Control

LOGGED BY: JPF

METHOD OF EXCAVATION: MOBILE # B-61 TRUCK MOUNTED DRILL RIG EQUIPPED W/ 4" HOLLOW STEM AUGERS
ELEVATION: ± 1438

DATE OBSERVED: 10/20/10

LOCATION: SEE GEOTECHNICAL MAP

TEST PIT NO. B-1

DEPTH (FEET)	CLASSIFICATION	BLOWS/FOOT	UNDISTURBED SAMPLE	BULK SAMPLE	MOISTURE CONTENT(%)	INPLACE DRY DENSITY (PCF)	DESCRIPTION	SOIL TEST
		35						
							SILT (ML): ORANGE BROWN, DENSE, TRACE SAND, SLIGHTLY MOIST	MOISTURE DENSITY
45								
		48					SILT (ML): ORANGE BROWN, DENSE, SLIGHTY MOIST, SANDY IN PART	SA (200 WASH)
50								
		45			88.0		SILT (ML): ORANGE BROWN, AS ABOVE	SA (200 WASH)
							TOTAL DEPTH = 51.5 FT	
							NO GROUND WATER	
55							**NO CAVING**	
60								
75								
80								
85								
90								

JOB NO: 14571001.00

LOG OF TEST PIT

FIGURE: B-1

GEO 02238

COUNTY COMMENTS
LETTER(S)

NUMBER OF PAGES: 13

RIVERSIDE COUNTY
PLANNING DEPARTMENT

Carolyn Syms Luna
Director

February 10, 2011 Pages 6 (including this cover)

City of Menifee
Fax: (951) 679-3843
Attention: Lisa Gordon

RE: Review Comments
GEO02238
City of Menifee Case No. PP2011-003

County Geologic Report (GEO) No. 2238 submitted for this project (City of Menifee PP2011-003) was prepared by T.H.E. Soils Co., Inc. and is entitled "Preliminary Geotechnical Investigation, Proposed Trumble Road Office & Equipment Storage, APN No. 331-150-044, 5+/- Acres, Antelope Road, City of Menifee, Riverside County, California", dated December 16, 2010.

Prior to scheduling this project for public hearing, clarification and/or additional information, relative to the issues enumerated by Geopacifica in their February 3, 2011 Geotechnical Report Review Check Corrections memo, shall be submitted to the County Geologist for review and approval.

Thank you for the opportunity to review this case for the City of Menifee. Please call me at (951) 955-6863 if you have any questions.

RIVERSIDE COUNTY PLANNING DEPARTMENT
Carolyn Syms Luna, Planning Director

David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

Attachments: Geotechnical Report Review Check Corrections Memo

cc: Geologist: John Frey, T.H.E. Soils Co., Fax: (951) 894-2122
Larry Ross
File: GEO02238

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RIVERSIDE COUNTY
PLANNING DEPARTMENT

Carolyn Syms Luna
Director

February 10, 2011

Pages 6 (including this cover)

City of Menifee
Fax: (951) 679-3843
Attention: Lisa Gordon

RE: Review Comments
GEO02238
City of Menifee Case No. PP2011-003

County Geologic Report (GEO) No. 2238 submitted for this project (City of Menifee PP2011-003) was prepared by T.H.E. Soils Co., Inc. and is entitled "Preliminary Geotechnical Investigation, Proposed Trumble Road Office & Equipment Storage, APN No. 331-150-044, 5+/- Acres, Antelope Road, City of Menifee, Riverside County, California", dated December 16, 2010.

Prior to scheduling this project for public hearing, clarification and/or additional information, relative to the issues enumerated by Geopacifica in their February 3, 2011 Geotechnical Report Review Check Corrections memo, shall be submitted to the County Geologist for review and approval.

Thank you for the opportunity to review this case for the City of Menifee. Please call me at (951) 955-6863 if you have any questions.

RIVERSIDE COUNTY PLANNING DEPARTMENT
Carolyn Syms Luna, Planning Director

David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

Attachments: Geotechnical Report Review Check Corrections Memo

cc: Geologist: John Frey, T.H.E. Soils Co., Fax: (951) 894-2122
Larry Ross
File: GEO02238

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Riverside Office · 4080 Lemon Street, 12th Floor
P.O. Box 1409, Riverside, California 92502-1409
(951) 955-3200 · Fax (951) 955-3157

Desert Office · 38686 El Cerrito Road
Palm Desert, California 92211
(760) 863-8277 · Fax (760) 863-7555

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P.1 Feb 15 2011 8:48

** Transmit Conf. Report **

CO OF RIVERSIDE EPD Fax:951-955-0090

GEOPACIFICA
GEOTECHNICAL
CONSULTANTS

RIVERSIDE COUNTY PLANNING DEPARTMENT
GEOTECHNICAL REPORT REVIEW CHECK CORRECTIONS

GEO 2238

February 3, 2011

Mr. David L. Jones
Planning Department
County of Riverside, California

On January 25, 2010, I received and reviewed the following documents:

1. Preliminary Geotechnical Investigation, Proposed Trumble Office & Equipment Storage, APN No. 331-150-044, Antelope Road, City of Menifee, Riverside County, CA, by T.H.E. Soils Co., Inc., dated December 16, 2010

I also utilized the following documents for the technical review of documents 1 & 2:

2. Technical Guidelines for Review of Geotechnical and Geologic Reports; County of Riverside, 2000 edition, Transportation and Land Management Agency, Building and Safety Department, Planning Department, Transportation Department.

3. Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A, California Division of Mines and Geology, 1997, Revised 2008

The purpose of our review is to check that the submitted documents provide soil/geologic data/information to meet the standards of practice within, and guidelines for reports of, Riverside County, California and any requirements and standards set by the State of California for Geologic, Seismic and Engineering reports. As a note, acceptance and/or approval of the consultant report at the Planning level does not guarantee or constitute acceptance/approval for grading or a grading permit. Response to certain review items will be required at the submittal/review level for Building and Safety for acceptance/approval for grading and grading permits.

3060
INDUSTRY ST
SUITE 105
OCEANSIDE
CA 92054
TEL: 760.721.5488
FAX: 760.721.5539

GEOPACIFICA
GEOTECHNICAL
CONSULTANTS

Based on our review (See Appendix A), the geotechnical document #1, prepared and submitted for the proposed Trumble Office Building and Storage Area in the Menifee Area of Riverside County, CA, GEO 2238 **does not** provide adequate soil/geologic data/information to meet the minimum Planning Department guidelines for Riverside County and **is not** approved for entitlement purposes. The following items need to be addressed and submitted for review and approval:

1. Hydroconsolidation was not addressed in the geotechnical/seismic hazards section of the report. Please address. If determined to be an issue, please provide mitigation recommendations.

If you have any questions, please do not hesitate to contact us.

Respectfully,

James F. Knowlton
RCE 55754/CEG 1045

APPENDIX A

COUNTY OF RIVERSIDE
REPORT REVIEW CHECKLIST
GEOTECHNICAL REPORT
GEO2238

Report By: T.H.E. Soils Co., Inc.

1. Title of Report: Preliminary Geotechnical Investigation, Proposed Trumble Office and Equipment Storage, APN No. 331-150-044, Antelope Road, City of Menifee, Riverside County, California, dated December 16, 2010

2. Purpose of Report: Geotechnical Report for Grading and Construction

3. Accepted for Review? Yes X No _____
   If no, why? _____

4. Adequate Index/Base Maps? Yes X No _____
   If no, what is needed? _____

5. General Scope of Report Adequate? Yes X No _____
   If no, what is needed? _____

6. Adequate Geotechnical Map? Yes X No _____
   If no, what is wrong? _____

7. Adequate cross-sections? Yes _____ No _____
   If no, explain: N/A , no cross-sections

8. Any internal inconsistencies between maps, logs, cross-sections?
   Yes _____ No N If yes, explain: _____

9. Is Laboratory Work Adequate and Appropriate? Yes X No _____
   If no, explain: _____

10. Is Analysis of Data Appropriate and Correct? Yes __X__ No _____

11. Are Conclusions Reached and Recommendations Made Appropriate and Correct?
Yes __X__ No _____ If no, explain: _____

12. Has Liquefaction, Seismic Shaking, Hydro Consolidation and Seismic Settlement been Analyzed and Addressed Accurately Yes _____ No __X__

13. Has UBC 2007 foundation Analysis and Recommendation been Addressed? Yes _X_ No___

14. Is Report Approved (Accepted) as Adequate? Yes _____No __X__
If no, state reason (s): __Need to Address hydroconsolidation_____

15. Miscellaneous Comments:

REVIEWED BY: GEOPACIFICA, INC.

James F. Knowlton

JAMES F. KNOWLTON
RCE 55754 / CEG 1045

RIVERSIDE COUNTY
PLANNING DEPARTMENT

Carolyn Syms Luna
Director

January 20, 2011

Pages 1 (including this cover)

City of Menifee
Fax: (951) 679-3843
Attention: Lisa Gordon

RE: City of Menifee PP2011-003 Trumble Office and Warehouse Project

We are in receipt of the case exhibits and transmittal for the subject tract maps. The following comments are based on my review of this map and the County's databases:

1. The site is located in the County's subsidence potential zone and low liquefaction potential zone.
2. The site is located in the County's zone of high potential for paleontological resources at shallow depth.
3. The site is located in an area classified as MRZ -3 for mineral resources.
4. The site is not designated as being of regional or statewide significance for mineral resources.

Based on the above and the County's General Plan policies and current practice, the following is required and/or recommended for this proposed tract map:

1. A County geologic study (GEO) should be submitted, reviewed and approved by the County Geologist prior to approving this project.
2. The plot plan should be conditioned for a Paleontological Resources Impact Mitigation Program (PRIMP) for "Prior to Grading Permits" as well as a report of the monitoring program "Prior to Building final".
3. It appears the impact to mineral resources would be less than significant.

Please call me at (951) 955-6863 if you have any questions.

Sincerely,

RIVERSIDE COUNTY PLANNING DEPARTMENT
Carolyn Syms Luna, Director

David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

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** Transmit Confirmation Report **

P.1
PLANNING Fax:951-955-0923 Jan 20 2011 03:03pm

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RIVERSIDE COUNTY
PLANNING DEPARTMENT

Carolyn Syms Luna
Director

January 20, 2011

Pages 1 (including this cover)

City of Menifee
Fax: (951) 679-3843
Attention: Lisa Gordon

RE: City of Menifee PP2011-003 Trumble Office and Warehouse Project

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2. The site is located in the County's zone of high potential for paleontological resources at shallow depth.
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3. It appears the impact to mineral resources would be less than significant.

Please call me at (951) 955-6863 if you have any questions.

Sincerely,

RIVERSIDE COUNTY PLANNING DEPARTMENT
Carolyn Syms Luna, Director

David L. Jones, CEG No. 2283
Chief Engineering Geologist, TLMA-Planning

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Riverside Office · 4080 Lemon Street, 12th Floor
P.O. Box 1409, Riverside, California 92502-1409
(951) 955-3200 · Fax (951) 955-3157

Desert Office · 38686 El Cerrito Road
Palm Desert, California 92211
(760) 863-8277 · Fax (760) 863-7555

RIVERSIDE COUNTY
PLANNING DEPARTMENT

Carolyn Syms Luna
Director

DATE: January 25, 2011

TO: Jim Knowlton
Geopacifica

FROM: David L. Jones
Planning Department
County of Riverside
(951) 955-6863

RE: Request for Technical Review
GEO No. 2238

Dear Jim:

I am forwarding the report for Menifee Project PP 2011-003 (Please bill ZPL7601) for the above referenced GEO report. Please review the report for its geotechnical content relative to the proposed project (note: this is not for issuance of grading permits) and provide your comments as appropriate.

Your assistance is greatly appreciated.

Please let me know if you need any additional information.

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RIVERSIDE COUNTY
PLANNING DEPARTMENT

Carolyn Syms Luna
Director

DATE: February 24, 2011

TO: Jim Knowlton
Geopacifica

FROM: David L. Jones
Planning Department
County of Riverside
(951) 955-6863

RE: Request for Technical Review
Response to Comments
GEO No. 2238

Dear Jim:

Please see the attached response to previous review comments. Please review the response and provide your approval or additional comments as appropriate.

Your assistance is greatly appreciated.

Please let me know if you need any additional information.

Note: Please Bill ZPL7601 (Menifee Project PP2011-003)

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GEOPACIFICA
GEOTECHNICAL
CONSULTANTS

RIVERSIDE COUNTY PLANNING DEPARTMENT
GEOTECHNICAL REPORT REVIEW CHECK CORRECTIONS

GEO 2238#2

RECEIVED
MAR 14 2011
ADMINISTRATION
RIVERSIDE COUNTY
PLANNING DEPARTMENT

February 28, 2011

Mr. David L. Jones
Planning Department
County of Riverside, California

On February 24, 2011, I received and reviewed the following documents:

1. Preliminary Geotechnical Investigation, Proposed Trumble Office & Equipment Storage, APN No. 331-150-044, Antelope Road, City of Menifee, Riverside County, CA, by T.H.E. Soils Co., Inc., dated December 16, 2010
2. Response to County of Riverside Planning Departments "Review Comments" GEO2238, City of Menifee Case No. PP2011-003, Proposed Trumble Office & Equipment Storage, Antelope Road, City of Menifee, Riverside County, California, by T.H.E. Soils Co., Inc., dated February 15, 2011

I also utilized the following documents for the technical review of documents 1 & 2:

3. Technical Guidelines for Review of Geotechnical and Geologic Reports; County of Riverside, 2000 edition, Transportation and Land Management Agency, Building and Safety Department, Planning Department, Transportation Department.
4. Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A, California Division of Mines and Geology, 1997, Revised 2008

The purpose of our review is to check that the submitted documents provide soil/geologic data/information to meet the standards of practice within, and guidelines for reports of, Riverside County, California and any requirements and standards set by the State of California for Geologic, Seismic and Engineering reports. As a note, acceptance and/or approval of the consultant report at the Planning level does not guarantee or constitute acceptance/approval for grading or a grading permit. Response to certain review items will be required at the submittal/review level for Building and Safety for acceptance/approval for grading and grading permits.

3060
INDUSTRY ST
SUITE 105
OCEANSIDE
CA 92054
TEL: 760.721.5488
FAX: 760.721.5539

GEOPACIFICA
GEOTECHNICAL
CONSULTANTS

Based on our review of the geotechnical documents, prepared and submitted for the proposed Trumble Office Building and Storage Area in the Menifee Area of Riverside County, CA, GEO 2238 **does** provide adequate soil/geologic data/information to meet the minimum Planning Department guidelines for Riverside County and **is** approved for entitlement purposes.

If you have any questions, please do not hesitate to contact us.

Respectfully,

James F. Knowlton

James F. Knowlton
RCE 55754/CEG 1045

Thomas, Margaret

From: Records <records@RIVCO.ORG>
Sent: Monday, February 22, 2021 10:49 AM
To: Thomas, Margaret
Subject: 331-150-037 & 044

Hello Thomas,

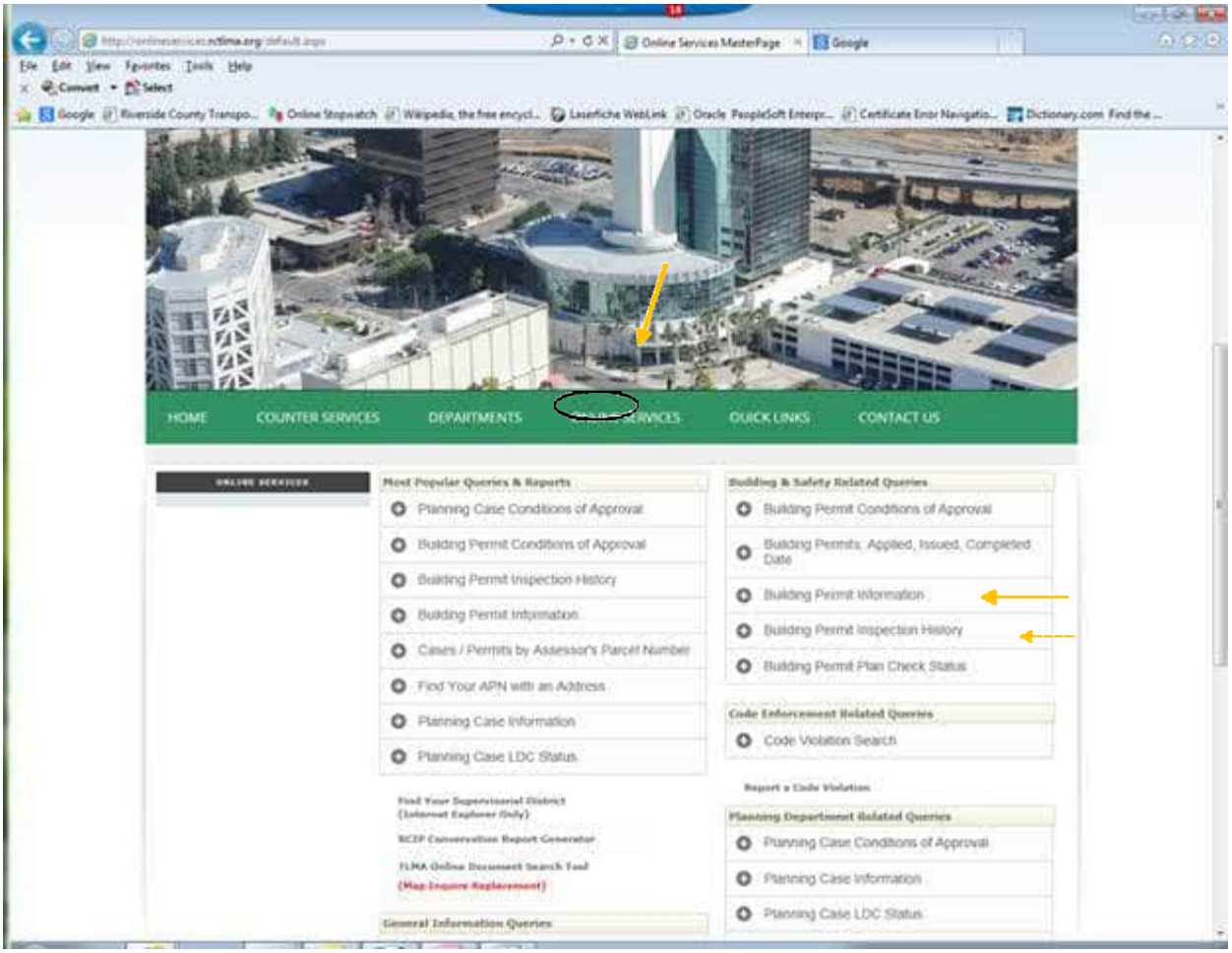
The research for this address is complete. I was unable to locate any permit records for 331-150-037 but I was able to locate 2 electrical permit records for 331-150-044 26277 Antelope Rd which are either voided or expired. This property has an aka address of 26245 Antelope Rd.

Also, these addresses are now in the jurisdiction of the city of Menifee. You may want to contact their building department at 951-672-6777 to check for any permits they may have issued.

BEL010199-SECURITY LIGHTS HEAVY EQUIPMENT STORAGE (CUP03300)-EXPIRED 3/7/2001
BEL000137-TEMPORARY POWER FOR TEMPORARY EQUIPMENT STORAGE TRAILER-VOID 2/17/2000

To view/print from website:

Go to www.rctlma.org
Click on "ONLINE SERVICES"
Scroll down
Click on "Building Permit Information" (right-hand side of page)
Enter permit number to view and / or print.
Click "Submit"
Print page
Repeat steps on "Building Permit Inspection history to see individual inspections.



If you have any questions, please call us at 951-955-2017 or with a reply email.

Thank you,

Wendy
Records & Information Mgmt.
TLMA, County of Riverside
(951) 955-2017
records@rivco.org

How are we doing? Click the Link and tell us

This email contains information which is confidential and is intended only for use of the recipient(s) named above. If you are not an intended recipient, you are hereby notified that any copying, distribution, disclosure, reliance upon or other use of the contents of this email is strictly prohibited. If you have received this email in error, please notify the sender and destroy your copy of this email. Thank you.

From: Thomas, Margaret <mathomas@partneresi.com>
Sent: Friday, February 19, 2021 1:52 PM
To: Records <records@RIVCO.ORG>
Subject: Historical Building Permits - Public Records Request

Hello,

I am dong an environmental site assessment of two vacant parcels in Menifee (historical agricultural land) and need to know if you have any historical building permits, demolition permits, grading permits, irrigation wells/lines, utility permits, etc., for the following parcels:

APN: 331-150-037, Antelope Road, Menifee (Owner is Motte Towne Center) – no known address; and

APN: 331-150-044, 26277 Antelope Road, Menifee; owner is Courtney family.

Please let me know if you find any records.

Thank you so much !

Respectfully,

Margaret R. Thomas
Senior Assessor

PARTNER ENGINEERING AND SCIENCE, INC. – CORPORATE OFFICE
2154 Torrance Boulevard, Torrance, CA 90501
T: Main 800-419-4923 | T: Direct 310-220-6191 | Cell: 310-927-5371

YOUR PARTNER – NATIONWIDE

Phase I ESAs/SBA I Phase II Subsurface Investigations I Remediation I Asbestos, Lead, & Radon Surveys I Property Condition Assessments I Seismic Evaluations I Geotechnical I ALTA Surveys I Structural Design

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County of Riverside California

Assessor - County Clerk - Recorder
Riverside County, CA

General Information

Property Address	26277 ANTELOPE RD MENIFEE, CA 92585
Assessment No. (PIN)	331150044
APN (GeoCode)	331150044
Property Type	Vacant Commercial Land
TAG	026-232 MENIFEE
Acreage	4.84
Doing Business As	

Legal Description
4.84 ACRES M/L IN LOT 125 MB 011/038 TRUMBLE FARMS Lot 125 SubdivisionName TRUMBLE FARMS Acres 004.84 M/L LotType Lot RecMapType Map Book MapPlatB 011 MapPlatP 038



Valuation data as of: **Tuesday, February 09, 2021**

Valuation data updated weekly.

Transfer History

Date	Document #	Sale Price
8/30/2018	2018-0350728	$715,000
9/2/2009	2009-0458137	$400,000
9/2/2009	2009-0458137-S	$0
1/28/1999	1999-0034790	$0

Buildings

Buildings does not exist for this account.

Features does not exist for this account.

Land

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Commercial	LandLine 01 / 331150044 / Commercial	4.84	0.00	0.00

Land Use Detail does not exist for this account.

Request #21-63

☑ CLOSED

As of March 30, 2021, 1:18pm

Details

I need copies of permits issued pertaining to construction activity, irrigation or drinking water wells, grading, agricultural uses, etc., for two adjacent vacant parcels of land proposed for future development. The sites include APNs 331-150-037 (no known address) and 331-150-044 (26277 Antelope Road). Please email records to me. Thank you.

Received

February 10, 2021 via web

Departments

Building, Community Development, Engineering

Documents

Conceptual Drainage Plan.pdf
COAs EOT2017-243 PP 2011-003 (Post PC).pdf
Approval Letter.pdf
Approval Package.pdf
Full Site Plan PP 2019-055.PDF
Prelim. Planting Plan.pdf
Utility Plan.pdf
Fence & Wall Plan.pdf
Color Conceptual Plan.pdf
Conceptual Grading Plan.pdf
Approval Package EOT 2018-027.pdf
Approval Letter EOT 2017-243.pdf

Staff

Point of Contact

Roxy Burns

Timeline

Request Closed — Public
We have provided all records responsive to your request.
March 9, 2021, 7:55am

Request Published — Public
March 9, 2021, 7:55am

Document(s) Released — Public
Approval Letter EOT 2017-243.pdf
March 9, 2021, 7:52am

Document(s) Released — Public
Approval Package EOT 2018-027.pdf
March 9, 2021, 7:52am

Document(s) Released — Public
Conceptual Drainage Plan.pdf
March 9, 2021, 7:52am

Document(s) Released — Public
Color Conceputal Plan.pdf
March 9, 2021, 7:52am

Document(s) Released — Public
Utility Plan.pdf
March 9, 2021, 7:51am

Document(s) Released — Public
Prelim. Planting Plan.pdf
March 9, 2021, 7:51am

Document(s) Released — Public
Full Site Plan PP 2019-055.PDF
March 9, 2021, 7:51am

Document(s) Released — Public
Fence & Wall Plan.pdf
March 9, 2021, 7:51am

Document(s) Released Public
Conceptual Grading Plan.pdf
March 9, 2021, 7:51am

Document(s) Released Public
COAs EOT2017-243 PP 2011-003 (Post PC).pdf
March 9, 2021, 7:50am

Document(s) Released Public
Approval Letter.pdf
March 9, 2021, 7:50am

Document(s) Released Public
Approval Package.pdf
March 9, 2021, 7:50am

Department Assignment Public
Added: Building, Engineering.
March 8, 2021, 8:58am

Due Date Changed Public
03/08/2021 (was 02/22/2021). Extension
February 22, 2021, 5:07pm

Department Assignment Public
Community Development
February 10, 2021, 1:32pm

Request Opened Public
Request received via web
February 10, 2021, 1:32pm

ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
21-308686.2

AFX Reference Number:
79-158867-47

Subject Property:
ANTELOPE ROAD
MENIFEE, CA 92585

Completed:
02/22/2021

AFX RESEARCH, LLC

A Quarter-Century of Title Document Research Expertise

999 Monterey St. Suite 380, San Luis Obispo, CA 93401

(877) 848-5337 / www.afxllc.com

ENVIRONMENTAL LIEN AND AUL REPORT

Order #: 21-308686.2 | Reference #: 79-158867-47 | Completed: 02/22/2021

SOURCES SEARCHED

Source 1: RIVERSIDE COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): GEORGE G. COURTNEY III AND MARIE E. COURTNEY, CO-TRUSTEES OF THE COURTNEY FAMILY TRUST & ROBERT KUSHNER AND LISA KUSHNER
Street Address: ANTELOPE ROAD
City, State Zip Code: MENIFEE, CA 92585
APN/Parcel/PIN: 331-150-044 County: RIVERSIDE
Legal Description: 4.84 ACRES M/L IN LOT 125 MB 011/038 TRUMBLE FARMS

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 08/30/2018 Instrument: 2018-0350728
Dated: 06/06/2018
Grantor(s): TRUMBLE PROPERTIES LLC
Grantee(s): GEORGE G. COURTNEY III AND MARIE E. COURTNEY, CO-TRUSTEES OF THE COURTNEY FAMILY TRUST & ROBERT KUSHNER AND LISA KUSHNER

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES AND MISCELLANEOUS INSTRUMENTS

NO LEASES OR MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
21-308686.2

AFX Reference Number:
79-158867-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

Our professional network of trained researchers follow established industry protocols and use client-supplied property information to complete this Environmental Lien and AUL report. The research is conducted at all appropriate government offices based on the location of the subject property. This would include City, County, State, Federal and Tribal offices as needed. The report includes:

- Current deed information (i.e. grantor, grantee, recording dates)
- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
- Any Environmental Liens and/or documents referencing AULs that are listed within our summary report

DISCLAIMER

This report was prepared for the intended use of AFX Research, LLC (AFX) and client, exclusively. This report is not a guarantee of title, nor a commitment to insure, nor a policy of title insurance. No warranty, expressed or implied, is made whatsoever in connection with this report. AFX Research, LLC specifically disclaims the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Gavin Newsom
Governor

EPA ID PROFILE

Map

ID Number:	CAL000356518	**Status:**	INACTIVE
Name:	AMERICAN CONTRACTING, INC	**Inactive Date:**	6/30/2020 12:00:00 AM
County:	RIVERSIDE	**Record Entered:**	9/7/2010 9:05:25 AM
NAICS:	23593	**Last Updated:**	1/4/2021 5:24:28 PM

	Name	Address	City	State	Zip Code	Phone
Location	AMERICAN CONTRACTING, INC	26245 ANTELOPE RD	SUN CITY	CA	92585	
Mailing		32206 CORTE CERRO C/O PO BOX 890700	TEMECULA	CA	925890700	
Owner	AMERICAN CONTRACTING INC	PO BOX 890700	TEMECULA	CA	92589	9518302650
Operator/Contact	KEITH H. CANDEE PRESIDENT	PO BOX 890700	TEMECULA	CA	92589	9518302650

Based Only Upon ID Number: **CAL000356518**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
N/A	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

No Records Found

Non California Manifest Total Tonnage

No Records Found

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 05/28/2021

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Jared Blumenfeld
Secretary for
Environmental Protection

Gavin Newsom
Governor

EPA ID PROFILE

Map

ID Number:	CAL000432400	**Status:**	ACTIVE
Name:	SAHARA SCAFFOLD INC	**Inactive Date:**	
County:	RIVERSIDE	**Record Entered:**	12/4/2017 1:48:46 PM
NAICS:	99999	**Last Updated:**	12/17/2020 7:59:34 AM

	Name	Address	City	State	Zip Code	Phone
Location	SAHARA SCAFFOLD INC	26245 ANTELOPE RD	ROMOLAND	CA	92585	
Mailing		24885 WHITEWOOD RD STE 106	MURRIETA	CA	92563	
Owner	SAHARA SCAFFOLD INC	24885 WHITEWOOD RD STE 106	MURRIETA	CA	92563	9513432549
Operator/Contact	KRIS CAMPBELL	24885 WHITEWOOD RD #106	MURRIETA	CA	92563	9093432549

Based Only Upon ID Number: **CAL000432400**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
N/A	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

No Records Found

Non California Manifest Total Tonnage

No Records Found

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 05/28/2021

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

26277 ANTELOPE RD MENIFEE CA 92585

Assessment No.	331150044
APN	331150044
Property Type	Vacant Commercial Land
Neighborhood	Land - Banning, Beaumont, Lake Elsinore, Perris, Moreno Valley,
Acreage	4.84

Legal Description

4.84 ACRES M/L IN LOT 125 MB 011/038 TRUMBLE FARMS Lot 125 SubdivisionName TRUMBLE FARMS Acres 004.84 M/L LotType Lot RecMapType Map Book MapPlatB 011 MapPlatP 038

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2017	Other 01/01/2017					$444,883			$444,883
2018	Other 01/01/2018					$453,780			$453,780
2018	Transfer 30/08/2018	$715,000			$715,000	$715,000			$715,000
2019	01/01/2019					$715,000			$715,000
2020	01/01/2020					$729,300			$729,300

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2017					$444,883			$444,883			$444,883
2018					$453,780			$453,780			$453,780
2018					$261,220			$261,220			$261,220
2019					$715,000			$715,000			$715,000
2020					$729,300			$729,300			$729,300

Transfer History

Doc #	Sales Price	Date	Vacant Land
2018-0350728	$715,000	8/30/2018	True
2009-0458137	$400,000	9/2/2009	True
2009-0458137-S	$0	9/2/2009	True
1999-0034790	$205,500	1/28/1999	True

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Commercial	LandLine 01 / 331150044 / Commercial	4.84	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 3/31/2021

Public Information

Search All for 26245 Antelope Exact Phrase Search Reset Export

Found 7 results

Filter Results

All 7

Permit 2

Plan 2

Inspection 3

Next | Top | Paging Options | Filter Options | Main Menu

Inspection Number I001128154-1
Status Correction
Main Parcel 331150033
Address 26245 ANTELOPE RD ROMOLAND
Scheduled Date 04/26/2001
Type BLD: Final Inspection
Requested Date 04/30/2001

Previous | Next | Top | Paging Options | Filter Options | Main Menu

Inspection Number I001123923-1
Status Correction
Main Parcel 331150033
Address 26245 ANTELOPE RD ROMOLAND
Scheduled Date 04/24/2001
Type BLD: Service Panel
Requested Date 04/25/2001

Previous | Next | Top | Paging Options | Filter Options | Main Menu

Inspection Number I001128153-1
Status Correction
Main Parcel 331150033
Address 26245 ANTELOPE RD ROMOLAND
Scheduled Date 04/26/2001
Type BLD: Service Panel
Requested Date 04/30/2001

Previous | Next | Top | Paging Options | Filter Options | Main Menu

Permit Number BEL000137
Type Electric (BEL) - CELE - Commercial Electric
Project Name
Status Void
Main Parcel 331150032
Address 26245 ANTELOPE RD ROMOLAND

Applied Date 02/17/2000
Issued Date
Expiration Date 12/14/2000
Finalized Date

Previous | Next | Top | Paging Options | Filter Options | Main Menu

Permit Number BEL010199
Type Electric (BEL) - CELE - Commercial Electric
Project Name
Status Expired
Main Parcel 331150033
Address 26245 ANTELOPE RD ROMOLAND

Applied Date 03/07/2001
Issued Date 03/07/2001
Expiration Date 09/03/2001
Finalized Date

Previous | Next | Top | Paging Options | Filter Options | Main Menu

Plan Number EA37834
Type CEQA Analysis (CEQ) - CEQ02 - Misc. Projects
Expiration Date
Main Parcel 331150028
Address 26245 ANTELOPE RD ROMOLAND

Applied Date 11/05/1999
Completion Date
Status Approved
Project Name CC000664

Previous | Top | Paging Options | Filter Options | Main Menu

Plan Number TUP00174
Type Temporary Use Permit (TUP) - TUP01 - Greater Than 6 months
Status Approved
Project Name CC000664
Address 26245 ANTELOPE RD ROMOLAND

Applied Date 11/05/1999
Completion Date
Expiration Date
Main Parcel 331150028

Found 4 results

Filter Results

All 4

Inspection 2

Code Case 2

Next | Top | Paging Options | Filter Options | Main Menu

Inspection Number FHAZ0605580-II **Type** FPS: Initial Inspection (Hazard Reduction - FHAZ)
Status Approved **Requested Date**
Main Parcel 331150039
Address
Scheduled Date 06/26/2006

Previous | Next | Top | Paging Options | Filter Options | Main Menu

Inspection Number FHAZ0505618-II **Type** FPS: Initial Inspection (Hazard Reduction - FHAZ)
Status Approved **Requested Date**
Main Parcel 331150039
Address
Scheduled Date 06/08/2005

Previous | Next | Top | Paging Options | Filter Options | Main Menu

Code Case Number FHAZ0605580 **Status** Closed - Verified Non-Billable
Type Fire Hazard Reduction (FPHAZ) **Project Name**
Opened Date 06/26/2006 **Closed Date**
Address
Main Parcel 331150039

Previous | Top | Paging Options | Filter Options | Main Menu

Code Case Number FHAZ0505618 **Status** Closed - Verified Non-Billable
Type Fire Hazard Reduction (FPHAZ) **Project Name**
Opened Date 06/08/2005 **Closed Date**
Address
Main Parcel 331150039

Results per page 10 1 - 4 of 4 << < 1 > >>

Public Information

Search All for 331150040 Exact Phrase Search Reset Export

Found 2 results

Filter Results

All 2

Inspection 1

Code Case 1

Next | Top | Paging Options | Filter Options | Main Menu

Inspection Number FHAZ0605581-II **Type** FPS: Initial Inspection (Hazard Reduction - FHAZ)
Status Approved **Requested Date**
Main Parcel 331150040
Address
Scheduled Date 06/26/2006

Previous | Top | Paging Options | Filter Options | Main Menu

Code Case Number FHAZ0605581 **Status** Closed - Verified Non-Billable
Type Fire Hazard Reduction (FPHAZ) **Project Name**
Opened Date 06/26/2006 **Closed Date**
Address
Main Parcel 331150040

Results per page 10 1 - 2 of 2 << < 1 > >>

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	331150039
APN	331150039
Property Type	Vacant Commercial Land
Neighborhood	Land - Banning, Beaumont, Lake Elsinore, Perris, Moreno Valley,
Acreage	4.79

Legal Description

4.79 ACRES M/L IN LOT 127 MB 011/038 TRUMBLE FARMS Lot 127 SubdivisionName TRUMBLE FARMS Acres 004.79 M/L LotType Lot RecMapType Map Book MapPlatB 011 MapPlatP 038

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2017	Other 01/01/2017					$154,237			$154,237
2017	Other 23/06/2017	$550,000			$550,000				
2018	Other 01/01/2018					$561,000			$561,000
2019	01/01/2019					$572,220			$572,220
2020	01/01/2020					$583,664			$583,664

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2017					$154,237			$154,237			$154,237
2017					$395,763			$395,763			$395,763
2018					$561,000			$561,000			$561,000
2019					$572,220			$572,220			$572,220
2020					$583,664			$583,664			$583,664

Transfer History

Doc #	Sales Price	Date	Vacant Land
2017-0254435	$550,000	6/23/2017	True
2003-0470290	$123,600	6/26/2003	True
2002-0666496-S	$0	11/14/2002	True
2002-0666496-S	$0	11/14/2002	True

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Commercial	LandLine 01 / 331150039 / Commercial	4.79	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 5/5/2021

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	331150040
APN	331150040
Property Type	Vacant Commercial Land
Neighborhood	Land - Banning, Beaumont, Lake Elsinore, Perris, Moreno Valley,
Acreage	4.86

Legal Description

4.86 ACRES M/L IN LOT 98 MB 011/038 TRUMBLE FARMS Lot 98 SubdivisionName TRUMBLE FARMS Acres 004.86 M/L LotType Lot RecMapType Map Book MapPlatB 011 MapPlatP 038

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2017	Other 01/01/2017					$212,266			$212,266
2017	Other 23/06/2017	$550,000			$550,000				
2018	Other 01/01/2018					$561,000			$561,000
2019	01/01/2019					$572,220			$572,220
2020	01/01/2020					$583,664			$583,664

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2017					$212,266			$212,266			$212,266
2017					$337,734			$337,734			$337,734
2018					$561,000			$561,000			$561,000
2019					$572,220			$572,220			$572,220
2020					$583,664			$583,664			$583,664

Transfer History

Doc #	Sales Price	Date	Vacant Land
2017-0254488	$550,000	6/23/2017	True
2002-0666496	$124,000	11/14/2002	True
2002-0666496-S	$0	11/14/2002	True

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Commercial	LandLine 01 / 331150040 / Commercial	4.86	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 5/5/2021

Code Enforcement Case: CE-15-1064

Entered on: 09/28/2015 12:02 PM
Printed on: 05/11/2021

Topic: Graffiti
Status: Closed
Due Date: 10/27/15
Assigned To: Scott Stoll
Initiated by: Officer
Hearing Date:
Hearing Time:

Permit

Permit #:
Business name:
License #:

Property Location

Occupant Name:
Address: 0 , 0
Phone:
Cell #:
APN : 331-150-040

Owner Information

Owner Name: MICHAEL J GRABOWSKI / ANNE M GRABOWSKI
Address [redacted]
Phone:
Cell #:

Actions

Action	By	Date	Time	Hours	Note/Observation
Proactive	Scott Stoll	09/28/2015	12:02 pm	0.50	I was conducting "Pro Active Enforcement" in the community of Romoland when I observed Gang graffiti. I took pictures and generated a NOV
Notice of Violation	Scott Stoll	09/28/2015	12:07 pm	0.00	Send to (Owner), Service By(Mailed)
Follow-Up Inspection	Scott Stoll	10/09/2015	12:44 pm	0.50	In arrived at the subject property in response to a request for service. Upon arrival, I observed the code violation remained. I reread the case file. The property owner has until the 12th of this month to abated the graffiti. I made an error in the time for compliance when I generated the NOV.
Cert Mail Return	Aviegail Barron	10/13/2015		0.00	NOV (Owner) - article number 7013 3020 0000 5891 5651 RTS; forward time expired
Follow-Up Inspection	Scott Stoll	10/13/2015	10:30 am	0.50	In arrived at the subject property in response to a request for service. Upon arrival, I observed the code violation remained. I generated an Administrative Citation
Administrative Citation	Scott Stoll	10/13/2015	10:31 am	0.00	Administrative Citation AC-15-002808 Send to [redacted], Service By(Mailed)
Follow-Up Inspection	Scott Stoll	10/19/2015	11:47 am	0.00	In arrived at the subject property in response to a request for service. Upon arrival, I observed the code violation remained. I generated an Administrative Citation
Administrative Citation	Scott Stoll	10/19/2015	11:47 am	0.00	
Cert Mail Return	Aviegail Barron	10/21/2015		0.00	Admin Cite AC-15-002808 (Owner) - article number 7013 3020 0000 5891 6795 RTS [redacted], 16172 BIMINI LN, HUNTINGTON BEACH, CA 92649-2053
Follow-Up Inspection	Scott Stoll	10/28/2015	12:32 pm	0.50	In arrived at the subject property in response to a request for service. Upon arrival, I observed the code violation abated. closing pictures uploaded into case file Case close.
Closing Inspection	Scott Stoll	10/28/2015	12:32 pm	0.00	

Violations

#	Violation Type	Grouping	Due Date	Status	Closed Date
1	Graffiti - Removal of Graffiti (Private Property) - MMC § 11.40.030(a) Corrections Required:The owner, occupant or person otherwise in control of real property (whether tenant, occupant or otherwise) or of personal property on which graffiti has been placed or applied shall remove such graffiti (or repair and replace the property from which graffiti cannot be removed) at his/her own expense with 72 hours of the discovery of the application of such graffiti. - Remove all graffiti or other vandalism from the property, and maintain the property free of vandalism. Repair, or replace all glass, or other surfaces with etchings, or other vandalism.	1		Open	

Fees

Fee Type	Date	Charges	Payments	Details
Administrative Citation - First	10/13/2015	100.00		Administrative Citation AC-15-002808
		100.00	**0.00**	

Inspection Notes

Date: _____ Time: _____

Findings:_____

_____

_____

_____

Photographs



15-1064 001.JPG



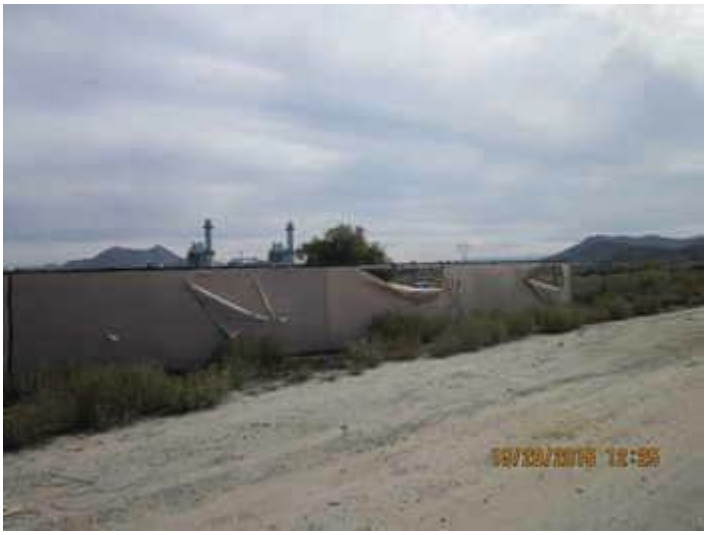
15-1064 002.JPG



15-1064 003.JPG



15-1188 001.JPG



15-1188 002.JPG



15-1188 003.JPG

Thomas, Margaret

From: City of Menifee Public Records <menifeeca@public-records-requests.com>
Sent: Tuesday, May 11, 2021 3:09 PM
To: Thomas, Margaret
Subject: Your City of Menifee public records request #21-208 has been closed.

-- Attach a non-image file and/or reply ABOVE THIS LINE with a message, and it will be sent to staff on this request. --

City of Menifee Public Records

Record request #21-208 has been closed and published. The closure reason supplied was:

The City of Menifee has received and reviewed Request No. 21-208.

This letter shall serve as notification of the City's intent to comply with your request for public records, pursuant to the California Public Records Act (Government Code Section 6250 et seq.).

The City is not in possession of any records that are responsive to this request. Unfortunately, we are unable to produce records that are responsive to this request.

Please check with Riverside County for records prior to incorporation(2008).

View Request 21-208

http://cityofmenifeeca.nextrequest.com/requests/21-208

POWERED BY NEXTREQUEST

The All in One Records Requests Platform

Questions about your request? Reply to this email or sign in to contact staff at City of Menifee.

Technical support: See our help page

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	331150045
APN	331150045
Property Type	Vacant Commercial Land
Neighborhood	Land - Banning, Beaumont, Lake Elsinore, Perris, Moreno Valley,
Acreage	4.84

Legal Description

4.84 ACRES M/L IN LOT 126 MB 011/038 TRUMBLE FARMS Lot 126 SubdivisionName TRUMBLE FARMS Acres 004.84 M/L LotType Lot RecMapType Map Book MapPlatB 011 MapPlatP 038

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2017	Other 01/01/2017					$138,786			$138,786
2017	Other 10/05/2017	$550,000			$550,000				
2018	Other 01/01/2018					$561,000			$561,000
2019	01/01/2019					$572,220			$572,220
2020	01/01/2020					$583,664			$583,664

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2017					$138,786			$138,786			$138,786
2017					$411,214			$411,214			$411,214
2018					$561,000			$561,000			$561,000
2019					$572,220			$572,220			$572,220
2020					$583,664			$583,664			$583,664

Transfer History

Doc #	Sales Price	Date	Vacant Land
2017-0187296	$550,000	5/10/2017	True
2009-0458137-S	$0	9/2/2009	True
1999-0034790	$205,500	1/28/1999	True

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Commercial	LandLine 01 / 331150045 / Commercial	4.84	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 5/5/2021

ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
21-308686.3

AFX Reference Number:
79-199055-47

Subject Property:
ANTELOPE ROAD
MENIFEE, CA 92585

Effective:
04/29/2021

Completed:
05/10/2021

AFX RESEARCH, LLC

A Quarter-Century of Title Document Research Expertise

999 Monterey St. Suite 380, San Luis Obispo, CA 93401

(877) 848-5337 / www.afxllc.com

Order #: 21-308686.3 | Reference #: 79-199055-47 | Completed: 05/10/2021 | Effective: 04/29/2021

SOURCES SEARCHED

Source 1: RIVERSIDE COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): JACK JEFFREY SMITH AND DIANNE MARIE SMITH, TRUSTEES
Street Address: ANTELOPE ROAD
City, State Zip Code: MENIFEE, CA 92585
APN/Parcel/PIN: 331-150-039 County: RIVERSIDE
Legal Description: 4.79 ACRES M/L IN LOT 127 MB 011/038 TRUMBLE FARMS

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 06/23/2017 Instrument: 2017-0254435
Dated: 04/14/2017
Grantor(s): TIMOTHY L. ANDERSON
Grantee(s): JACK JEFFREY SMITH AND DIANNE MARIE SMITH, TRUSTEES

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
21-308686.3

AFX Reference Number:
79-199055-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

Our professional network of trained researchers follow established industry protocols and use client-supplied property information to complete this Environmental Lien and AUL report. The research is conducted at all appropriate government offices based on the location of the subject property. This would include City, County, State, Federal and Tribal offices as needed. The report includes:

- Current deed information (i.e. grantor, grantee, recording dates)
- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
- Any Environmental Liens and/or documents referencing AULs that are listed within our summary report

DISCLAIMER

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
21-308686.3

AFX Reference Number:
79-199056-47

Subject Property:
ANTELOPE ROAD
MENIFEE, CA 92585

Effective:
04/29/2021

Completed:
05/10/2021

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(877) 848-5337 / www.afxllc.com

Order #: 21-308686.3 | Reference #: 79-199056-47 | Completed: 05/10/2021 | Effective: 04/29/2021

SOURCES SEARCHED

Source 1: RIVERSIDE COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): JACK JEFFREY SMITH AND DIANNE MARIE SMITH, TRUSTEES
Street Address: ANTELOPE ROAD
City, State Zip Code: MENIFEE, CA 92585
APN/Parcel/PIN: 331-150-045 County: RIVERSIDE
Legal Description: 4.84 ACRES M/L IN LOT 126 MB 011/038 TRUMBLE FARMS

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 05/10/2017 Instrument: 2017-0187296
Dated: 01/11/2017
Grantor(s): HANCOCK PROPERTIES, LLC
Grantee(s): JACK JEFFREY SMITH AND DIANNE MARIE SMITH, TRUSTEES

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
21-308686.3

AFX Reference Number:
79-199056-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
21-308686.3

AFX Reference Number:
79-199054-47

Subject Property:
ANTELOPE ROAD
MENIFEE, CA 92585

Effective:
04/29/2021

Completed:
05/10/2021

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(877) 848-5337 / www.afxllc.com

Order #: 21-308686.3 | Reference #: 79-199054-47 | Completed: 05/10/2021 | Effective: 04/29/2021

SOURCES SEARCHED

Source 1: RIVERSIDE COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): JACK JEFFREY SMITH AND DIANNE MARIE SMITH, TRUSTEES
Street Address: ANTELOPE ROAD
City, State Zip Code: MENIFEE, CA 92585
APN/Parcel/PIN: 331-150-040 County: RIVERSIDE
Legal Description: 4.86 ACRES M/L IN LOT 98 MB 011/038 TRUMBLE FARMS

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 06/23/2017 Instrument: 2017-0254488
Dated: 01/25/2017
Grantor(s): MICHAEL J. GRABOWSKI AND ANNE M. GRABOWSKI
Grantee(s): JACK JEFFREY SMITH AND DIANNE MARIE SMITH, TRUSTEES

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

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Order Number:
21-308686.3

AFX Reference Number:
79-199054-47

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Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Gavin Newsom
Governor

Facility Search Results

Selection Criteria:

Facility:	
Search on:	Physical Address
Street:	Dawson
City:	romoland
Status:	Active and Inactive
Sort Direction:	asc
Sorted By:	EPA ID
Records Found:	6

EPA ID Number	Name	Address	City	Zip
CAC002591223	KIEWIT PACIFIC	26245 DAWSON RD	ROMOLAND	925850000
CAC002769008	LH WOODS & SONS	26330 DAWSON RD	ROMOLAND	92585
CAL000209838	KIEWIT-GRANITE JOINT VENTURE	26245 DAWSON RD	ROMOLAND	925850000
CAL000304921	SAN DIEGO EROSION CONTROL	26332 DAWSON RD	ROMOLAND	925859795
CAL000325663	LADD ASSOCIATES INC	26330 DAWSON RD	ROMOLAND	925859795
CAL000331004	KIEWIT PACIFIC	26245 DAWSON RD	ROMOLAND	925850000

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 05/27/2021

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Jared Blumenfeld
Secretary for
Environmental Protection

Gavin Newsom
Governor

EPA ID PROFILE

Map

ID Number:	CAC002591223	**Status:**	INACTIVE
Name:	KIEWIT PACIFIC	**Inactive Date:**	11/29/2005 4:06:00 PM
County:	RIVERSIDE	**Record Entered:**	6/1/2005 4:06:44 PM
NAICS:	N/A	**Last Updated:**	11/7/2005 3:01:00 PM

	Name	Address	City	State	Zip Code	Phone
Location	KIEWIT PACIFIC	26245 DAWSON RD	ROMOLAND	CA	925850000	
Mailing		PO BOX 1769	VANCOUVER	WA	986681230	
Owner	KIEWIT PACIFIC	26245 DAWSON RD	ROMOLAND	CA	925850000	3606931478
Operator/Contact	JOE WHELAN	PO BOX 1769	VANCOUVER	WA	986681230	3606931478

Based Only Upon ID Number: **CAC002591223**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
Yes	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

Year	Generator	Trans. 1	Trans. 2	TSDF	ALT. TSDF
2005	**1** **0.83400**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**

Non California Manifest Total Tonnage

No Records Found

Waste Code Matrix					
California	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF
RCRA	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF

Waste Code Matrix as a spreadsheet

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 05/27/2021

Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Gavin Newsom
Governor

EPA ID PROFILE

Map

ID Number:	CAL000331004	**Status:**	INACTIVE
Name:	KIEWIT PACIFIC	**Inactive Date:**	6/30/2015 12:00:00 AM
County:	RIVERSIDE	**Record Entered:**	3/25/2008 11:49:57 AM
NAICS:	N/A	**Last Updated:**	7/14/2015 6:02:06 AM

	Name	Address	City	State	Zip Code	Phone
Location	KIEWIT PACIFIC	26245 DAWSON RD	ROMOLAND	CA	925850000	
Mailing		4650 BUSINESS CENTER DRIVE	FAIRFIELD	CA	945340000	
Owner	KIEWIT INFRASTRUCTURE WEST CO	4650 BUSINESS CENTER DR	FAIRFIELD	CA	945340000	8053151532
Operator/Contact	DAVID BUFO	1704 5TH ST.	BAYWOOD PARK	CA	93402	8053151532

Based Only Upon ID Number: **CAL000331004**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
Yes	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

Year	Generator	Trans. 1	Trans. 2	TSDF	ALT. TSDF
2010	**2** **3.58590**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**
2011	**3** **0.38000**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**
2012	**2** **0.42100**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**
2013	**5** **1.20000**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**

Non California Manifest Total Tonnage

No Records Found

Waste Code Matrix					
California	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF
RCRA	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF

Waste Code Matrix as a spreadsheet

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 05/27/2021

Found 12 results

Filter Results

All 12

Permit 3

Plan 7

Inspection 1

Code Case 1

Next | Top | Paging Options | Filter Options | Main Menu

Inspection Number FHAZ0104545-II
Status Approved
Main Parcel 331150036
Address
Scheduled Date 04/20/2001
Type FPS: Initial Inspection (Hazard Reduction - FHAZ)
Requested Date

Previous | Next | Top | Paging Options | Filter Options | Main Menu

Permit Number BMN030041
Type Manufactured Buildings Commercial (BMN) - SPC - Site Preparation Commercial
Expiration Date 01/01/1900
Finalized Date
Address 26230 DAWSON RD ROMOLAND
Applied Date 05/16/2003
Issued Date
Project Name
Status Void
Main Parcel 331150036

Previous | Next | Top | Paging Options | Filter Options | Main Menu

Permit Number BMN030042
Type Manufactured Buildings Commercial (BMN) - ACC - Accessory Structure Commercial
Expiration Date 01/01/1900
Finalized Date
Address 26230 DAWSON RD ROMOLAND
Applied Date 05/16/2003
Issued Date
Project Name
Status Void
Main Parcel 331150036

Permit Number BEL010200
Type Electric (BEL) - CELE - Commercial Electric
Project Name
Status Expired
Main Parcel 331150036
Address 26230 DAWSON RD ROMOLAND

Applied Date 03/07/2001
Issued Date 03/07/2001
Expiration Date 09/03/2001
Finalized Date

Code Case Number FHAZ0104545
Type Fire Hazard Reduction (FPHAZ)
Opened Date 04/20/2001
Address
Main Parcel 331150036

Status Closed - Verified Non-Billable
Project Name
Closed Date

Plan Number CR161058
Type Corner Record
Expiration Date
Main Parcel 331150036
Address 26230 DAWSON RD ROMOLAND

Applied Date 12/06/2016
Completion Date
Status Filed
Project Name

Plan Number CUP03300
Type Conditional Use Permit (CUP) - CUP01 - General
Expiration Date
Main Parcel 331150036
Address 26230 DAWSON RD ROMOLAND

Applied Date 12/02/1999
Completion Date
Status Approved
Project Name CC000664

Plan Number PP21748
Type Plot Plan Transmitted (PPT) - PPT01 - Transmitted - Not CEQA Exempt
Status Approved
Project Name CC003683
Address 26230 DAWSON RD ROMOLAND

Applied Date 05/11/2006
Completion Date
Expiration Date
Main Parcel 331150036

Previous | Next | Top | Paging Options | Filter Options | Main Menu

Plan Number CUP03501
Type Conditional Use Permit (CUP) - CUP01 - General
Expiration Date
Main Parcel 331150036
Address 26230 DAWSON RD ROMOLAND

Applied Date 03/20/2006
Completion Date
Status Withdrawn
Project Name CC003683

Previous | Top | Paging Options | Filter Options | Main Menu

Plan Number PDA04278
Type Planning Biological Report (PDB) - PDB01 - PDB Planning Biological Report
Status Applied
Project Name
Address 26230 DAWSON RD ROMOLAND

Applied Date 07/17/2007
Completion Date
Expiration Date
Main Parcel 331150036

Next | Top | Paging Options | Filter Options | Main Menu

Plan Number CFG04187
Type California Fish and Wildlife (CFW) - CFW01 - ND/MND
Expiration Date
Main Parcel 331150036
Address 26230 DAWSON RD ROMOLAND

Applied Date 03/20/2006
Completion Date
Status Paid
Project Name CC003683

Previous | Top | Paging Options | Filter Options | Main Menu

Plan Number EA40751
Type CEQA Analysis (CEQ) - CEQ02 - Misc. Projects
Expiration Date
Main Parcel 331150036
Address 26230 DAWSON RD ROMOLAND

Applied Date 03/20/2006
Completion Date
Status Approved
Project Name CC003683

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Jared Blumenfeld
Secretary for
Environmental Protection

Gavin Newsom
Governor

EPA ID PROFILE

Map

ID Number:	CAL000209838	**Status:**	INACTIVE
Name:	KIEWIT-GRANITE JOINT VENTURE	**Inactive Date:**	6/30/2000 12:00:00 AM
County:	RIVERSIDE	**Record Entered:**	3/23/2000 12:00:00 AM
NAICS:	N/A	**Last Updated:**	1/31/2002 12:00:00 AM

	Name	Address	City	State	Zip Code	Phone
Location	KIEWIT-GRANITE JOINT VENTURE	26245 DAWSON RD	ROMOLAND	CA	925850000	
Mailing		PO BOX 1769	VANCOUVER	WA	986681230	
Owner	KIEWIT-GRANITE JOINT MGR	--	--	99	--	3606931478
Operator/Contact	TRACY HORN/SAFETY SUPERVISOR	INACTIVE PER VQ01 - BMI	HEMET	CA	925440000	9096528606

Based Only Upon ID Number: **CAL000209838**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
Yes	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

Year	Generator	Trans. 1	Trans. 2	TSDF	ALT. TSDF
2000	**4** **1.87930**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**

Non California Manifest Total Tonnage

No Records Found

Waste Code Matrix					
California	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF
RCRA	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF

Waste Code Matrix as a spreadsheet

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Report Generation Date: 05/27/2021

Code Enforcement Case: CE-19-0251

Entered on: 03/01/2019 3:24 PM
Printed on: 05/11/2021

Topic: Illegal Dumping
Status: Closed
Due Date: 03/31/19
Assigned To: Officer Kearney
Initiated by: Citizen
Hearing Date:
Hearing Time:

Permit

Permit #:
Business name:
License #:

Property Location

Occupant Name:
Address: 0 , 92585
Phone:
Cell #:
APN : 331-150-036

Owner Information

Owner Name: KIEWIT CONST CO
Address [redacted]
Phone:
Cell #:

Actions

Action	By	Date	Time	Hours	Note/Observation
Complaint	Amber Kearney	03/01/2019	3:24 pm	0.00	ILLEGAL DUMPING
Inspection	Amber Kearney	03/01/2019	3:24 pm	0.50	I arrived on location and observed a dumped couch and green waste dumped.
Notice of Violation	Amber Kearney	03/01/2019	3:27 pm	0.00	Send to (Owner), Service By(Mailed)
Cert Mail Send	Andrea Montes	03/04/2019	4:32 pm	0.08	Notice of Violation - KIEWIT CONST CO - Cert# 7018-1830-0001-0400-5428
Phone Call	Amber Kearney	03/12/2019	4:22 pm	0.17	Spoke with [redacted] from Kiewit const Co in regards to NOV states he will figure out something to get someone out to clean up the illegal dumping.
Cert Mail Delivered	Andrea Montes	03/15/2019	1:33 pm	0.08	Notice of Violation - KIEWIT CONST CO - Cert# 7018-1830-0001-0400-5428 - SIGNED [redacted] 3/8/2019
Follow-Up Inspection	Amber Kearney	04/05/2019	11:24 am	0.50	I arrived on location and all items that were once dumped on side of road have now been removed. Compliance gained.

Violations

#	Violation Type	Grouping	Due Date	Status	Closed Date
1	Illegal Dumping - Prohibition of Dumping - MMC § 6.10.010 Corrections Required:No person or any entity shall place, deposit, throw, leave, dispose of or dump any trash, garbage, waste, debris, refuse or matter including, but not limited to, rocks, dirt, demolition or construction waste materials, on any public or private property, whether or not the property is owned or controlled by the entity placing it there, unless: (A) The property is an approved site for the placement; or (B) There is consent of the property owner and the materials temporarily are placed on the property in appropriate receptacles for later collection and removal. PROPERLY DISPOSE AND REMOVE ALL JUNK, TRASH AND DEBRIS	1		Open	

Inspection Notes

Date: _____ Time: _____

Findings:_____

_____

_____

_____

Photographs



file-1.jpeg



file-1.jpeg



file1-1.jpeg

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	331150036
APN	331150036
Property Type	Vacant Commercial Land
Neighborhood	Land - Banning, Beaumont, Lake Elsinore, Perris, Moreno Valley,
Acreage	9.70

Legal Description

9.70 ACRES IN LOTS 99 & 100 MB 011/038 TRUMBLE FARMS Lot 99 SubdivisionName TRUMBLE FARMS Acres 009.70 LotType Lot RecMapType Map Book MapPlatB 011 MapPlatP 038 Lot 100 LotType Lot

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2017	Other 01/01/2017					$537,227			$537,227
2018	Other 01/01/2018					$547,971			$547,971
2019	01/01/2019					$558,930			$558,930
2020	01/01/2020					$570,108			$570,108

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2017					$537,227			$537,227			$537,227
2018					$547,971			$547,971			$547,971
2019					$558,930			$558,930			$558,930
2020					$570,108			$570,108			$570,108

Transfer History

Doc #	Sales Price	Date	Vacant Land
2020-0082927	$800,000	2/24/2020	True
2002-0545421	$430,400	9/30/2002	True
1999-0508435-S	$0	11/18/1999	True
1999-0508435-S	$0	11/18/1999	True
1999-0508435	$233,000	11/18/1999	True

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Commercial	LandLine 01 / 331150036 / Commercial	9.70	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 5/5/2021

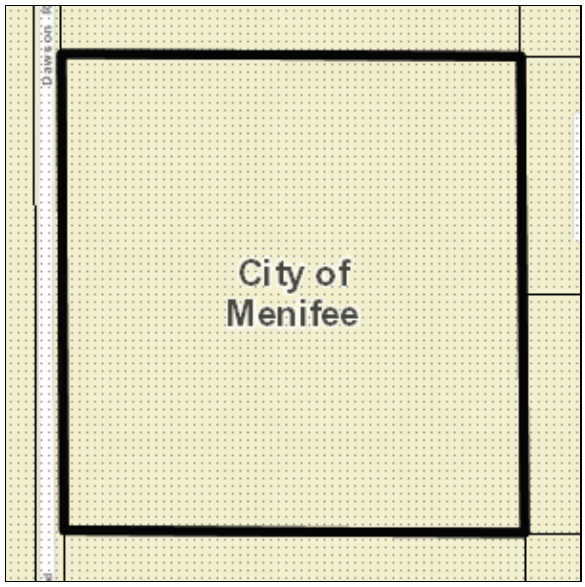
Riverside County Parcel Report

APN(s):331150036

DISCLAIMER

Maps, permit information and data are to be used for reference purposes only. Map features are approximate, and are not necessarily accurate to surveying or engineering standards. The County of Riverside makes no warranty or guarantee as to the content (the source is often third party), accuracy, timeliness, or completeness of any of the data provided, and assumes no legal responsibility for the information contained on this map. Any use of this product with respect to accuracy and precision shall be the sole responsibility of the user.

MAPS/IMAGES



PARCEL

APN	331-150-036-6	Supervisorial District	JEFF HEWITT, DISTRICT 5
Previous APN	331150036 331150032	Township/Range	T5SR3W SEC 15 E
Owner Name	NOT AVAILABLE ONLINE	Elevation	1440 ft
Address		Thomas Bros. Map Page/Grid	PAGE: 838, GRID: D2 PAGE: 838, GRID: E2
Mailing Address	331150036 10759 SAFFRON ST FONTANA CA 92337	Indian Tribal Land	NOT IN A TRIBAL LAND
Legal Description	331150036 Recorded Book/Page: MB 11/38 Subdivsion Name: TRUMBLE FARMS Lot/Parcel: 99 Block: Tract Number:	City Boundary	MENIFEE
		City Spheres of influence	NOT IN A CITY SPHERE
Lot Size	331150036 Recorded lot size is 9.70 acres	March Joint Powers Authority	NOT IN THE JURISDICTION OF THE MARCH JOINT POWERS AUTHORITY
Property Characteristcs	331150036 Year Constructed:	County Service Area	146- LAKEVIEW/NUEVO/ROMOLAND/HOMELAND ST LIGHTING, LIBRARY

	Baths: Bedrooms: Construction Type: Garage Type: Property Area (sq ft): Roof Type: Stories: Pool: NO Central Cool: NO Central Heat: NO

Annexation Date	2007-40-3&5 10/01/2008	LAFCO Case	2007-40-3&5 10/01/2008
Proposals	N/A		

PLANNING more...

Specific Plans	NOT IN A SPECIFIC PLAN	Historic Preservation Districts	NOT IN A HISTORIC PRESERVATION DISTRICT
Land Use Designations	CITY	Agricultural Preserve	NOT IN AN AGRICULTRAL PRESERVE
General Plan Policy Overlays	N/A		
Area Plan (RCIP)	Harvest Valley / Winchester	Airport Influence Areas	MARCH AIR RESERVE BASE
General Plan Policy Areas	NOT IN A GENERAL PLAN POLICY AREA	Airport Compatibility Zones	MARCH AIR RESERVE BASE, ZONE D
Zoning Classifications (ORD. 348)	CHECK WITH THE CITY FOR MORE INFORMATION	Zoning Districts and Zoning Areas	NOT IN A ZONING DISTRICT/AREA
Zoning Overlays	NOT IN A ZONING OVERLAY	Community Advisory Councils	NOT IN A COMMUNITY ADVISORY COUNCIL
Residential Permit Stats			
N/A			

ENVIRONMENTAL more...

CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Plan Area	NOT IN A COACHELLA VALLEY MSHCP FEE AREA	WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Cell Group	NOT IN A CELL GROUP
CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Conservation Area	NOT COACHELLA VALLEY CONSERVATION AREA	WRMSHCP Cell Number	NOT IN A CELL NUMBER
CVMSHCP Fluvial Sand Transport Special Provision Areas	NOT IN A FLUVIAL SAND TRANSPORT SPECIAL PROVISION AREA	HANS/ERP (Habitat Acquisition and Negotiation Strategy/Expedited Review Process)	NOT IN A HANS/ERP PROJECT
WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Plan Area	WESTERN RIVERSIDE COUNTY	Vegetation (2005)	URBAN OR DEVELOPMENT MAPPING UNIT

Fire

Fire Hazard Classification (Ord. 787)	NOT IN A FIRE HAZARD ZONE	Fire Responsibility Area	NOT IN A FIRE RESPONSIBILITY AREA

DEVELOPMENT FEES

CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Fee Area (Ord 875)	NOT IN A COACHELLA VALLEY MSHCP FEE AREA	RBBD (Road & Bridge Benefit District)	NOT IN A ROAD BRIDGE BENEFIT DISTRICT
WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Fee Area (Ord. 810)	WESTERN RIVERSIDE COUNTY	DIF (Development Impact Fee Area Ord. 659)	HARVEST VALLEY/WINCHESTER, AREA 16

Western TUMF (Transportation Uniform Mitigation Fee Ord. 824)	IN OR PARTIALLY WITHIN A TUMF FEE AREA	SKR Fee Area (Stephenâ€™s Kagaroo Rat Ord. 663.10)	IN OR PARTIALLY WITHIN THE SKR FEE AREA
Eastern TUMF (Transportation Uniform Mitigation Fee Ord. 673)	NOT IN THE EASTERN TUMF FEE AREA	DA (Development Agreements)	NOT IN A DEVELOPMENT AGREEMENT

TRANSPORTATION more...

Circulation Element Ultimate Right-of-Way	NOT IN A CIRCULATION ELEMENT RIGHT-OF-WAY	Road Book Page	64
		Transportation Agreements	NOT IN A TRANS AGREEMENT
		CETAP (Community and Environmental Transportation Acceptability Process) Corridors	NOT IN A CETAP CORRIDOR

HYDROLOGY

Flood Plan Review	OUTSIDE FLOODPLAIN, REVIEW NOT REQUIRED	Watershed	SAN JACINTO VALLEY
Water District	EASTERN MUNICIPAL WATER DISTRICT		
Flood Control District	RIVERSIDE COUNTY FLOOD CONTROL DISTRICT		

GEOLOGIC

Fault Zone	NOT IN A FAULT ZONE	Paleontological Sensitivity	HIGH SENSITIVITY (HIGH B): SENSITIVITY EQUIVALENT TO HIGH A, BUT IS BASED ON THE OCCURRENCE OF FOSSILS AT A SPECIFIED DEPTH BELOW THE SURFACE. THE CATEGORY HIGH B INDICATES THAT FOSSILS ARE LIKELY TO BE ENCOUNTERED AT OR BELOW FOUR FEET OF DEPTH, AND MAY BE IMPACTED DURING EXCAVATION BY CONSTRUCTION ACTIVITIES.
Faults	NOT IN A FAULT LINE		
Liquefaction Potential	LOW		
Subsidence	SUSCEPTIBLE		

MISCELLANEOUS

School District	ROMOLAND & PERRIS UNION HIGH
Communities	ROMOLAND
Lighting (Ord. 655)	ZONE: B
2010 Census Tract	427.28
Farmland	OTHER LANDS URBAN-BUILT UP LAND
Special Notes	NO SPECIAL NOTES
Tax Rate Areas	026232 - CITY OF MENIFEE 026232 - CITY OF MENIFEE FIRE PROTECTION 026232 - CO FREE LIBRARY 026232 - CSA 145 MENIFEE 026232 - CSA 146 MENIFEE 026232 - CSA 152 026232 - CSA 33 MENIFEE 026232 - CSA 86 MENIFEE 026232 - EMWD 026232 - EMWD IMP DIST 13 026232 - EMWD IMP DIST A 026232 - ERAF RDV 026232 - FLOOD CONTROL ADMIN 026232 - FLOOD CONTROL ZN 4 026232 - GENERAL 026232 - GENERAL PURPOSE 026232 - MT SAN JACINTO JR COLLEGE 026232 - MWD EAST 1301999 026232 - PERRIS AREA ELEM SCHOOL FUND 026232 - PERRIS JR HIGH AREA FUND

026232 - PERRIS UNION HS
026232 - PERRIS VALLEY CEMETERY
026232 - RDV PROJ 5 ROMO 86 03 ANX AB1290
026232 - RIV CO REGIONAL PARK & OPEN SP
026232 - RIVERSIDE CO OFC OF EDUCATION
026232 - ROMOLAND SCHOOL
026232 - SAN JACINTO BASIN RESOURCE CONS
026232 - SO. CALIF,JT(19,30,33,36,37,56)
026232 - VALLEY HEALTH SYSTEM HOSP DIST

Department of Enviromental Health Permits

Septic Permits

Record Id	Application Date	Plan Check Approved Date	Final Inspection Date	Approved Date
N/A	N/A	N/A	N/A	N/A

Well Water Permits

Record Id	PE	Permit Paid Date	Permit Approved Date	Well Finaled Date
N/A	N/A	N/A	N/A	N/A

PLUS PERMITS & CASES

Administrative Cases

Case	Case Description	Status
N/A	N/A	N/A

Building and Safety Cases

Case	Case Description	Status
BEL010200	SECURITY LIGHTING HEAVY EQUP. STORAGE (CUP03300)	EXPIRED
BMN030041	SITE PREP FOR OFFICE TRAILER (CUP03300)	VOID
BMN030042	INSTALL OFFICE TRAILER	VOID

Code Cases

Case	Case Description	Status
N/A	N/A	N/A

Fire Cases

Case	Case Description	Status
FHAZ0104545		Closed - Verified Non-Billable

Planning Cases

Case	Case Description	Status
CFG04187	CALIFORNIA FISH AND GAME FOR EA40751	PAID
CUP03300	HEAVY EQUIPMENT STORAGE YARD/WAREHOUSE/OFFICES	APPROVED
CUP03501	PROPSD 15 YR CUP;HVY EQUIP,PKG,MECH EQUIP,STOR.... MISC CONSTRUCTION GEAR STORAGE AND CARE TAKER TRAILER.	WITHDRAWN
EA37834	ENVIRONMENTAL ASSESSMENT FOR CUP03300	APPROVED
EA40751	EA FOR PP21748	APPROVED
PDA04278	PHASE I CULTURAL RESOURCES ASSESSMENT	APPLIED

PP21748	STRGE YD/HVY EQUIP PRKN/MECH EQUIP/EXST CRTKR TRL	APPROVED
TUP00174	TEMPORARY HEAVY EQUIPMENT STORAGE FROM MWD RESEVOI	APPROVED

Survey Cases

Case	Case Description	Status
CR161058	LOT 99 & 100 MB 11/38	FILED
ROS00050	LOTS 99/100/125 & 126 TRUMBLE FARMS MB 11/38	RECORDED

Transportation Cases

Case	Case Description	Status
N/A	N/A	N/A

Code Enforcement Case: CE-11-1376

Entered on: 11/01/2011 09:24 AM
Printed on: 05/11/2021

Topic: Zoning Violation
Status: Closed
Due Date: 04/03/14
Assigned To: Scott Stoll
Initiated by: Other City Dept
Hearing Date:
Hearing Time:

Permit

Permit #:
Business name:
License #:

Property Location

Occupant Name:
Address: 26245 Dawson Rd , 92585
Phone:
Cell #:
APN : 331-150-036

Owner Information

Owner Name: KIEWIT CONST CO
Address [redacted]
Phon [redacted]
Cell #:

Actions

Action	By	Date	Time	Hours	Note/Observation
Complaint	Carmen Cave	09/06/2011	4:14 pm	0.00	Request 1535-Lisa Gordon [redacted](entitled under PP 21748) has not complied with the conditions of approval for the entitlement. COAs were conditioned to be met within certain milestones, which have passed. Substantial construction required within 2 years of project approval and that has also passed.
Case Notes	Aviegail Barron	01/03/2013	11:25 am	0.00	Case reopened at the request of Planning Department; due date reset.
Inspection	Scott Stoll	03/18/2013	12:00 pm	1.00	On 03/18/2013, at approximately 1200 hours, I arrived at the subject property due to the case re opened by the City of Menifee Planning Dept. I arrived at the property and observed the property secured with a locked chain link fence. I did not observe any activity on the subject property. The .heavy equipment remains. I will re inspect in 30 days as the subject property is 9.7 acres I took pictures and uploaded the pictures into the case file.
Notice of Violation	Scott Stoll	06/13/2013	11:30 am	1.00	Send to (Owner,Property Location), Service By(Mailed)
Notice of Violation	Scott Stoll	06/13/2013	12:06 pm	0.00	Send to (Owner), Service By(Mailed)
Inspection	Scott Stoll	06/13/2013	12:30 pm	1.00	I arrived at the subject property and observed the heavy equipment still at the subject property. Prior to making contact, I read the case file. An NOV was never mailed out. I generated a NOV and will give another 30 days prior to enforcement action
Case Notes	Scott Stoll	07/22/2013	11:48 am	0.00	Thank you. I just left a message with Scott Stoll. -Tim From: Lisa Gordon [mailto:lgordon@cityofmenifee.us] Sent: Monday, July 08, 2013 3:39 PM To [redacted] Cc: Colin McNie; Scott Stoll Subject: RE: [redacted]t Parcel on Dawson Road Good Afternoon: You would need to contact the Code Enforcement Department for any waiver of fines or regarding any code enforcement violations. Thank you,

Lisa Gordon
Senior Planner

City of Menifee
29714 Haun Road
Menifee, CA 92586

Direct Line: (951) 639-1368 ext. 120
City Hall: (951) 672-6777

From: [redacted]
Sent: Monday, July 08, 2013 12:11 PM
To: Lisa Gordon
Subjec[redacted]Parcel on Dawson Road

Lisa,

Since we have not been able to connect via phone I will summarize[redacted] u2019s activities below as it pertains to its Menifee property.

Since meeting with you in early November we evaluated the likely required conditions of approval for our continued use of outside storage. The total estimated costs came in at approximately $1m. This is beyond what we are willing to spend for the storage function at this yard.

As a result, we have recently put in place a program to move or liquidate all of the materials and equipment located on the propert[redacted]t personnel have been assigned and mobilized for this purpose. We anticipate that the property will be vacant by December 31st.

The property will likely be marketed for sale.

We hereby ask for a temporary waiver through December 31, 2013 from the city regarding the violations cited in Case No. CE-11-1376.

I would be happy to address any questions or concerns.

Thank you.

-Tim

[redacted]
Real Estate Department
[redacted]
[redacted]
[redacted]

Inspection	Scott Stoll	07/22/2013 11:49 am	0.00	Extension granted until 12/01/2013
Inspection	Scott Stoll	12/03/2013 11:22 am	0.00	
Inspection	Scott Stoll	12/03/2013 11:27 am	0.50	I arrived at the subject property for the purpose of a follow up inspection. Upon arrival, I observed substantial compliance. Approximately 70 percent of the property was cleared. I will grant an extra 14 days
Case Notes	Scott Stoll	12/03/2013 11:28 am	0.00	Lisa, I am unsure who is working on the[redacted]t case on your end, but I just conducted a follow up inspection. 70 percent of the equipment has been removed from the subject property.
Inspection	Scott Stoll	01/31/2014 3:33 pm	0.00	I received a phone call from[redacted] regarding case status [redacted] informed me he has moved all items off the subjct property. I told him I would inspect the property next week
Inspection	Scott Stoll	03/10/2014 9:00 am	0.50	I arrived at the subject property for the purpose of a follow up inspection. Upon arrival, I observed the property abated. Case closed

Violations

#	Violation Type	Grouping	Due Date	Status	Closed Date
1	Public Nuisance - Abandoned Equipment - MMC § 11.20.010(G)	1		Open	

Corrections Required:It hereby is declared to be a PUBLIC NUISANCE for any person owning, leasing, occupying or having charge or

	possession of any premises in the city to maintain the premises in a manner that any of the following conditions exist in, on or around the premises: (G) Abandoned, neglected or broken equipment or machinery not secured from access or which creates an attractive nuisance;; - Reduce and remove all miscellaneous junk, trash, and debris or other equipment or machinery from the property.		
2	Business License and Registration Program - Unlawful Business - MMC § 5.01.190 Corrections Required:No business license issued pursuant to this chapter shall be construed as authorizing the conduct of or continuance of any occupation, use or activity of any kind which is prohibited by this municipal code, state or federal law or regulation. - The city business license or registration issued for this property is invalid IMMEDIATELY CEASE conducting a business within the City of Menifee, until all applications, permits, and licenses or registrations are approved.	1	Open
3	Zoning Violation - Illegal Land Use - OS-C - MMC § 9.145.030	1	Open

Additional Addresses

Address Type:Complainant
Name:Lisa Gordon
Address:
,
Phone:(951) 672-6777 Cell #:

Inspection Notes

Date: _____ Time: _____

Findings:_____

_____

_____

_____

Photographs



IMG_2361.jpg



IMG_2357.jpg



IMG_2358.jpg



IMG_2359.jpg



IMG_2360.jpg



IMG_4606.jpg



IMG_4607.jpg



001.JPG



002.JPG

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Jared Blumenfeld
Secretary for
Environmental Protection

Gavin Newsom
Governor

EPA ID PROFILE

Map

ID Number:	CAL000254040	**Status:**	INACTIVE
Name:	LADD & ASSOCIATES	**Inactive Date:**	6/30/2003 12:00:00 AM
County:	RIVERSIDE	**Record Entered:**	6/18/2002 11:14:08 AM
NAICS:	23332	**Last Updated:**	4/7/2004 10:38:18 AM

	Name	Address	City	State	Zip Code	Phone
Location	LADD & ASSOCIATES	26330 DAWSON RD	SUN CITY	CA	92585	
Mailing		26812 CHERRY HILLS BLVD #219	SUN CITY	CA	92586	
Owner	ROY E LADD INC & LADD ASSOCIATES	26812 CHERRY HILLS BLVD #219	SUN CITY	CA	92586	9099280367
Operator/Contact	ANNA ANDERSON	26812 CHERRY HILLS BLVD #219	SUN CITY	CA	92586	9099280367

Based Only Upon ID Number: **CAL000254040**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
N/A	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

No Records Found

Non California Manifest Total Tonnage

No Records Found

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 05/28/2021

Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
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Governor

EPA ID PROFILE

Map

ID Number:	CAL000325663	**Status:**	INACTIVE
Name:	LADD ASSOCIATES INC	**Inactive Date:**	6/30/2010 12:00:00 AM
County:	RIVERSIDE	**Record Entered:**	10/12/2007 11:27:05 AM
NAICS:	54186	**Last Updated:**	11/22/2010 5:59:50 PM

	Name	Address	City	State	Zip Code	Phone
Location	LADD ASSOCIATES INC	26330 DAWSON RD	ROMOLAND	CA	925859795	
Mailing		PO BOX 992750	REDDING	CA	960992750	
Owner	LADD ASSOCIATES INC	1304 EAST ST	REDDING	CA	960010855	5302416102
Operator/Contact	MITCH LIPSKY	PO BOX 992750	REDDING	CA	960992750	7076011471

Based Only Upon ID Number: **CAL000325663**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
Yes	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

Year	Generator	Trans. 1	Trans. 2	TSDF	ALT. TSDF
2007	**2** **4.13800**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**

Non California Manifest Total Tonnage

No Records Found

Waste Code Matrix					
California	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF
RCRA	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF

Waste Code Matrix as a spreadsheet

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Report Generation Date: 05/28/2021

California Waste Code by Year Matrix

ID Number: CAL000325663
Entity Type: Generator

2007 2021 Select Years

Calif. Code	Description	2007
135	UNSPECIFIED AQUEOUS SOLUTION (2 < PH < 12.5)	0.63000
214	UNSPECIFIED SOLVENT MIXTURE	0.10800
343	UNSPECIFIED ORGANIC LIQUID MIXTURE	3.40000
	Grand Total	4.13800

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Governor

EPA ID PROFILE

Map

ID Number:	CAC002647203	**Status:**	INACTIVE
Name:	FOXFIRE CONSTRUCTORS	**Inactive Date:**	4/7/2010 12:00:00 AM
County:	RIVERSIDE	**Record Entered:**	10/8/2009 2:28:58 PM
NAICS:	N/A	**Last Updated:**	4/12/2010 1:14:46 PM

	Name	Address	City	State	Zip Code	Phone
Location	FOXFIRE CONSTRUCTORS	26330 DAWSON RD	SUN CITY	CA	92585	
Mailing		1040 CALLE CORDILLERA	SAN CLEMENTE	CA	92673	
Owner	FOXCFIRE CONSTRUCTORS	1040 CALLE CORDILLERA	SAN CLEMENTE	CA	92673	9492127412
Operator/Contact	DEREK PAULSON	1040 CALLE CORDILLERA	SAN CLEMENTE	CA	92673	9492127412

Based Only Upon ID Number: **CAC002647203**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
N/A	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

No Records Found

Non California Manifest Total Tonnage

No Records Found

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Report Generation Date: 05/28/2021

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Governor

EPA ID PROFILE

Map

ID Number:	CAL000356949	**Status:**	INACTIVE
Name:	FOXFIRE CONSTRUCTORS INC	**Inactive Date:**	6/30/2014 12:00:00 AM
County:	RIVERSIDE	**Record Entered:**	9/15/2010 4:20:52 PM
NAICS:	81149	**Last Updated:**	11/14/2014 5:16:08 PM

	Name	Address	City	State	Zip Code	Phone
Location	FOXFIRE CONSTRUCTORS INC	26330 DAWSON RD	MENIFEE	CA	925859795	
Mailing		PO BOX 74206	SAN CLEMENTE	CA	926730141	
Owner	FOXFIRE CONSTRUCTORS INC	PO BOX 74206	SAN CLEMENTE	CA	926730141	9492408786
Operator/Contact	RUBY MARTIN	PO BOX 74206	SAN CLEMENTE	CA	926730141	9492408786

Based Only Upon ID Number: **CAL000356949**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
Yes	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

Year	Generator	Trans. 1	Trans. 2	TSDF	ALT. TSDF
2010	1 0.88805	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2011	2 0.45000	0 0.00000	0 0.00000	0 0.00000	0 0.00000

Non California Manifest Total Tonnage

No Records Found

Waste Code Matrix					
California	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF
RCRA	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF

Waste Code Matrix as a spreadsheet

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 05/24/2021

California Waste Code by Year Matrix

ID Number: CAL000356949
Entity Type: Generator

2010 2021 Select Years

Calif. Code	Description	2010	2011
223	UNSPECIFIED OIL-CONTAINING WASTE	0.68805	0.00000
352	OTHER ORGANIC SOLIDS	0.20000	0.45000
	Grand Totals	**0.88805**	**0.45000**

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EPA ID PROFILE

Map

ID Number:	CAC002769109	**Status:**	INACTIVE
Name:	LH WOODS & SONS	**Inactive Date:**	7/28/2014 10:44:15 AM
County:	RIVERSIDE	**Record Entered:**	4/28/2014 10:44:15 AM
NAICS:	324191	**Last Updated:**	7/29/2014 3:00:01 AM

	Name	Address	City	State	Zip Code	Phone
Location	LH WOODS & SONS	26330 DAWSON RD	MENIFEE	CA	92585	
Mailing		2115 LA MIRADA DR	VISTA	CA	92081	
Owner	LH WOODS & SONS, INC.	2115 LA MIRADA DR	VISTA	CA	92081	7605995500
Operator/Contact	JOSE .	2115 LA MIRADA DR	VISTA	CA	92081	7605007936

Based Only Upon ID Number: **CAC002769109**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
Yes	N/A	N/A

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Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

Year	Generator	Trans. 1	Trans. 2	TSDF	ALT. TSDF
2014	**2** **1.18400**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**	**0** **0.00000**

Non California Manifest Total Tonnage

No Records Found

Waste Code Matrix					
California	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF
RCRA	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF

Waste Code Matrix as a spreadsheet

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 05/24/2021

California Waste Code by Year Matrix

ID Number: CAC002769109
Entity Type: Generator

2014 2021 Select Years

Calif. Code	Description	2014
223	UNSPECIFIED OIL-CONTAINING WASTE	0.83400
352	OTHER ORGANIC SOLIDS	0.05000
491	UNSPECIFIED SLUDGE WASTE	0.30000
	Grand Total	1.18400

Code Enforcement Case: CE-12-1111

Entered on: 10/17/2012 08:57 AM
Printed on: 05/11/2021

Topic: Zoning Violation
Status: Closed
Due Date: 01/01/14
Assigned To: Scott Stoll
Initiated by: Other City Dept
Hearing Date:
Hearing Time:

Permit

Permit #:
Business name:
License #:

Property Location

Occupant Name:
Address: , 92585
Phone:
Cell #:
APN : 331-150-041

Owner Information

Owner Name: ENGINEERING PROP
Addres [redacted]
Phone:
Cell #:

Actions

Action	By	Date	Time	Hours	Note/Observation
Complaint	Maria Rodriguez	10/17/2012	8:57 am	0.00	Engineering Properties – Not a Code case yet, but it should be. They have been operating for 3 years now on the site and processing an application, but they are not processing in a good faith manor and we are having issues with them. Do you want to open a code case (see attached email)? APN 331-150-041 Thank you, Lisa Gordon Senior Planner City of Menifee 29714 Haun Road Menifee, CA 92586 Direct Line: (951) 639-1368 ext. 120 City Hall: (951) 672-6777
Case Notes	Scott Stoll	10/17/2012	11:20 am	0.00	Good Morning: We are having issues with at least 3 contractor's storage yards on Dawson Road [redacted]s – CE 11-1376. They never complied with their COAs. The case is shown as closed, but no reason is given as to why it is closed. San Diego Erosion Control – CE 11-1377. What is the current status? Has the business left the location? Planning hasn't received any new applications from the PO. Engineering Properties – Not a Code case yet, but it should be. They have been operating for 3 years now on the site and processing an application, but they are not processing in a good faith manor and we are having issues with them. Do you want to open a code case (see attached email)? APN 331-150-041 Thank you, Lisa Gordon Senior Planner City of Menifee 29714 Haun Road

Menifee, CA 92586

Direct Line: (951) 639-1368 ext. 120
City Hall: (951) 672-6777

Case Notes	Scott Stoll	10/17/2012 11:21 am	0.00	Good Morning:

We will continue to the next Planning Commission meeting which is on November 27th.

It is very concerning that the property owners are having issues with the conditions at this stage. When we initially met with the property owners during due diligence, we had discussed with them that we would be requiring exactly what was required under the Ladd Contractor's Storage Yard, which included payment of development impact fees and road improvements. The property owners assured the Planning Department that they were dedicated to processing the project and meeting the conditions of approval. Their promise to the Planning Department to move forward in a good faith effort was one of the reasons they have been able to use the site for the contractor's storage business without receiving violations or fines from the Code Enforcement Department. Although the City's Code Enforcement Department can issue fines, violations or require closure of any businesses without land use approval, they had been holding off on active enforcement for projects going through the process.

In addition, development fees must be paid upon use of the property, not issuance of building permits or grading permits. From Ord. 659:
For Development Projects which the County of Riverside does not require a final inspection or issue a certificate of occupancy, the DIF shall be paid prior to any use or occupancy.
The site is being used and occupied at this point and we could require the payment of these fees now.

The Planning Department has worked with the property owners on the timing. Under the Ladd Contractor's Storage Yard, the timing for compliance with the conditions of approval was required to be met in less time, so under the new plot plan, we have actually provided more time for completion.

Riverside County Flood reviewed the project and understand that the site is within a floodplain. There is nothing prohibiting the road improvements within the floodplain.

Any utilities not available onsite need to be extended to the property including water, sewer, electric and communications. You will need to prepare plans detailing the extensions during permitting.

You can contact our Engineering Department to discuss the thickness of the AC.

For the other contractor's storage yards, I contacted our Code Enforcement Department a while back and will follow up with them regarding the condition compliance.

There are no pending proposals across the street from the property.

If the property owner's are not willing to accept the conditions of approval, then the Planning Department will have to move the project forward to next Planning Commission meeting with a recommendation for denial.

Thank you,

Lisa Gordon
Senior Planner

City of Menifee
29714 Haun Road
Menifee, CA 92586

Direct Line: (951) 639-1368 ext. 120
City Hall: (951) 672-6777

From: [redacted]
Sent: Monday, October 15, 2012 2:05 PM
To: Lisa Gordon
Cc: 'Teresa Woods'
Subject: FW: DAWSON

Hi Lisa,

As I mentioned to you in the voice mail, the owners have review the conditions for the contractor storage yard on Dawson Road and have some fairly substantial concerns. See the email below. I am sorry for the late notice, but I think it may be a good idea to postpone the hearing that is schedule for next week until we have a chance to work out these issues. Thanks,

[redacted]
Engineering Partner
Office: 858 217-6870
Cell: 619 322-0712

From [redacted]
Sent: Thursday, October 04, 2012 5:54 PM
To [redacted]
Subject: DAWSON

H[redacted]

[redacted]got together and went over the Dawson conditions and they cannot accept the conditions (i.e. Planning Environmental Fee of $66,000) which are tied to time (18 months) and not development or grading permits. They are fine paying fees when they can actually develop the property and are probably fine doing frontage improvements. The road and utility improvements should also be tied to when development is permitted (and the property is out of the floodplain). Is there something in the code that prohibits development in the floodplain? The road improvements would be in the floodplain and should therefore not be permitted until the County drainage improvements are completed. The same for the other utility improvements.

Do you know the exact type of offsite utility improvements that are being required? Water, Sewer, Storm Drain, Reclaimed Water, Phone, etc? Also do you know the thickness of base and AC on the offsite improvements. It indicates standard 106 and that standard indicates it depends on conditions.

We are also going to talk t [redacted]nd the Land Stewards to see what their status is on submitting road and utility improvement plans. Can you has Lisa what the status is of the other properties regarding their compliance with their conditions? Also, are there any pending proposals on the property across the street? Call me so we can talk. I know we are scheduled for 10/23, maybe we could get a short postponement to resolve the timing of the conditions.

Basically, the guys do not feel that they should be required to install improvements offsite when no one else is doing anything. If the City is not going to enforce its conditions on the other property owners, then they are not going to participate either. There are only storing equipment . Thanks

[redacted]

Inspection	Scott Stoll	10/17/2012	1:00 pm	0.90	On 10.17.2012, at approximately 1000 hours, I arrived at the subject property in response to a request for service I received from City of Menifee Planning Department. I walked onto the property and made contact with a WMA who verbally told me his name wa [redacted]. I identified myself and explained the purpose of my visit. I explained to [redacted] that the company is in violation of their Conditional Use Permit (CUP.) I explained the City of Menifee Planning

					Department is the entity to contact to clear this matter. I provided my business card. Took pictures and uploaded the photographs into the case file.
Inspection	Scott Stoll	11/13/2012	10:00 am	0.00	On 11/13/12, at approximately 0940 hours, I arrived at the subject property in response to a request for service. This request was generated by the City of Menifee Planning Department. Upon arrival, I observed a large commercial site. City of Menifee Planning Department is taking this property to the Planning Commission on 11/27/2012. I issued a Notice of Violation.
Notice of Violation	Scott Stoll	11/13/2012	12:04 pm	0.00	Send to (Owner,Property Location)
Case Notes	Scott Stoll	11/13/2012	12:05 pm	0.00	NOV issued late. Two commercial properties adjacent to each other, placed information in wrong case, just corrected
Inspection	Scott Stoll	12/10/2012	10:23 am	0.50	awaiting planning commission
Case Notes	Scott Stoll	12/10/2012	10:24 am	0.00	Date changed to coreespond with planning commision.
Inspection	Scott Stoll	06/26/2013	3:11 pm	0.00	
Inspection	Scott Stoll	09/04/2013	1:37 pm	0.00	
Inspection	Scott Stoll	09/19/2013	9:30 am	0.50	I arrived at the subject property for the purpose of a follow up inspection. The code violations remain. I spoke with the company Representative . The company is in the process of vacating and will need until January of 2014. I granted the request due to the amount of heavy equipment observed at the property
Inspection	Scott Stoll	03/20/2014	12:19 pm	0.50	I arrived at the subject property for a follow up inspection. The property has been vacated and the code violations have been abated. Case closed

Violations

#	Violation Type	Grouping	Due Date	Status	Closed Date
1	Public Nuisance - Dilapidated Fencing - MMC § 11.20.010(O) Corrections Required:It hereby is declared to be a PUBLIC NUISANCE for any person owning, leasing, occupying or having charge or possession of any premises in the city to maintain the premises in a manner that any of the following conditions exist in, on or around the premises: (O) Any zoning violation which shall include, but is not limited to, a use of property in violation of federal, state or local law or zoning, or any device, sign, decoration, design or fence (outside a structure) which is unsightly given its condition or inappropriate location; - The property owner shall take immediate action to correct the substandard condition. If necessary, the property owner shall obtain permits to rehabilitate the structure(s) and make all necessary corrections. If permits or plans are required, please contact Planning or Building & Safety at (951) 672-6777 for information on obtaining building permits and permitting requirements. All required permits must be obtained, inspected and approved by Building & Safety. - ** SP Zone.	1		Open	

Inspection Notes

Date: _____ Time: _____

Findings:_____

_____

_____

_____

Photographs





IMG_1295.jpg



IMG_1293.jpg

IMG_1292.jpg



IMG_1294.jpg

Thomas, Margaret

From: City of Menifee Public Records <menifeeca@public-records-requests.com>
Sent: Wednesday, May 26, 2021 5:29 PM
To: Thomas, Margaret
Subject: Your City of Menifee public records request #21-247 has been closed.

Building Department FOIA

-- Attach a non-image file and/or reply ABOVE THIS LINE with a message, and it will be sent to staff on this request. --

City of Menifee Public Records

Record request #21-247 has been closed and published. The closure reason supplied was:

The City of Menifee has received and reviewed Request No. 21-247.

This letter shall serve as notification of the City's intent to comply with your request for public records, pursuant to the California Public Records Act (Government Code Section 6250 et seq.).

The City is not in possession of any records that are responsive to this request. Unfortunately, we are unable to produce records that are responsive to this request.

Please check with Riverside County for records prior to incorporation(2008).

View Request 21-247

http://cityofmenifeeca.nextrequest.com/requests/21-247

POWERED BY NEXTREQUEST

The All in One Records Requests Platform

Questions about your request? Reply to this email or sign in to contact staff at City of Menifee.

Technical support: See our help page

ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
21-308686.4

AFX Reference Number:
79-199057-47

Subject Property:
ANTELOPE ROAD
MENIFEE, CA 92585

Effective:
04/23/2021

Completed:
05/05/2021

AFX RESEARCH, LLC

A Quarter-Century of Title Document Research Expertise

999 Monterey St. Suite 380, San Luis Obispo, CA 93401

(877) 848-5337 / www.afxllc.com

Order #: 21-308686.4 | Reference #: 79-199057-47 | Completed: 05/05/2021 | Effective: 04/23/2021

SOURCES SEARCHED

Source 1: RIVERSIDE COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): KAVIANNA INC, A CALIFORNIA CORPORATION
Street Address: ANTELOPE ROAD
City, State Zip Code: MENIFEE, CA 92585
APN/Parcel/PIN: 331-150-036 County: RIVERSIDE
Legal Description: 9.70 ACRES IN LOTS 99 & 100 MB 011/038 TRUMBLE FARMS

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 02/24/2020 Instrument: 2020-0082927
Dated: 02/20/2020
Grantor(s): KIEWIT INFRASTRUCTURE CO. FORMERLY KNOWN AS KIEWIT CONSTRUCTION COMPANY, A DELAWARE CORPORATION
Grantee(s): KAVIANNA INC, A CALIFORNIA CORPORATION

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
21-308686.4

AFX Reference Number:
79-199057-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

Our professional network of trained researchers follow established industry protocols and use client-supplied property information to complete this Environmental Lien and AUL report. The research is conducted at all appropriate government offices based on the location of the subject property. This would include City, County, State, Federal and Tribal offices as needed. The report includes:

- Current deed information (i.e. grantor, grantee, recording dates)
- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
- Any Environmental Liens and/or documents referencing AULs that are listed within our summary report

DISCLAIMER

This report was prepared for the intended use of AFX Research, LLC (AFX) and client, exclusively. This report is not a guarantee of title, nor a commitment to insure, nor a policy of title insurance. No warranty, expressed or implied, is made whatsoever in connection with this report. AFX Research, LLC specifically disclaims the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

Riverside County Parcel Report

APN(s):331150041

DISCLAIMER

Maps, permit information and data are to be used for reference purposes only. Map features are approximate, and are not necessarily accurate to surveying or engineering standards. The County of Riverside makes no warranty or guarantee as to the content (the source is often third party), accuracy, timeliness, or completeness of any of the data provided, and assumes no legal responsibility for the information contained on this map. Any use of this product with respect to accuracy and precision shall be the sole responsibility of the user.

MAPS/IMAGES



PARCEL

APN	331-150-041-0	Supervisorial District	JEFF HEWITT, DISTRICT 5
Previous APN	331150041 331150038	Township/Range	T5SR3W SEC 15 E
Owner Name	331150041 MALVINDER SINGH DUTTA TAJINDER SINGH DUTTA	Elevation	1440 ft
Address		Thomas Bros. Map Page/Grid	PAGE: 838, GRID: D2 PAGE: 838, GRID: E2
Mailing Address	331150041 14851 WHITE BOX LN MORENO VALLEY CA 92555	Indian Tribal Land	NOT IN A TRIBAL LAND
Legal Description	331150041 Recorded Book/Page: MB 11/38 Subdivsion Name: TRUMBLE FARMS Lot/Parcel: 101 Block: Tract Number:	City Boundary	MENIFEE
		City Spheres of influence	NOT IN A CITY SPHERE
Lot Size	331150041 Recorded lot size is 4.86 acres	March Joint Powers Authority	NOT IN THE JURISDICTION OF THE MARCH JOINT POWERS AUTHORITY

Property Characteristcs	331150041 Year Constructed: Baths: Bedrooms: Construction Type: Garage Type: Property Area (sq ft): Roof Type: Stories: Pool: NO Central Cool: NO Central Heat: NO	County Service Area	146- LAKEVIEW/NUEVO/ROMOLAND/HOMELAND ST LIGHTING, LIBRARY
Annexation Date	2007-40-3&5 10/01/2008	LAFCO Case	2007-40-3&5 10/01/2008
Proposals	N/A		

PLANNING more...

Specific Plans	NOT IN A SPECIFIC PLAN	Historic Preservation Districts	NOT IN A HISTORIC PRESERVATION DISTRICT
Land Use Designations	CITY	Agricultural Preserve	NOT IN AN AGRICULTRAL PRESERVE
General Plan Policy Overlays	N/A		
Area Plan (RCIP)	Harvest Valley / Winchester	Airport Influence Areas	MARCH AIR RESERVE BASE
General Plan Policy Areas	NOT IN A GENERAL PLAN POLICY AREA	Airport Compatibility Zones	MARCH AIR RESERVE BASE, ZONE E
Zoning Classifications (ORD. 348)	CHECK WITH THE CITY FOR MORE INFORMATION	Zoning Districts and Zoning Areas	NOT IN A ZONING DISTRICT/AREA
Zoning Overlays	NOT IN A ZONING OVERLAY	Community Advisory Councils	NOT IN A COMMUNITY ADVISORY COUNCIL

Residential Permit Stats

N/A

ENVIRONMENTAL more...

CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Plan Area	NOT IN A COACHELLA VALLEY MSHCP FEE AREA	WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Cell Group	NOT IN A CELL GROUP
CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Conservation Area	NOT COACHELLA VALLEY CONSERVATION AREA	WRMSHCP Cell Number	NOT IN A CELL NUMBER
CVMSHCP Fluvial Sand Transport Special Provision Areas	NOT IN A FLUVIAL SAND TRANSPORT SPECIAL PROVISION AREA	HANS/ERP (Habitat Acquisition and Negotiation Strategy/Expedited Review Process)	NOT IN A HANS/ERP PROJECT
WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Plan Area	WESTERN RIVERSIDE COUNTY	Vegetation (2005)	URBAN OR DEVELOPMENT MAPPING UNIT

Fire

Fire Hazard Classification (Ord. 787)	NOT IN A FIRE HAZARD ZONE	Fire Responsibility Area	NOT IN A FIRE RESPONSIBILITY AREA

DEVELOPMENT FEES

CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Fee Area (Ord 875)	NOT IN A COACHELLA VALLEY MSHCP FEE AREA	RBBD (Road & Bridge Benefit District)	NOT IN A ROAD BRIDGE BENEFIT DISTRICT
WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Fee Area (Ord. 810)	WESTERN RIVERSIDE COUNTY	DIF (Development Impact Fee Area Ord. 659)	HARVEST VALLEY/WINCHESTER,

			AREA 16
Western TUMF (Transportation Uniform Mitigation Fee Ord. 824)	IN OR PARTIALLY WITHIN A TUMF FEE AREA	SKR Fee Area (Stephenâ€™s Kagaroo Rat Ord. 663.10)	IN OR PARTIALLY WITHIN THE SKR FEE AREA
Eastern TUMF (Transportation Uniform Mitigation Fee Ord. 673)	NOT IN THE EASTERN TUMF FEE AREA	DA (Development Agreements)	NOT IN A DEVELOPMENT AGREEMENT

TRANSPORTATION more...

Circulation Element Ultimate Right-of-Way	NOT IN A CIRCULATION ELEMENT RIGHT-OF-WAY	Road Book Page	64
		Transportation Agreements	NOT IN A TRANS AGREEMENT
		CETAP (Community and Environmental Transportation Acceptability Process) Corridors	NOT IN A CETAP CORRIDOR

HYDROLOGY

Flood Plan Review	OUTSIDE FLOODPLAIN, REVIEW NOT REQUIRED	Watershed	SAN JACINTO VALLEY
Water District	EASTERN MUNICIPAL WATER DISTRICT		
Flood Control District	RIVERSIDE COUNTY FLOOD CONTROL DISTRICT		

GEOLOGIC

Fault Zone	NOT IN A FAULT ZONE	Paleontological Sensitivity	HIGH SENSITIVITY (HIGH B): SENSITIVITY EQUIVALENT TO HIGH A, BUT IS BASED ON THE OCCURRENCE OF FOSSILS AT A SPECIFIED DEPTH BELOW THE SURFACE. THE CATEGORY HIGH B INDICATES THAT FOSSILS ARE LIKELY TO BE ENCOUNTERED AT OR BELOW FOUR FEET OF DEPTH, AND MAY BE IMPACTED DURING EXCAVATION BY CONSTRUCTION ACTIVITIES.
Faults	NOT IN A FAULT LINE		
Liquefaction Potential	LOW		
Subsidence	SUSCEPTIBLE		

MISCELLANEOUS

School District	ROMOLAND & PERRIS UNION HIGH
Communities	ROMOLAND
Lighting (Ord. 655)	ZONE: B
2010 Census Tract	427.28
Farmland	OTHER LANDS
Special Notes	NO SPECIAL NOTES
Tax Rate Areas	026232 - CITY OF MENIFEE 026232 - CITY OF MENIFEE FIRE PROTECTION 026232 - CO FREE LIBRARY 026232 - CSA 145 MENIFEE 026232 - CSA 146 MENIFEE 026232 - CSA 152 026232 - CSA 33 MENIFEE 026232 - CSA 86 MENIFEE 026232 - EMWD 026232 - EMWD IMP DIST 13 026232 - EMWD IMP DIST A 026232 - ERAF RDV 026232 - FLOOD CONTROL ADMIN 026232 - FLOOD CONTROL ZN 4 026232 - GENERAL 026232 - GENERAL PURPOSE 026232 - MT SAN JACINTO JR COLLEGE 026232 - MWD EAST 1301999 026232 - PERRIS AREA ELEM SCHOOL FUND

026232 - PERRIS JR HIGH AREA FUND
026232 - PERRIS UNION HS
026232 - PERRIS VALLEY CEMETERY
026232 - RDV PROJ 5 ROMO 86 03 ANX AB1290
026232 - RIV CO REGIONAL PARK & OPEN SP
026232 - RIVERSIDE CO OFC OF EDUCATION
026232 - ROMOLAND SCHOOL
026232 - SAN JACINTO BASIN RESOURCE CONS
026232 - SO. CALIF,JT(19,30,33,36,37,56)
026232 - VALLEY HEALTH SYSTEM HOSP DIST

Department of Enviromental Health Permits

Septic Permits

Record Id	Application Date	Plan Check Approved Date	Final Inspection Date	Approved Date
N/A	N/A	N/A	N/A	N/A

Well Water Permits

Record Id	PE	Permit Paid Date	Permit Approved Date	Well Finaled Date
N/A	N/A	N/A	N/A	N/A

PLUS PERMITS & CASES

Administrative Cases

Case		Case Description	Status
N/A	N/A		N/A

Building and Safety Cases

Case		Case Description	Status
N/A	N/A		N/A

Code Cases

Case		Case Description	Status
N/A	N/A		N/A

Fire Cases

Case		Case Description	Status
FHAZ0104544			Closed - Verified Non-Billable

Planning Cases

Case		Case Description	Status
CFG02596	EA39137		PAID
CFG04786	CA FISH & GAME FEE FOR EA41423		PAID
EA37834	ENVIRONMENTAL ASSESSMENT FOR CUP03300		APPROVED
EA39137	PP18747 PM31642 CFG02596		WITHDRAWN
EA41423	FOR PP22854		WITHDRAWN
GEO02234	GEOLOGIC REVIEW FOR PP2010-049 & PM2010-050 (CITY OF MENIFEE)		APPROVED
PDB05304	HABITAT SUITABILITY FOR THE BUOWL REPORT:5/5/04 SURVEY:4/13/04 PREPARED BY:THOMAS LESLIE CORPORATION		APPROVED

PM31642	DIVIDE 5 ACRES INTO 2 INDUSTRIAL PARCELS	ANNEXED
PP22854	CONTRACTOR STORAGE YARD	APPROVED
TUP00174	TEMPORARY HEAVY EQUIPMENT STORAGE FROM MWD RESEVOI	APPROVED

Survey Cases

Case	Case Description	Status
MAP31642		ISSUED
MAP36393		ISSUED
ROS00050	LOTS 99/100/125 & 126 TRUMBLE FARMS MB 11/38	RECORDED

Transportation Cases

Case	Case Description	Status
N/A	N/A	N/A

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	331150041
APN	331150041
Property Type	Vacant Commercial Land
Neighborhood	Land - Banning, Beaumont, Lake Elsinore, Perris, Moreno Valley,
Acreage	4.86

Legal Description

4.86 ACRES M/L IN LOT 101 MB 011/038 TRUMBLE FARMS Lot 101 SubdivisionName TRUMBLE FARMS Acres 004.86 M/L LotType Lot RecMapType Map Book MapPlatB 011 MapPlatP 038

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2017	Other 01/01/2017					$834,159			$834,159
2018	Other 01/01/2018					$850,842			$850,842
2019	01/01/2019					$867,858			$867,858
2020	01/01/2020					$885,215			$885,215

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2017					$834,159			$834,159			$834,159
2018					$850,842			$850,842			$850,842
2019					$867,858			$867,858			$867,858
2020					$885,215			$885,215			$885,215

Transfer History

Doc #	Sales Price	Date	Vacant Land
2020-0481481	$750,000	10/7/2020	True
2009-0628144	$750,000	12/7/2009	True
2003-5339273	$0	5/1/2003	True
2000-0340310	$0	8/30/2000	True

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Commercial	LandLine 01 / 331150041 / Commercial	4.86	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 5/5/2021

ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
21-308686.5

AFX Reference Number:
79-199060-47

Subject Property:
ANTELOPE ROAD
MENIFEE, CA 92555

Effective:
04/29/2021

Completed:
05/10/2021

AFX RESEARCH, LLC

A Quarter-Century of Title Document Research Expertise

999 Monterey St. Suite 380, San Luis Obispo, CA 93401

(877) 848-5337 / www.afxllc.com

Order #: 21-308686.5 | Reference #: 79-199060-47 | Completed: 05/10/2021 | Effective: 04/29/2021

SOURCES SEARCHED

Source 1: RIVERSIDE COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): MALVINDER SINGH DUTTA, AS A MARRIED MAN AND TAJINDER SINGH DUTTA, A MARRIED MAN, EACH AS TO AN UNDIVIDED 50% INTEREST AS T/C
Street Address: ANTELOPE ROAD
City, State Zip Code: MENIFEE, CA 92555
APN/Parcel/PIN: 331-150-041 County: RIVERSIDE
Legal Description: 4.86 ACRES M/L IN LOT 101 MB 011/038 TRUMBLE FARMS

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 10/07/2020 Instrument: 2020-0481481
Dated: 09/10/2020
Grantor(s): ENGINEERING PROPERTIES LLC
Grantee(s): MALVINDER SINGH DUTTA, AS A MARRIED MAN AND TAJINDER SINGH DUTTA, A MARRIED MAN, EACH AS TO AN UNDIVIDED 50% INTEREST AS T/C
Notes: INTERSPOUSAL TRANSFER GRANT DEED, R. 10-7-20, 2020-0481482 & 2020-0481483; JASMEET KOUR, SPOUSE OF GRANTEE TO TAJINDER SINGH DUTTA, A MARRIED MAN AS HIS SOLE & SEPARATE PROPERTY, AND SIMPLE KAUR DUTTA, SPOUSE OF GRANTEE TO MALVINDER SINGH DUTTA, AS A MARRIED MAN

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
21-308686.5

AFX Reference Number:
79-199060-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

Our professional network of trained researchers follow established industry protocols and use client-supplied property information to complete this Environmental Lien and AUL report. The research is conducted at all appropriate government offices based on the location of the subject property. This would include City, County, State, Federal and Tribal offices as needed. The report includes:

- Current deed information (i.e. grantor, grantee, recording dates)
- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
- Any Environmental Liens and/or documents referencing AULs that are listed within our summary report

DISCLAIMER

This report was prepared for the intended use of AFX Research, LLC (AFX) and client, exclusively. This report is not a guarantee of title, nor a commitment to insure, nor a policy of title insurance. No warranty, expressed or implied, is made whatsoever in connection with this report. AFX Research, LLC specifically disclaims the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

Code Enforcement Case: CE-11-1337

Entered on: 10/21/2011 2:04 PM
Printed on: 05/11/2021

Topic: Zoning Violation
Status: Closed
Due Date: 11/20/11
Assigned To: Scott Stoll
Initiated by: Other Agency
Hearing Date:
Hearing Time:

Permit

Permit #:
Business name:
License #:

Property Location

Occupant Name:
Address: ,
Phone:
Cell #:
APN : 331-150-042

Owner Information

Owner Name: GENTILLON,JOHN VAL & LEYSA SWA

[redacted]

Cell #:

Actions

Action	By	Date	Time	Hours	Note/Observation
Case Notes	Aviegail Barron	10/21/2011	2:04 pm	0.00	Transfer CV05-1296; illegal land use, storage yard business and mobile home installed w/o permit. Old case file added as attachment.
Case Notes	Mike Jiles	10/19/2012	9:30 am	0.00	Case closed - no new complaint, and statute of limitations expired. Approved by C. McNie, BO.

Violations

#	Violation Type	Grouping	Due Date	Status	Closed Date

Inspection Notes

Date: _____ Time: _____

Findings:_____

_____

_____

_____

Code Enforcement Case: CE-11-1340

Entered on: 10/24/2011 10:15 AM
Printed on: 05/11/2021

Topic: Zoning Violation
Status: Closed
Due Date: 11/23/11
Assigned To: Scott Stoll
Initiated by: Other City Dept
Hearing Date:
Hearing Time:

Permit

Permit #:
Business name:
License #:

Property Location

Occupant Name:
Address: ,
Phone:
Cell #:
APN : 331-150-042

Owner Information

Owner Name: GENTILLON,JOHN VAL & LEYSA SWA

[redacted]

Phone:
Cell #:

Actions

Action	By	Date	Time	Hours	Note/Observation
Complaint	Wayne O'Gara	09/06/2011	4:16 pm	0.00	Request 1536-Lisa Gordon - San Diego Erosion Control (PP18747) has not complied with their conditions of approval. COAs were to be met at specific milestones, which have passed. Substantial construction of improvements required within 2 years of project approval, which has also passed.
Case Notes	Mike Jiles	10/19/2012	9:31 am	0.00	Case closed - no new complaint, and statute of limitations expired. Approved by C. McNie, BO.

Violations

#	Violation Type	Grouping	Due Date	Status	Closed Date

Additional Addresses

Address Type:Complainant
Name:Lisa Gordon
Address:
,
Phone:(951) 672-6777 Cell #:

Inspection Notes

Date: _____ Time: _____

Findings:_____

_____

_____

_____

Code Enforcement Case: CE-11-1377

Entered on: 11/01/2011 09:24 AM
Printed on: 05/13/2021

Topic: Zoning Violation
Status: Closed
Due Date: 08/15/14
Assigned To: Scott Stoll
Initiated by: Other City Dept
Hearing Date:
Hearing Time:

Permit

Permit #:
Business name:
License #:

Property Location

Occupant Name:
Address: 26400 DAWSON RD , 92585-9798
Phone:
Cell #:
APN : 331-150-024

Owner Information

Owner Name: GENTILLON,JOHN VAL
Address [redacted]
[redacted]4
Phone:
Cell #: 619 520-3312

Actions

Action	By	Date	Time	Hours	Note/Observation
Complaint	Carmen Cave	09/06/2011	4:16 pm	0.00	Request 1536-Lisa Gordon - San Diego Erosion Control (PP18747) has not complied with their conditions of approval. COAs were to be met at specific milestones, which have passed. Substantial construction of improvements required within 2 years of project approval, which has also passed.
Case Notes	Aviegail Barron	06/28/2012	9:35 am	0.00	Case reassigned to S.Stoll as location is located in officer area
Case Notes	Aviegail Barron	06/28/2012	9:37 am	0.00	The following email was rec'vd from Planning Dept., L.Gordon: Good Morning: The property owner and representative came in to discuss how to remove a notice of non-compliance from their property for land use violations. The options are: 1. Process a plot plan, get it approved and actually fulfill the COAs. a. The property owner previously processed PP18747 for his business but did not comply with ANY of the COAs and the plot plan expired. b. The property owner thinks this option is too expensive and is most likely not going to go with this option. 2. Remove entire business and all unpermitted structures from the site. a. Would require Code Enforcement site visit to verify that no land use or business is operating or existing with the site. b. The property owner seems to be leaning towards this option. I referred the property owner back to Code Enforcement for the site visit once they have the business removed. APNS: 331150024 and 331150042 Thank you, Lisa Gordon Senior Planner City of Menifee 29714 Haun Road Menifee, CA 92586 Direct Line: (951) 639-1368 ext. 120 City Hall: (951) 672-6777

Case Notes	Mike Jiles	10/19/2012 9:31 am	0.00	Case closed - no new complaint, and statute of limitations expired. Approved by C. McNie, BO.
Inspection	Scott Stoll	08/12/2013 1:45 pm	0.50	On 08/12/2013, at approximately 1400 hours, I arrived at the subject property in response to a request for service. The case was closed by Mike Giles (not sure why.) The case is a 2011 case due Giles closing the case as I work the open/ pending cases. The property does not have Land use entitlement and in violation per the City of Menifee Planning Department. I issued an NOV for violation of the zoning restrictions.
Notice of Violation	Scott Stoll	08/12/2013 1:46 pm	0.00	Send to (Owner), Service By(Mailed)
Inspection	Scott Stoll	09/04/2013 11:00 am	0.50	I received the following emails from the City of Menifee Planning Department. [redacted]n of 36400 Dawson Road came in today in reference to his code enforcement notice. He broght his conditions of approval for his previously approved case. His previous approval expired June 2012 due to the fact that he did not request an extension of time. I gave him the application and fee sheet for him to apply for a contractor's storage yard. I also determined that the new general plan allows for heavy industrial use on his property. Just wanted to give you an update on my discussions with this person. Kim Johnson Planning
Case Notes	Scott Stoll	09/04/2013 11:30 am	0.00	This gentleman had a contractor's storage yard and started the process through the county to legalize it and get a zone change to heavy manufacturing. When we became a city we took over the case. It was approved by the city in June 2009. The conditions gave him a 3 year life, with the option of applying for 2 – one year extensions of time. He should have applied for an EOT in spring 2012 and again in spring 2013. He didn't do that. So his approval expired in June 2012 and he no longer has an approval to legalize his business. On top of everything else, he really didn't comply with his conditions of approval. The reason for giving him just 3 years (plus 2 EOTS) was because we were doing our general plan and needed to see what uses should be allowed on his property. That is almost done now and the draft plan calls for his property to have a heavy industrial designation, which is good for him. So he knew that the time was coming when he would have to apply for conditional use permit to make his use permanent. That time has come for him a year sooner because he didn't pay attention to his conditions of approval. I am sure he will need curb and gutter, among other things, when he get his new approval. Let me know if there is any other info you need. Kim From: Scott Stoll Sent: Wednesday, September 04, 2013 10:43 AM To: Kim Johnson Subject: RE: RE: CE-11-1377 Hi Kim, Lisa (Planning) generated this code case due to No Land Use Entitlement. Apparently the parcels utilized on Dawson Rd need to comply with the expense of curbs and gutters. I haven't looked at the case as of yet. It is a 2011 case. If you further information could you please alert me? Scott
Case Notes	Scott Stoll	09/04/2013 11:30 am	0.00	We cannot give him the extensions now because he was supposed to apply for the first one a year and a half ago. I already checked with my boss on that.
Case Notes	Scott Stoll	09/13/2013 4:11 pm	0.00	returned phone call. Business owner and I discussed case status
Case Notes	Scott Stoll	09/18/2013 12:30 pm	0.50	I have communicated with my supervision regarding this case. I was advised not to close it, but not to have further enforcement until Planning makes a final decision regarding the property owners re newel application
Case Notes	Scott Stoll	10/07/2013 9:30 am	0.50	I received a voice mail from the property owner. I returned the call and we discussed the case/ I was directed by supervision to hold off on enforcement until Planning and the property owner come to a decision. The property owner thanked me for my time. I placed his cell number into the case file
Inspection	Scott	12/03/2013 11:32 am	0.00	I have communicated with my supervision regarding this case. I was advised not

	Stoll			to close it, but not to have further enforcement until Planning makes a final decision regarding the property owners re newel application
Case Notes	Scott Stoll	12/03/2013 12:09 pm	0.00	They had a plot plan approved a long time ago (2008) and never made any of the site improvements they were supposed to make. Same deal as Dawson Contractor's Storage Yard. The businesses are conditioned to do certain improvements within 6 months, 12 months, etc – and then they never do them. So, San Diego Erosion Control is not in compliance. Neither is Dawson's. From: Scott Stoll Sent: Tuesday, December 03, 2013 12:01 PM To: Lisa Gordon Subject: RE: FYI What is the status with San Diego Erosion? Two parcels to the south ? From: Lisa Gordon Sent: Tuesday, December 03, 2013 12:00 PM To: Scott Stoll Subject: RE: FYI Because they don't want to spend any money improving the site… From: Scott Stoll Sent: Tuesday, December 03, 2013 11:58 AM To: Lisa Gordon Subject: RE: FYI They have been in communication with me. I was told they decided to "leave" the property. From: Lisa Gordon Sent: Tuesday, December 03, 2013 11:52 AM To: Scott Stoll Subject: RE: FYI I was working with Kiewit. They were supposed to submit a new CUP or cease the use completely. Thanks, Lisa From: Scott Stoll Sent: Tuesday, December 03, 2013 11:20 AM To: Lisa Gordon Subject: FYI Lisa, I am unsure who is working on the [redacted] case on your end, but I just conducted a follow up inspection. 70 percent of the equipment has been removed from the subject property.
Inspection	Scott Stoll	03/27/2014 12:17 pm	0.50	I arrived at the subject property for the purpose of a follow up inspection. Due to the rural area and the vacant lots I had to read the case fie to determine the correct business and what communication the business owner and the City have had if any. I called the Property Owner and provided my call back number. Upon receiving a return phone call, I can update the case.
Inspection	Scott Stoll	08/01/2014 12:46 pm	0.50	I arrived at the subject property for the purpose of a follow up inspection. I read the case file. Due to the laps of enforcement action I resent a NOV
Notice of Violation	Scott Stoll	08/01/2014 12:46 pm	0.00	Send to (Owner), Service By(Mailed)
Follow-Up Inspection	Scott Stoll	08/26/2014 11:09 am	0.50	I arrived at the subject property for the purpose of a follow up inspection. The property is secured with a locked chain link fence. I observed equipment with San Diego Erosion Control insignia, but I did not observe any employees or activity. Due to the date of this case and unclear where this case is with its respective department with City Hall, I am closing this case, but I will re open upon request

Violations

#	Violation Type	Grouping	Due Date	Status	Closed Date

1 Zoning Violation - Illegal Land Use - EDC-CC - MMC § 9.140.030 1 Open
Corrections Required:Discontinue use. Menifee City Planning Department approval and completed conditions are necessary prior to conducting this use. Contact the Planning Department at 951-672-6777 for further information.

Additional Addresses

Address Type:Complainant
Name:Lisa Gordon
Address:
,
Phone:(951) 672-6777 Cell #:

Inspection Notes

Date: _____ Time: _____

Findings:_____

_____

_____

_____

RiversideCountyCAProd

Plan Number: PDB05303

Plan Details () | Tab Elements () | Main Menu ()

(.multi-collapse)

Type:
Planning Biological Report (PDB) - PDB01 - PDB Planning Biological Report

Status:
Approved

Project Name:

Applied Date:
01/25/2008

Expiration Date:

District:
N/A

Assigned To:

Completion Date:

Description:
RESULTS OF A 2008 FIELD SURVEY REPORT:1/20/08 PREPARED BY: THOMAS LESLIE CORPORATION

Summary | Locations | Fees | Inspections | Attachments | Contacts | Sub-Records | More Info

RiversideCountyCAProd

Inspection Number: FHAZ0705851-II

Inspection Details () | Tab Elements () | Main Menu ()

Inspection Type:
FPS: Initial Inspection (Hazard Reduction - FHAZ)

Requested Date:

Requested Time:

Inspection Status:
Approved

Scheduled Date:
06/14/2007

Code Case Number:
FHAZ0705851

Completed Date:
06/14/2007

Locations | Contacts | Checklist | Fees | Attachments | Previous | More Info

- This information is not available.

WATCH: Online How-To Videos

RiversideCountyCAProd

Plan Number: PP18747

Plan Details () | Tab Elements () | Main Menu ()

(.multi-collapse)

Type:

Plot Plan Transmitted (PPT) - PPT01 - Transmitted - Not CEQA Exempt

Status:

Approved

Project Name:

CC001976

Applied Date:

07/16/2003

Expiration Date:

06/16/2011

District:

District 3

Assigned To:

Completion Date:

08/25/2009

Description:

EROSION CONTROL/CONTRACTOR STORAGE & FABRICATION YARD

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	331150042
APN	331150042
Property Type	Vacant Commercial Land
Neighborhood	Land - Banning, Beaumont, Lake Elsinore, Perris, Moreno Valley,
Acreage	4.86

Legal Description

4.86 ACRES M/L IN LOT 102 MB 011/038 TRUMBLE FARMS Lot 102 SubdivisionName TRUMBLE FARMS Acres 004.86 M/L LotType Lot RecMapType Map Book MapPlatB 011 MapPlatP 038

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2017	Other 01/01/2017					$93,586			$93,586
2018	Other 01/01/2018					$95,457			$95,457
2019	01/01/2019					$97,366			$97,366
2020	01/01/2020					$99,313			$99,313

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2017					$93,586			$93,586			$93,586
2018					$95,457			$95,457			$95,457
2019					$97,366			$97,366			$97,366
2020					$99,313			$99,313			$99,313

Transfer History

Doc #	Sales Price	Date	Vacant Land
2003-5339273	$0	5/1/2003	True

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Commercial	LandLine 01 / 331150042 / Commercial	4.86	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 5/5/2021

ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
21-308686.6

AFX Reference Number:
79-199061-47

Subject Property:
ANTELOPE ROAD
MENIFEE, CA 92585

Effective:
04/23/2021

Completed:
05/06/2021

AFX RESEARCH, LLC

A Quarter-Century of Title Document Research Expertise

999 Monterey St. Suite 380, San Luis Obispo, CA 93401

(877) 848-5337 / www.afxllc.com

Order #: 21-308686.6 | Reference #: 79-199061-47 | Completed: 05/06/2021 | Effective: 04/23/2021

SOURCES SEARCHED

Source 1: RIVERSIDE COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): JOHN VAL GENTILLON AND LEYSA SWANSON GENTILLON, CO-TRUSTEE OF THE GENTILLON 2000 FAMILY TRUST
Street Address: ANTELOPE ROAD
City, State Zip Code: MENIFEE, CA 92585
APN/Parcel/PIN: 331-150-042 County: RIVERSIDE
Legal Description: 4.86 ACRES M/L IN LOT 102 MB 011/038 TRUMBLE FARMS

PROPERTY OWNERSHIP

Instrument: **DEED**

Date Recorded: 05/09/2003 Instrument: 2003339273
Dated: 05/05/2003
Grantor(s): LADD ASSOCIATES, INC., A CALIFORNIA CORPORATION
Grantee(s): JOHN VAL GENTILLON AND LEYSA SWANSON GENTILLON, CO-TRUSTEE OF THE GENTILLON 2000 FAMILY TRUST

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
21-308686.6

AFX Reference Number:
79-199061-47

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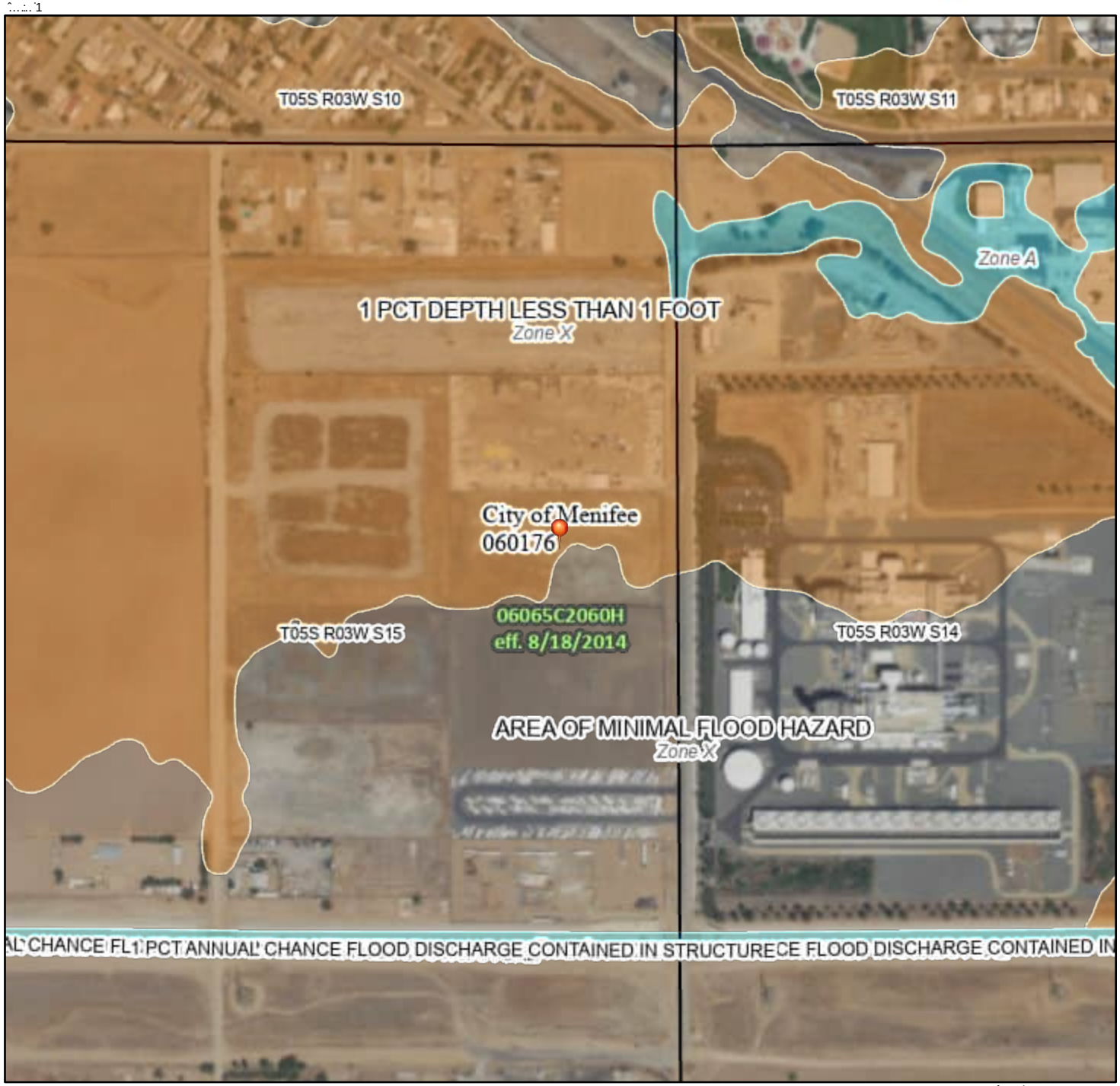
- Current deed information (i.e. grantor, grantee, recording dates)
- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
- Any Environmental Liens and/or documents referencing AULs that are listed within our summary report

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R DQQXDO FKDQFHIORRGZDWHUDH
G-HSWKOHVV WKDQRQHIRRW RU ZLWK GUDLQD
DUHDV R OHVV WKDQ VTXDUH PLOH=RQH;
)WXUH&RQGLWLRQV $QQXDO
&KDQFH)ORRG-HRDUG =RQH;
$UHDZLWK5HGXFHG)ORRG5LVNGXHWR
/HYHH 6HH1RWH =RQH;
$UHDZLWK)ORRG5LVNGXHWR/HYHH =RQH'

$UHDRI0LQLPDO)ORRG-HRDUG =RQH;
(IIHFWLYH/LQH
$UHDR8QGHWHUPLQHG)ORRG-HRDUG =RQH'
&KDQQHO &OYHUW RU 6WUXFWXUH
/HYHH'LNH RU)ORRGZDOO

&URVV6HFWLRQVZLWK$QQXDO &KDQFH
DWHU 6XUIDFH(OHYDWLRQ
&RDVWDO 7UDQVHFW
%DVH)ORRG(OHYDWLRQ/LQH %)(
/LPLW R 6WUXFWXUH
-XULVGLFWLRQ%RXQGDU\
&RDVWDO 7UDQVHFW %DVHOLQH
3URILOH%DVHOLQH
+\GURJUDSKLF)HDWXUH

L'LWDO DWD$YDLODEOH
R'LWDO DWD$YDLODEOH
8QPDSSHG

7KHSLQGLVSOD\HGRQWKHSLVDQDSSURSULDWH
SRQW VHOHFWHGEWKHXVHU DQGGRHVQRW UHSUHV
DQDWWKRULWDWLYHSURFHVV\ORFDWLRQ

7KLVPFRROLHVZLWKSVVWDQGDUGVIRU WKHXVHR
GL.LWDO IORRGPS/LI LW LVQRW YRLGV/GHVFULEHGEHORZ
7KHEDVHPHSVKRZQFRROLHVZLWKSVEDVHPHS
DFFXUDWWDQGDUG/

7KIORRGKDUGLQRUPWLRQLV GHULYHGGLUHFWO\IURPWKH
DWKRULWDWLYHJZEVHUYLFHVSURYLGHGEVS 7KLVPS
ZVHSFRUWHGRQ DW`3 DQGGRHVQW
UHOHFW FKQHV RU DPQGPQWV VXEVHXHQW WRWKLVGDWHDQG
WLFI 7KHJHQGHIHFWLYHLQRUPWLRQBFKQHRU
EHFRPXSUVHGEQHZGDWDRYHU WLFI

7KLVPSLBHLV YRLGLI WKHFHRUHR WKHIOORZLQPS
HOHQWV GRQW DSSHDU BEVHPSLBHU\ IORRGRQHODEOHV
OHHQG VFDOHEU PSFUHDWLRQGWH FRRQL W\LGHQWLILHUV
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XQPSHGDQGXQRGHUQL}HGUHDV FDQQW EHXVHGIRU
UHOODWRU\SUSRVHV

%DVHPS 86 DWLRQDO 2FHDQLF DQG $WPRVSKHULF $GPLQLVWUDWLRQ

APPENDIX C: REGULATORY DATABASE REPORT

PARTNER

DATABASE REPORT

Project Property:	*Menifee Assemblage* *n/a* *MENIFEE CA 92585*
Project No:	*21-308686.7*
Report Type:	*Database Report*
Order No:	*22052300713*
Requested by:	*Partner Engineering and Science, Inc.*
Date Completed:	*May 24, 2022*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Table of Contents.....2
Executive Summary.....3
Executive Summary: Report Summary.....4
Executive Summary: Site Report Summary - Project Property.....9
Executive Summary: Site Report Summary - Surrounding Properties.....10
Executive Summary: Summary by Data Source.....15
Map.....24
Aerial.....27
Topographic Map.....28
Detail Report.....29
Unplottable Summary.....92
Unplottable Report.....93
Appendix: Database Descriptions.....94
Definitions.....110

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Executive Summary

Property Information:

Project Property:		*Menifee Assemblage* *n/a MENIFEE CA 92585*
Project No:		*21-308686.7*
Coordinates:		
	Latitude:	
	Longitude:	
	UTM Northing:	*3,733,331.96*
	UTM Easting:	*483,882.68*
	UTM Zone:	*UTM Zone 11S*
Elevation:		*1,440 FT*

Order Information:

Order No:	*22052300713*
Date Requested:	*May 23, 2022*
Requested by:	*Partner Engineering and Science, Inc.*
Report Type:	*Database Report*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Vapor Screening Tool	*Vapor Screening Tool*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	0	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	**1**	0	-	**1**
RCRA LQG	Y	0.25	0	0	**1**	-	-	**1**
RCRA SQG	Y	0.25	0	**1**	0	-	-	**1**
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	**2**	**4**	**3**	-	-	**9**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FRP	Y	0.25	0	0	0	-	-	0
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	**1**	0	**1**	**2**
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
WMUD	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
C&D DEBRIS RECY	Y	0.5	0	0	0	0	-	0
RECYCLING	Y	0.5	0	0	0	0	-	0
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	**1**	**1**	-	**2**
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	0	**1**	**1**	-	-	**2**
UST SWEEPS	Y	0.25	0	**1**	**1**	-	-	**2**
AST	Y	0.25	0	0	0	-	-	0
AST SWRCB	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	0	0	0	-	-	0
DELISTED CTNK	Y	0.25	0	**1**	**1**	-	-	**2**
HIST TANK	Y	0.25	0	**1**	0	-	-	**1**

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
LUR	Y	0.5	0	0	0	0	-	0
CALSITES	Y	0.5	0	0	0	0	-	0
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	**1**	-	-	**1**
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County								
LOP RIVERSIDE	Y	0.5	0	0	**1**	**2**	-	**3**
UST RIVERSIDE	Y	0.25	0	0	0	-	-	0
Additional Environmental Records								
Federal								
FINDS/FRS	Y	PO	**2**	**4**	-	-	-	**6**
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
URANIUM	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
TOXIC PITS	Y	1	0	0	0	0	0	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	**1**	0	**1**	**2**
CHMIRS	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	0	**10**	-	-	-	**10**
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HW TRANSPORT	Y	0.125	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
CERS HAZ	Y	0.125	0	**2**	-	-	-	**2**
DELISTED HAZ	Y	0.5	0	**1**	0	**2**	-	**3**
GEOTRACKER	Y	0.125	0	0	-	-	-	0
MINE	Y	1	0	0	0	0	**1**	**1**
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	0	**4**	**6**	-	-	**10**
CDL	Y	0.125	0	**3**	-	-	-	**3**
Tribal	***No Tribal additional environmental record sources available for this State.***							
County								
HWG RIVERSIDE	Y	0.125	0	0	-	-	-	0
HZH RIVERSIDE	Y	0.125	0	**2**	-	-	-	**2**
MED WST RIVERSIDE	Y	0.25	0	0	0	-	-	0
RMP RIVERSIDE	Y	PO	0	-	-	-	-	0
	Total:		**4**	**35**	**19**	**5**	**3**	**66**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	RCRA NON GEN	AMERICAN CONTRACTING, INC	26245 ANTELOPE RD SUN CITY CA 92585 ***EPA Handler ID:*** *CAL000356518*	NE	0.00 / 0.00	1	29
1	RCRA NON GEN	SAHARA SCAFFOLD INC	26245 ANTELOPE RD ROMOLAND CA 92585 ***EPA Handler ID:*** *CAL000432400*	NE	0.00 / 0.00	1	30
1	FINDS/FRS	SAHARA SCAFFOLD INC	26245 ANTELOPE RD ROMOLAND CA 92585 ***Registry ID:*** *110070428592*	NE	0.00 / 0.00	1	31
1	FINDS/FRS	AMERICAN CONTRACTING, INC	26245 ANTELOPE RD SUN CITY CA 92585 ***Registry ID:*** *110070476552*	NE	0.00 / 0.00	1	31

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	HAZNET	SAN DIEGO EROSION CONTROL	26332 DAWSON RD ROMOLAND CA 925859795	WNW	0.00 / 6.78	-2	32
3	HAZNET	LADD ASSOCIATES INC	26330 DAWSON RD ROMOLAND CA 925859795	WNW	0.00 / 7.00	-2	33
3	HAZNET	LH WOODS & SONS	26330 DAWSON RD MENIFEE CA 92585	WNW	0.00 / 7.00	-2	34
3	HAZNET	FOXFIRE CONSTRUCTORS INC	26330 DAWSON RD MENIFEE CA 925859795	WNW	0.00 / 7.00	-2	35
3	HAZNET	FOXFIRE CONSTRUCTORS	26330 DAWSON RD SUN CITY CA 92585	WNW	0.00 / 7.00	-2	36
3	HAZNET	MINE DEVELOPMENT & ENGINEERING CORP	26330 DAWSON RD PERRIS CA 92585	WNW	0.00 / 7.00	-2	37
3	HAZNET	LH WOODS & SONS	26330 DAWSON RD ROMOLAND CA 92585	WNW	0.00 / 7.00	-2	37
3	HAZNET	LADD & ASSOCIATES	26330 DAWSON RD SUN CITY CA 92585	WNW	0.00 / 7.00	-2	37
4	HAZNET	AMERICAN CONTRACTING, INC	26245 ANTELOPE RD SUN CITY CA 92585	ESE	0.00 / 13.47	3	38
5	EMISSIONS	CAL MAT CO	26100 ANTELOPE RD SUN CITY CA 92585	ENE	0.01 / 44.31	4	38
5	FINDS/FRS	ROMOLAND	26100 ANTELOPE ROAD SUN CITY CA 92585 ***Registry ID:*** 110070089386	ENE	0.01 / 44.31	4	39
5	FINDS/FRS	HOLLIDAY ROCK TEMECULA 10	26100 ANTELOPE RD SUN CITY CA 92585 ***Registry ID:*** 110070089416	ENE	0.01 / 44.31	4	40

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
6	HAZNET	NEW ERA METALS INC	27915 ETHANAC RD ROMOLAND CA 92585	NNE	0.01 / 68.14	3	40
6	FINDS/FRS	NEW ERA METALSNA INC	27915 ETHANAC RD MENIFEE CA 92585 ***Registry ID:*** 110065396351	NNE	0.01 / 68.14	3	41
6	FINDS/FRS	NEW ERA METALS INC	27915 ETHANAC RO SUN CITY CA 92585 ***Registry ID:*** 110070085804	NNE	0.01 / 68.14	3	41
7	HZH RIVERSIDE	Holliday Trucking - Romoland	26100 Antelope Rd #2 Romoland CA 92585	NE	0.03 / 173.71	6	42
7	DELISTED CTNK	Holliday Trucking - Romoland	26100 ANTELOPE RD #2 ROMOLAND CA 92585	NE	0.03 / 173.71	6	42
7	RCRA NON GEN	HOLLIDAY ROCK	26100 ANTELOPE RD. MENIFEE CA 92585 ***EPA Handler ID:*** CAC003108460	NE	0.03 / 173.71	6	42
7	CERS HAZ	Holliday Trucking - Romoland	26100 ANTELOPE RD #2 ROMOLAND CA 92585	NE	0.03 / 173.71	6	43
8	CDL		25711 DAWSON RD SUN CITY CA 92586	NW	0.06 / 299.40	-1	46
8	DELISTED HAZ	Perris Yard	26245 DAWSON RD ROMOLAND CA 92585	NW	0.06 / 299.40	-1	46
9	RCRA SQG	CALMAT CO ROMOLAND	28023 ETHANAC SUN CITY CA 92585 ***EPA Handler ID:*** CAR000012500	NE	0.06 / 329.95	6	46
9	RCRA NON GEN	CITY OF MENIFEE	ETHANAC RD ANTELOPE MENIFEE CA 92586 ***EPA Handler ID:*** CAC003101032	NE	0.06 / 329.95	6	47
10	HZH RIVERSIDE	EMWD Romoland Pumping Plant	27990 Ethanac Rd Romoland CA 92585	NE	0.06 / 334.19	6	48
10	HHSS	ROMOLAND PUMPING PLANT	27990 ETHANAC ROMOLAND CA 92343	NE	0.06 / 334.19	6	48

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
10	EMISSIONS	EASTERN MUNICIPAL WATER DISTRI	27990 ETHANAC ROMOLAND CA	NE	0.06 / 334.19	6	48
10	EMISSIONS	EASTERN MUNICIPAL WATER DISTRICT	27990 ETHANAC ROMOLAND CA 92590	NE	0.06 / 334.19	6	49
10	EMISSIONS	EASTERN MUNICIPAL WATER DISTRI	27990 ETHANAC ROMOLAND CA 92590	NE	0.06 / 334.19	6	51
10	CERS HAZ	EMWD Romoland Pumping Plant	27990 ETHANAC RD ROMOLAND CA 92585	NE	0.06 / 334.19	6	52
10	HIST TANK	ROMOLAND PUMPING PLANT	27990 ETHANAC ROMOLAND CA	NE	0.06 / 334.19	6	54
10	RCRA NON GEN	ROMOLAND PUMP PLANT	27990 ETHANAC RD ROMOLAND CA 92585-9769 ***EPA Handler ID:*** CAL000325512	NE	0.06 / 334.19	6	54
10	UST SWEEPS	EMWD ROMOLAND PUMPING PLANT	27990 ETHANAC ROMOLAND CA ***C C | Status:*** A33-000-30880 | ACTIVE ***Tank ID:*** 000001	NE	0.06 / 334.19	6	55
11	CDL		27772 HARRISON ROMOLAND CA 92585	NNW	0.09 / 490.41	0	55
12	CDL		27738 HARRISON AVE ROMOLAND CA 92380	NNW	0.10 / 545.41	-1	56
13	RCRA NON GEN	AES CORP DBA AES CONSTRUCTI0N SERVICES	27955 MCLAUGHLIN AVE SUN CITY CA 92585 ***EPA Handler ID:*** CAL000378765	S	0.12 / 659.74	-1	56
14	SCH	HIGH SCHOOL NO. 3	BRIGGS ROAD/PINACATE ROAD ROMOLAND CA 92585 ***Estor/EPA ID | Cleanup Status:*** 33010072 | NO FURTHER ACTION AS OF 3/19/2003	NNE	0.17 / 904.93	8	57
14	ENVIROSTOR	HIGH SCHOOL NO. 3	BRIGGS ROAD/PINACATE ROAD ROMOLAND CA 92585 ***Estor/EPA ID | Cleanup Status:*** 33010072 | NO FURTHER ACTION AS OF 3/19/2003	NNE	0.17 / 904.93	8	58
15	RCRA NON GEN	MENIFEE COLLISION CENTER	27793 JACKSON AVE ROMOLAND CA 92585-9208	NNW	0.18 / 950.16	1	59

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: CAL000310748				
15	EMISSIONS	MENIFEE COLLISION CENTER	27793 JACKSON AVE MENIFEE CA 92585	NNW	0.18 / 950.16	1	61
16	RCRA TSD	DATATRONICS INC	28151 HWY 74 ROMOLAND CA 92585-0000 ***EPA Handler ID:*** CAD009532979	ENE	0.20 / 1,036.08	11	61
16	EMISSIONS	DATATRONICS, ROMOLAND, INC.	28151 HWY 74 ROMOLAND CA 92585	ENE	0.20 / 1,036.08	11	64
16	EMISSIONS	DATATRONICS, ROMOLAND, INC.	28151 HIGHWAY 74 ROMOLAND CA 92380	ENE	0.20 / 1,036.08	11	64
16	EMISSIONS	BOURNS, MAGNETIC DIV	28151 HIGHWAY 74 ROMOLAND CA 92380	ENE	0.20 / 1,036.08	11	65
17	DELISTED COUNTY	Inland Empire Energy Center, LLC	26226 Antelope Rd Romoland CA 92585	E	0.20 / 1,049.99	8	65
17	EMISSIONS	INLAND EMPIRE ENERGY CENTER, LLC	26226 ANTELOPE RD ROMOLAND CA 92585	E	0.20 / 1,049.99	8	65
17	EMISSIONS	INLAND EMPIRE ENERGY CENTER, LLC	26226 ANTELOPE RD MENIFEE CA 92585	E	0.20 / 1,049.99	8	67
17	DELISTED CTNK	Inland Empire Energy Center, LLC	26226 ANTELOPE RD MENIFEE CA 92585	E	0.20 / 1,049.99	8	71
17	RCRA LQG	INLAND EMPIRE ENERGY CENTER LLC	26226 ANTELOPE ROAD MENIFEE CA 92585-0000 ***EPA Handler ID:*** CAR000216952	E	0.20 / 1,049.99	8	71
17	RCRA NON GEN	INLAND EMPIRE ENERGY CENTER	26226 ANTELOPE RD MENIFEE CA 92585 ***EPA Handler ID:*** CAP000220002	E	0.20 / 1,049.99	8	79
17	RCRA NON GEN	CALPINE NOVA POWER, LLC	26226 ANTELOPE RD MENIFEE CA 92585 ***EPA Handler ID:*** CAC003147272	E	0.20 / 1,049.99	8	81
18	LOP RIVERSIDE	Romoland Market	27856 Hwy 74 Romoland CA	N	0.21 / 1,131.22	4	82

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Site ID*	*Status Desc:*** 92265 | CLOSED/ACTION COMPLETED			
18	LUST	ROMOLAND MARKET	27856 HIGHWAY 74 ROMOLAND CA 92380	N	0.21 / 1,131.22	4	82
			***Global ID*	*Status*	*Status Date:*** T0606500088 | COMPLETED - CASE CLOSED | 1996-07-25 00:00:00		
18	HHSS	ROMOLAND MARKET	27856 HIGHWAY 74 ROMOLAND CA 92380	N	0.21 / 1,131.22	4	85
18	UST SWEEPS	ROMOLAND MARKET #231	27856 HIGHWAY 74 ROMOLAND CA	N	0.21 / 1,131.22	4	85
			***C C*	*Status:*** A33-000-31976 | ACTIVE ***Tank ID:*** 000003, 000001, 000002			
19	DELISTED HAZ	Amerimax Building Products Inc	28291 E HWY 74 ROMOLAND CA 92585	ENE	0.28 / 1,500.11	14	86
20	DELISTED HAZ	North County Sand & Gravel	26227 SHERMAN RD ROMOLAND CA 92585	W	0.32 / 1,711.60	-9	86
21	LOP RIVERSIDE	Chaney's Automotive	27411 Ethanac Rd Romoland CA	WNW	0.34 / 1,801.73	-9	86
			***Site ID*	*Status Desc:*** 93620 | CLOSED/ACTION COMPLETED			
21	LUST	CHANEY'S AUTOMOTIVE	27411 ETHANAC ROAD ROMOLAND CA 92580	WNW	0.34 / 1,801.73	-9	86
			***Global ID*	*Status*	*Status Date:*** T0606500332 | COMPLETED - CASE CLOSED | 2000-09-29 00:00:00		
22	LOP RIVERSIDE	Cal Trans	27644 Hwy 74 Romoland CA	NNW	0.40 / 2,118.46	0	89
			***Site ID*	*Status Desc:*** 89341 | CLOSED/ACTION COMPLETED			
23	MINE	ROMALAND	SUN CITY CA 92585	NW	0.60 / 3,180.87	-10	90
24	SCH	PROPOSED ELEMENTARY SCHOOL NO. 15	ROUSE ROAD/SHERMAN ROAD MENIFEE CA 92585	S	0.84 / 4,446.89	29	90
			***Estor/EPA ID*	*Cleanup Status:*** 60001068 | NO ACTION REQUIRED AS OF 5/11/2009			
24	ENVIROSTOR	PROPOSED ELEMENTARY SCHOOL NO. 15	ROUSE ROAD/SHERMAN ROAD MENIFEE CA 92585	S	0.84 / 4,446.89	29	91
			***Estor/EPA ID*	*Cleanup Status:*** 60001068 | NO ACTION REQUIRED AS OF 5/11/2009			

Executive Summary: Summary by Data Source

Standard

Federal

RCRA TSD - RCRA non-CORRACTS TSD Facilities

A search of the RCRA TSD database, dated Apr 11, 2022 has found that there are 1 RCRA TSD site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
DATATRONICS INC	28151 HWY 74 ROMOLAND CA 92585-0000 ***EPA Handler ID**: CAD009532979*	ENE	0.20 / 1,036.08	16

RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Apr 11, 2022 has found that there are 1 RCRA LQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
INLAND EMPIRE ENERGY CENTER LLC	26226 ANTELOPE ROAD MENIFEE CA 92585-0000 ***EPA Handler ID**: CAR000216952*	E	0.20 / 1,049.99	17

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Apr 11, 2022 has found that there are 1 RCRA SQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CALMAT CO ROMOLAND	28023 ETHANAC SUN CITY CA 92585 ***EPA Handler ID**: CAR000012500*	NE	0.06 / 329.95	9

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Apr 11, 2022 has found that there are 9 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SAHARA SCAFFOLD INC	26245 ANTELOPE RD ROMOLAND CA 92585 ***EPA Handler ID**: CAL000432400*	NE	0.00 / 0.00	1
AMERICAN CONTRACTING, INC	26245 ANTELOPE RD SUN CITY CA 92585 ***EPA Handler ID**: CAL000356518*	NE	0.00 / 0.00	1

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HOLLIDAY ROCK	26100 ANTELOPE RD. MENIFEE CA 92585 ***EPA Handler ID**: CAC003108460*	NE	0.03 / 173.71	7
CITY OF MENIFEE	ETHANAC RD ANTELOPE MENIFEE CA 92586 ***EPA Handler ID**: CAC003101032*	NE	0.06 / 329.95	9
ROMOLAND PUMP PLANT	27990 ETHANAC RD ROMOLAND CA 92585-9769 ***EPA Handler ID**: CAL000325512*	NE	0.06 / 334.19	10
MENIFEE COLLISION CENTER	27793 JACKSON AVE ROMOLAND CA 92585-9208 ***EPA Handler ID**: CAL000310748*	NNW	0.18 / 950.16	15
INLAND EMPIRE ENERGY CENTER	26226 ANTELOPE RD MENIFEE CA 92585 ***EPA Handler ID**: CAP000220002*	E	0.20 / 1,049.99	17
CALPINE NOVA POWER, LLC	26226 ANTELOPE RD MENIFEE CA 92585 ***EPA Handler ID**: CAC003147272*	E	0.20 / 1,049.99	17

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
AES CORP DBA AES CONSTRUCTI0N SERVICES	27955 MCLAUGHLIN AVE SUN CITY CA 92585 ***EPA Handler ID**: CAL000378765*	S	0.12 / 659.74	13

State

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Jan 6, 2022 has found that there are 2 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HIGH SCHOOL NO. 3	BRIGGS ROAD/PINACATE ROAD ROMOLAND CA 92585 ***Estor/EPA ID	Cleanup Status**: 33010072	NO FURTHER ACTION AS OF 3/19/2003*	NNE	0.17 / 904.93	14
PROPOSED ELEMENTARY SCHOOL NO. 15	ROUSE ROAD/SHERMAN ROAD MENIFEE CA 92585 ***Estor/EPA ID	Cleanup Status**: 60001068	NO ACTION REQUIRED AS OF 5/11/2009*	S	0.84 / 4,446.89	24

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Feb 15, 2022 has found that there are 2 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ROMOLAND MARKET	27856 HIGHWAY 74 ROMOLAND CA 92380	N	0.21 / 1,131.22	18
	Global ID* | *Status* | *Status Date: *T0606500088* | *COMPLETED - CASE CLOSED* | *1996-07-25 00:00:00*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHANEY'S AUTOMOTIVE	27411 ETHANAC ROAD ROMOLAND CA 92580	WNW	0.34 / 1,801.73	21
	Global ID* | *Status* | *Status Date: *T0606500332* | *COMPLETED - CASE CLOSED* | *2000-09-29 00:00:00*			

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 2 HHSS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ROMOLAND PUMPING PLANT	27990 ETHANAC ROMOLAND CA 92343	NE	0.06 / 334.19	10
ROMOLAND MARKET	27856 HIGHWAY 74 ROMOLAND CA 92380	N	0.21 / 1,131.22	18

UST SWEEPS - Statewide Environmental Evaluation and Planning System

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 2 UST SWEEPS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
EMWD ROMOLAND PUMPING PLANT	27990 ETHANAC ROMOLAND CA	NE	0.06 / 334.19	10
	C C* | *Status: *A33-000-30880* | *ACTIVE* ***Tank ID***: *000001*			
ROMOLAND MARKET #231	27856 HIGHWAY 74 ROMOLAND CA	N	0.21 / 1,131.22	18
	C C* | *Status: *A33-000-31976* | *ACTIVE* ***Tank ID***: *000003, 000001, 000002*			

DELISTED CTNK - Delisted California Environmental Reporting System (CERS) Tanks

A search of the DELISTED CTNK database, dated Apr 5, 2022 has found that there are 2 DELISTED CTNK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Holliday Trucking - Romoland	26100 ANTELOPE RD #2 ROMOLAND CA 92585	NE	0.03 / 173.71	7
Inland Empire Energy Center, LLC	26226 ANTELOPE RD MENIFEE CA 92585	E	0.20 / 1,049.99	17

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 1 HIST TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ROMOLAND PUMPING PLANT	27990 ETHANAC ROMOLAND CA	NE	0.06 / 334.19	10

DELISTED COUNTY - Delisted County Records

A search of the DELISTED COUNTY database, dated May 19, 2022 has found that there are 1 DELISTED COUNTY site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Inland Empire Energy Center, LLC	26226 Antelope Rd Romoland CA 92585	E	0.20 / 1,049.99	17

County

LOP RIVERSIDE - Riverside County - Local Oversight Program List

A search of the LOP RIVERSIDE database, dated Jan 18, 2022 has found that there are 3 LOP RIVERSIDE site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Romoland Market	27856 Hwy 74 Romoland CA	N	0.21 / 1,131.22	18
	Site ID **|** ***Status Desc***: *92265* | *CLOSED/ACTION COMPLETED*			
Cal Trans	27644 Hwy 74 Romoland CA	NNW	0.40 / 2,118.46	22
	Site ID **|** ***Status Desc***: *89341* | *CLOSED/ACTION COMPLETED*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Chaney's Automotive	27411 Ethanac Rd Romoland CA	WNW	0.34 / 1,801.73	21
	Site ID **|** ***Status Desc***: *93620* | *CLOSED/ACTION COMPLETED*			

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 2, 2020 has found that there are 6 FINDS/FRS site(s) within approximately 0.02 miles

of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SAHARA SCAFFOLD INC	26245 ANTELOPE RD ROMOLAND CA 92585 ***Registry ID**: 110070428592*	NE	0.00 / 0.00	1
AMERICAN CONTRACTING, INC	26245 ANTELOPE RD SUN CITY CA 92585 ***Registry ID**: 110070476552*	NE	0.00 / 0.00	1
HOLLIDAY ROCK TEMECULA 10	26100 ANTELOPE RD SUN CITY CA 92585 ***Registry ID**: 110070089416*	ENE	0.01 / 44.31	5
ROMOLAND	26100 ANTELOPE ROAD SUN CITY CA 92585 ***Registry ID**: 110070089386*	ENE	0.01 / 44.31	5
NEW ERA METALSNA INC	27915 ETHANAC RD MENIFEE CA 92585 ***Registry ID**: 110065396351*	NNE	0.01 / 68.14	6
NEW ERA METALS INC	27915 ETHANAC RO SUN CITY CA 92585 ***Registry ID**: 110070085804*	NNE	0.01 / 68.14	6

State

SCH - School Property Evaluation Program Sites

A search of the SCH database, dated Jan 6, 2022 has found that there are 2 SCH site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HIGH SCHOOL NO. 3	BRIGGS ROAD/PINACATE ROAD ROMOLAND CA 92585 ***Estor/EPA ID | Cleanup Status**: 33010072 | NO FURTHER ACTION AS OF 3/19/2003*	NNE	0.17 / 904.93	14
PROPOSED ELEMENTARY SCHOOL NO. 15	ROUSE ROAD/SHERMAN ROAD MENIFEE CA 92585 ***Estor/EPA ID | Cleanup Status**: 60001068 | NO ACTION REQUIRED AS OF 5/11/2009*	S	0.84 / 4,446.89	24

HAZNET - Hazardous Waste Manifest Data

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 10 HAZNET site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AMERICAN CONTRACTING, INC	26245 ANTELOPE RD SUN CITY CA 92585	ESE	0.00 / 13.47	4

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
NEW ERA METALS INC	27915 ETHANAC RD ROMOLAND CA 92585	NNE	0.01 / 68.14	6

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SAN DIEGO EROSION CONTROL	26332 DAWSON RD ROMOLAND CA 925859795	WNW	0.00 / 6.78	2
MINE DEVELOPMENT & ENGINEERING CORP	26330 DAWSON RD PERRIS CA 92585	WNW	0.00 / 7.00	3
LH WOODS & SONS	26330 DAWSON RD ROMOLAND CA 92585	WNW	0.00 / 7.00	3
FOXFIRE CONSTRUCTORS	26330 DAWSON RD SUN CITY CA 92585	WNW	0.00 / 7.00	3
LH WOODS & SONS	26330 DAWSON RD MENIFEE CA 92585	WNW	0.00 / 7.00	3
LADD ASSOCIATES INC	26330 DAWSON RD ROMOLAND CA 925859795	WNW	0.00 / 7.00	3
FOXFIRE CONSTRUCTORS INC	26330 DAWSON RD MENIFEE CA 925859795	WNW	0.00 / 7.00	3
LADD & ASSOCIATES	26330 DAWSON RD SUN CITY CA 92585	WNW	0.00 / 7.00	3

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated Apr 5, 2022 has found that there are 2 CERS HAZ site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Holliday Trucking - Romoland	26100 ANTELOPE RD #2 ROMOLAND CA 92585	NE	0.03 / 173.71	7
EMWD Romoland Pumping Plant	27990 ETHANAC RD ROMOLAND CA 92585	NE	0.06 / 334.19	10

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key

DELISTED HAZ - Delisted Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the DELISTED HAZ database, dated Nov 29, 2018 has found that there are 3 DELISTED HAZ site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Amerimax Building Products Inc	28291 E HWY 74 ROMOLAND CA 92585	ENE	0.28 / 1,500.11	19

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Perris Yard	26245 DAWSON RD ROMOLAND CA 92585	NW	0.06 / 299.40	8
North County Sand & Gravel	26227 SHERMAN RD ROMOLAND CA 92585	W	0.32 / 1,711.60	20

MINE - Mines Listing

A search of the MINE database, dated Dec 17, 2021 has found that there are 1 MINE site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ROMALAND	SUN CITY CA 92585	NW	0.60 / 3,180.87	23

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2019 has found that there are 10 EMISSIONS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CAL MAT CO	26100 ANTELOPE RD SUN CITY CA 92585	ENE	0.01 / 44.31	5
EASTERN MUNICIPAL WATER DISTRICT	27990 ETHANAC ROMOLAND CA 92590	NE	0.06 / 334.19	10
EASTERN MUNICIPAL WATER DISTRI	27990 ETHANAC ROMOLAND CA 92590	NE	0.06 / 334.19	10

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
EASTERN MUNICIPAL WATER DISTRI	27990 ETHANAC ROMOLAND CA	NE	0.06 / 334.19	10
MENIFEE COLLISION CENTER	27793 JACKSON AVE MENIFEE CA 92585	NNW	0.18 / 950.16	15
DATATRONICS, ROMOLAND, INC.	28151 HIGHWAY 74 ROMOLAND CA 92380	ENE	0.20 / 1,036.08	16
DATATRONICS, ROMOLAND, INC.	28151 HWY 74 ROMOLAND CA 92585	ENE	0.20 / 1,036.08	16
BOURNS, MAGNETIC DIV	28151 HIGHWAY 74 ROMOLAND CA 92380	ENE	0.20 / 1,036.08	16
INLAND EMPIRE ENERGY CENTER, LLC	26226 ANTELOPE RD MENIFEE CA 92585	E	0.20 / 1,049.99	17
INLAND EMPIRE ENERGY CENTER, LLC	26226 ANTELOPE RD ROMOLAND CA 92585	E	0.20 / 1,049.99	17

CDL - Clandestine Drug Lab Sites

A search of the CDL database, dated Jan 19, 2021 has found that there are 3 CDL site(s) within approximately 0.12 miles of the project property.

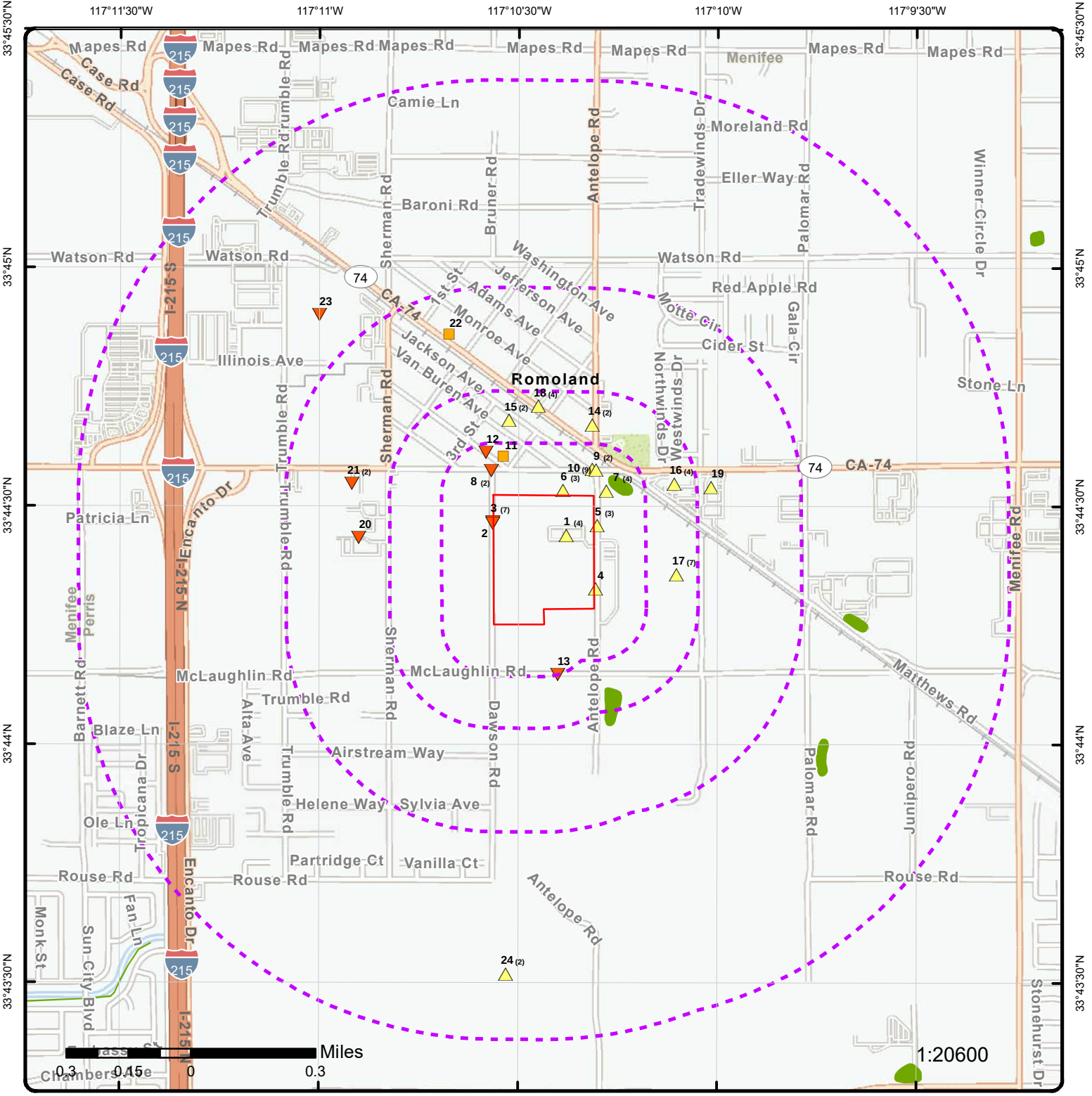
Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	25711 DAWSON RD SUN CITY CA 92586	NW	0.06 / 299.40	8
	27772 HARRISON ROMOLAND CA 92585	NNW	0.09 / 490.41	11
	27738 HARRISON AVE ROMOLAND CA 92380	NNW	0.10 / 545.41	12

County

HZH RIVERSIDE - Riverside County - Disclosure Facility List

A search of the HZH RIVERSIDE database, dated Jan 18, 2022 has found that there are 2 HZH RIVERSIDE site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Holliday Trucking - Romoland	26100 Antelope Rd #2 Romoland CA 92585	NE	0.03 / 173.71	7
EMWD Romoland Pumping Plant	27990 Ethanac Rd Romoland CA 92585	NE	0.06 / 334.19	10



Map: 1.0 Mile Radius

Order Number: 22052300713

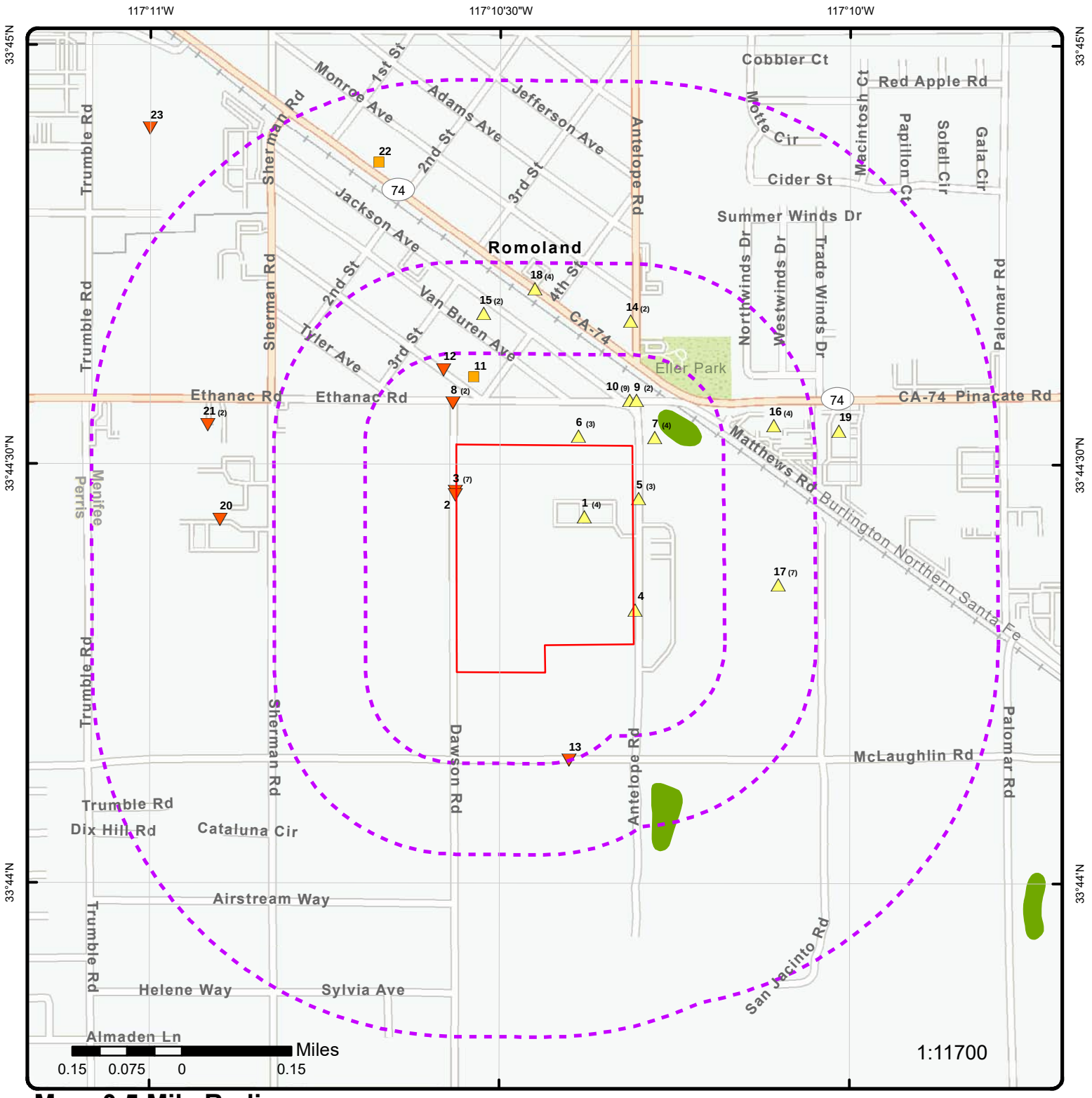
Address: n/a, MENIFEE, CA

ERIS

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas

Source: © 2021 ESRI StreetMap Premium

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Map: 0.5 Mile Radius

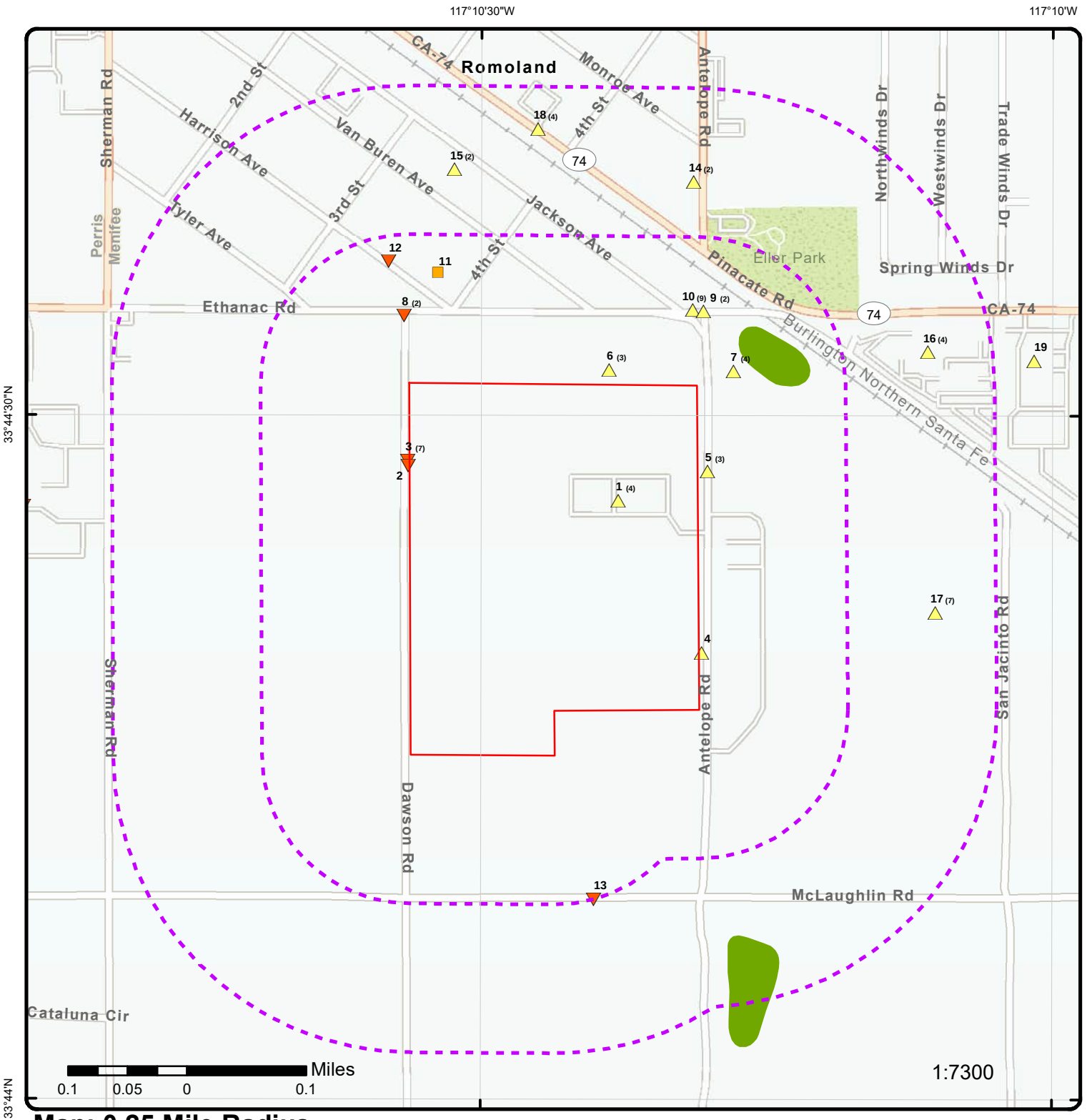
Order Number: 22052300713
Address: n/a, MENIFEE, CA

ERIS

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.25 Mile Radius

Order Number: 22052300713
Address: n/a, MENIFEE, CA

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas

Source: © 2021 ESRI StreetMap Premium

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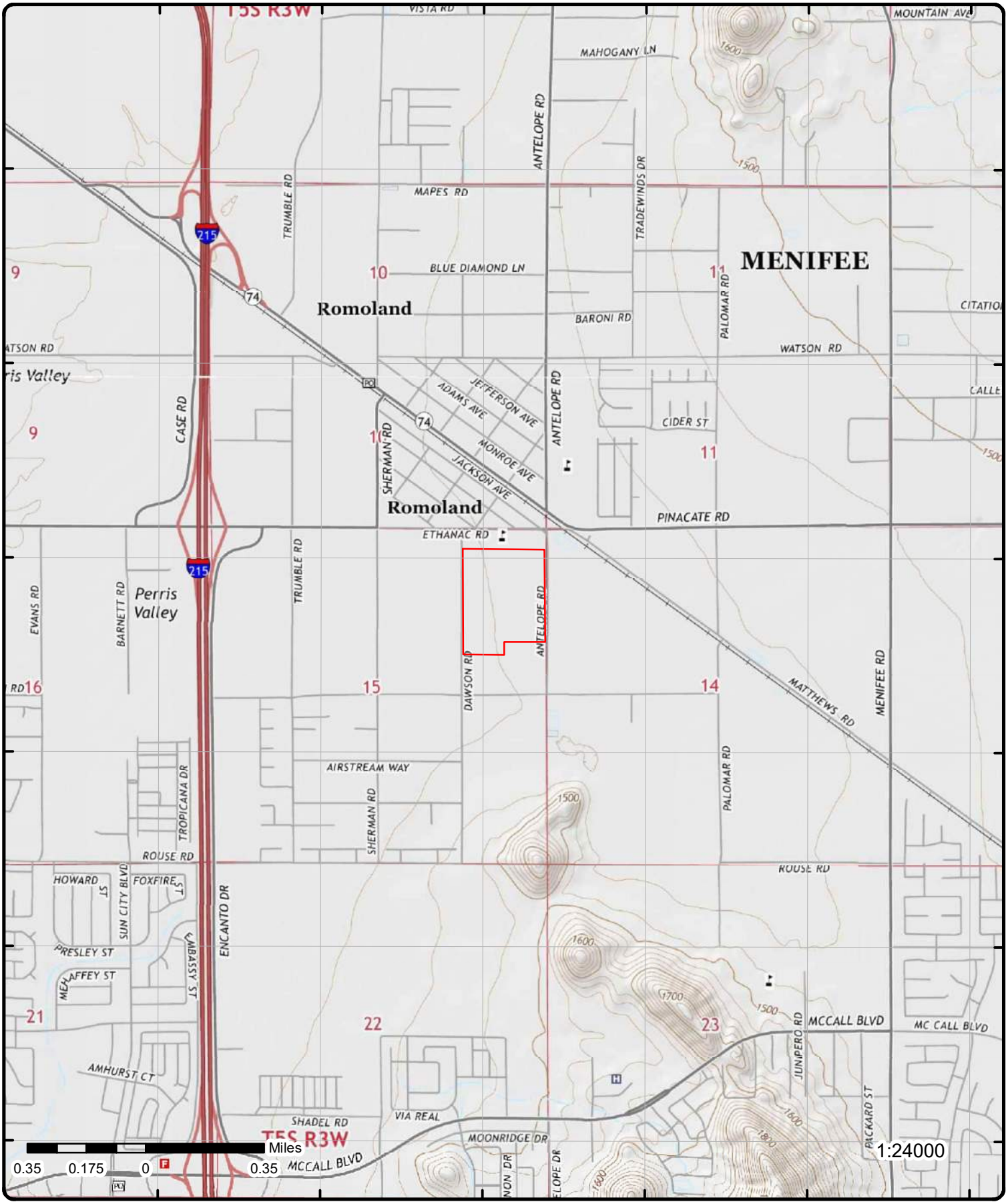
Aerial **Year: 2021**

Order Number: 22052300713

Address: n/a, MENIFEE, CA

Source: ESRI World Imagery

© ERIS Information Inc.



Topographic Map

Year: 2015

Order Number: 22052300713

Address: n/a, CA

Quadrangle(s): Romoland, CA; Perris, CA

Source: USGS Topographic Map

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Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 4	NE	0.00 / 0.00	1,441.48 / 1	AMERICAN CONTRACTING, INC 26245 ANTELOPE RD SUN CITY CA 92585	RCRA NON GEN

EPA Handler ID: CAL000356518
Gen Status Universe: No Report
Contact Name: KEITH H. CANDEE PRESIDENT
Contact Address: PO BOX 890700 , , TEMECULA , CA, 92589 ,
Contact Phone No and Ext: 951-830-2650
Contact Email: HEARTRIVERRANCH@GMAIL.COM
Contact Country:
County Name: RIVERSIDE
EPA Region: 09
Land Type:
Receive Date: 20100907
Location Latitude: 33.739868
Location Longitude: -117.171746

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20100907
Handler Name: AMERICAN CONTRACTING, INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Street No:
Street 1: PO BOX 890700

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Name:	KEITH H. CANDEE PRESIDENT	**Street 2:**	
Date Became Current:		**City:**	TEMECULA
Date Ended Current:		**State:**	CA
Phone:	951-830-2650	**Country:**	
Source Type:	Implementer	**Zip Code:**	92589
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	PO BOX 890700
Name:	AMERICAN CONTRACTING INC	**Street 2:**	
Date Became Current:		**City:**	TEMECULA
Date Ended Current:		**State:**	CA
Phone:	951-830-2650	**Country:**	
Source Type:	Implementer	**Zip Code:**	92589

1	2 of 4	NE	0.00 / 0.00	1,441.48 / 1	SAHARA SCAFFOLD INC 26245 ANTELOPE RD ROMOLAND CA 92585	RCRA NON GEN

EPA Handler ID:	CAL000432400
Gen Status Universe:	No Report
Contact Name:	JEFF SMICA
Contact Address:	24885 WHITEWOOD RD #106 , , MURRIETA , CA, 92563 ,
Contact Phone No and Ext:	909-376-1906
Contact Email:	KRIS@SAHARASCAFFOLD.COM
Contact Country:	
County Name:	RIVERSIDE
EPA Region:	09
Land Type:	
Receive Date:	20171204
Location Latitude:	33.739868
Location Longitude:	-117.171746

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20171204
Handler Name:	SAHARA SCAFFOLD INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	24885 WHITEWOOD RD #106
Name:	JEFF SMICA	***Street 2:***	
Date Became Current:		***City:***	MURRIETA
Date Ended Current:		***State:***	CA
Phone:	909-376-1906	***Country:***	
Source Type:	Implementer	***Zip Code:***	92563
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	24885 WHITEWOOD RD #106
Name:	JEFF SMITH	***Street 2:***	
Date Became Current:		***City:***	MURRIETA
Date Ended Current:		***State:***	CA
Phone:	909-376-1906	***Country:***	
Source Type:	Implementer	***Zip Code:***	92563

1	***3 of 4***	***NE***	***0.00 / 0.00***	***1,441.48 / 1***	***SAHARA SCAFFOLD INC 26245 ANTELOPE RD ROMOLAND CA 92585***	***FINDS/FRS***

Registry ID:	110070428592
FIPS Code:	06065
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	31-DEC-18
Update Date:	
Interest Types:	OTHER HAZARDOUS WASTE ACTIVITIES
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	
Census Block Code:	
EPA Region Code:	09
County Name:	RIVERSIDE
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	
Coord Collection Method:	
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070428592
Program Acronyms:	

RCRAINFO:CAL000432400

1	***4 of 4***	***NE***	***0.00 / 0.00***	***1,441.48 / 1***	***AMERICAN CONTRACTING, INC 26245 ANTELOPE RD SUN CITY CA 92585***	***FINDS/FRS***

Registry ID:	110070476552
FIPS Code:	06065
HUC Code:	
Site Type Name:	STATIONARY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Location Description:
Supplemental Location:
Create Date: 02-JAN-19
Update Date:
Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: RIVERSIDE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070476552
Program Acronyms:

RCRAINFO:CAL000356518

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	WNW	0.00 / 6.78	1,438.48 / -2	SAN DIEGO EROSION CONTROL 26332 DAWSON RD ROMOLAND CA 925859795	HAZNET

SIC Code: 8748
NAICS Code: 54133
EPA ID: CAL000304921
Create Date: 3/29/2006 10:38:16 AM
Fac Act Ind: No
Inact Date: 6/30/2010
County Code: 33
County Name: Riverside
Mail Name:
Mailing Addr 1: 455 N TWIN OAKS VALLEY RD
Mailing Addr 2:
Owner Fax: 7605101194

Mailing City: SAN MARCOS
Mailing State: CA
Mailing Zip: 920691708
Region Code: 4
Owner Name: SWANILLON INC
Owner Addr 1: 455 N TWIN OAKS VALLEY RD
Owner Addr 2:
Owner City: SAN MARCOS
Owner State: CA
Owner Zip: 920691708
Owner Phone: 7607592366

Contact Information
-- --
Contact Name: DREW BITTLE, AREA MANAGER
Street Address 1: 26332 DAWSON RD
Street Address 2:
City: ROMOLAND
State: CA
Zip: 925859795
Phone: 9519285477
-- --
-- --
Tanner Information
-- --
Generator EPA ID: CAL000304921
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: NVT330010000
TSD County Code: 99

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TSD County:	Unknown
State Waste Code:	291
State Waste Code Desc.:	Latex waste
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	0.8
Year:	2008
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 7	WNW	0.00 / 7.00	1,438.48 / -2	LADD ASSOCIATES INC 26330 DAWSON RD ROMOLAND CA 925859795	HAZNET

SIC Code:	7331	**Mailing City:**	REDDING
NAICS Code:	54186	**Mailing State:**	CA
EPA ID:	CAL000325663	**Mailing Zip:**	960992750
Create Date:	10/12/2007 11:27:06 AM	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	LADD ASSOCIATES INC
Inact Date:	6/30/2010	**Owner Addr 1:**	1304 EAST ST
County Code:	33	**Owner Addr 2:**	
County Name:	Riverside	**Owner City:**	REDDING
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	PO BOX 992750	**Owner Zip:**	960010855
Mailing Addr 2:		**Owner Phone:**	5302416102
Owner Fax:	5302419314		

Contact Information

--	--
Contact Name:	MITCH LIPSKY
Street Address 1:	PO BOX 992750
Street Address 2:	
City:	REDDING
State:	CA
Zip:	960992750
Phone:	7076011471
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAL000325663
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	135
State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.63
Year:	2007
--	--
Generator EPA ID:	CAL000325663
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.108
Year:	2007
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Generator EPA ID:	CAL000325663
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	3.4
Year:	2007
--	--

3	2 of 7	WNW	0.00 / 7.00	1,438.48 / -2	**LH WOODS & SONS** **26330 DAWSON RD** **MENIFEE CA 92585**	HAZNET

SIC Code:	2992	**Mailing City:**	VISTA
NAICS Code:	324191	**Mailing State:**	CA
EPA ID:	CAC002769109	**Mailing Zip:**	92081
Create Date:	4/28/2014	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	LH WOODS & SONS, INC.
Inact Date:	7/28/2014	**Owner Addr 1:**	2115 LA MIRADA DR
County Code:	33	**Owner Addr 2:**	
County Name:	Riverside	**Owner City:**	VISTA
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	2115 LA MIRADA DR	**Owner Zip:**	92081
Mailing Addr 2:		**Owner Phone:**	7605995500
Owner Fax:			

Contact Information

--	--
Contact Name:	JOSE .
Street Address 1:	2115 LA MIRADA DR
Street Address 2:	
City:	VISTA
State:	CA
Zip:	92081
Phone:	7605007936
--	--
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Tanner Information

--	--
Generator EPA ID:	CAC002769109
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	0.834
Year:	2014
--	--
Generator EPA ID:	CAC002769109
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD097030993
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.05
Year:	2014
--	--
Generator EPA ID:	CAC002769109
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD097030993
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	491
State Waste Code Desc.:	Unspecified sludge waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.3
Year:	2014
--	--

3	3 of 7	WNW	0.00 / 7.00	1,438.48 / -2	**FOXFIRE CONSTRUCTORS INC** **26330 DAWSON RD** **MENIFEE CA 925859795**	HAZNET

SIC Code:	7699	**Mailing City:**	SAN CLEMENTE
NAICS Code:	81149	**Mailing State:**	CA
EPA ID:	CAL000356949	**Mailing Zip:**	926730141
Create Date:	9/15/2010 4:20:53 PM	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	FOXFIRE CONSTRUCTORS INC
Inact Date:	6/30/2014	**Owner Addr 1:**	PO BOX 74206
County Code:	33	**Owner Addr 2:**	
County Name:	Riverside	**Owner City:**	SAN CLEMENTE
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	PO BOX 74206	**Owner Zip:**	926730141
Mailing Addr 2:		**Owner Phone:**	9492408786
Owner Fax:	9494439031		

Contact Information

--	--
Contact Name:	RUBY MARTIN
Street Address 1:	PO BOX 74206
Street Address 2:	
City:	SAN CLEMENTE
State:	CA
Zip:	926730141
Phone:	9492408786
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAL000356949
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD981696420
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.68805
Year:	2010
--	--
Generator EPA ID:	CAL000356949
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD981696420

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.2
Year:	2010
--	--
Generator EPA ID:	CAL000356949
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD097030993
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.15
Year:	2011
--	--
Generator EPA ID:	CAL000356949
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD981696420
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.3
Year:	2011
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	4 of 7	WNW	0.00 / 7.00	1,438.48 / -2	FOXFIRE CONSTRUCTORS 26330 DAWSON RD SUN CITY CA 92585	HAZNET

SIC Code:		**Mailing City:**	SAN CLEMENTE
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAC002647203	**Mailing Zip:**	92673
Create Date:	10/8/2009	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	FOXCFIRE CONSTRUCTORS
Inact Date:	4/7/2010	**Owner Addr 1:**	1040 CALLE CORDILLERA
County Code:	33	**Owner Addr 2:**	
County Name:	Riverside	**Owner City:**	SAN CLEMENTE
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	1040 CALLE CORDILLERA	**Owner Zip:**	92673
Mailing Addr 2:		**Owner Phone:**	9492127412
Owner Fax:			

Contact Information

--	--
Contact Name:	DEREK PAULSON
Street Address 1:	1040 CALLE CORDILLERA
Street Address 2:	
City:	SAN CLEMENTE
State:	CA
Zip:	92673
Phone:	9492127412
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	5 of 7	WNW	0.00 / 7.00	1,438.48 / -2	MINE DEVELOPMENT & ENGINEERING CORP 26330 DAWSON RD PERRIS CA 92585	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC002634420
Create Date: 9/5/2008
Fac Act Ind: No
Inact Date: 3/5/2009
County Code: 33
County Name: Riverside
Mail Name:
Mailing Addr 1: PO BOX 74235
Mailing Addr 2:
Owner Fax:

Mailing City: SAN CLEMENTE
Mailing State: CA
Mailing Zip: 926730142
Region Code: 4
Owner Name: MINE DEVELOPMENT & ENGINEERING CORP
Owner Addr 1: PO BOX 74235
Owner Addr 2:
Owner City: SAN CLEMENTE
Owner State: CA
Owner Zip: 926730142
Owner Phone: 9494439032

Contact Information
-- --
Contact Name: RUBY MARTIN
Street Address 1: PO BOX 74235
Street Address 2:
City: SAN CLEMENTE
State: CA
Zip: 926730142
Phone: 9494439032
-- --

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	6 of 7	WNW	0.00 / 7.00	1,438.48 / -2	LH WOODS & SONS 26330 DAWSON RD ROMOLAND CA 92585	HAZNET

SIC Code: 8741
NAICS Code: 23491
EPA ID: CAC002769008
Create Date: 4/25/2014
Fac Act Ind: No
Inact Date: 7/25/2014
County Code: 33
County Name: Riverside
Mail Name:
Mailing Addr 1: 2115 LA MIRADA DR
Mailing Addr 2:
Owner Fax:

Mailing City: VISTA
Mailing State: CA
Mailing Zip: 92081
Region Code: 4
Owner Name: JIM WOODS JR
Owner Addr 1: 2115 LA MIRADA DR
Owner Addr 2:
Owner City: VISTA
Owner State: CA
Owner Zip: 92081
Owner Phone: 7605995500

Contact Information
-- --
Contact Name: JOSE ROLON
Street Address 1: 26330 DAWSON RD
Street Address 2:
City: ROMOLAND
State: CA
Zip: 92585
Phone: 7605007936
-- --

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	7 of 7	WNW	0.00 / 7.00	1,438.48 / -2	LADD & ASSOCIATES 26330 DAWSON RD SUN CITY CA 92585	HAZNET

SIC Code: 8741
NAICS Code: 23332
EPA ID: CAL000254040
Create Date: 6/18/2002 11:14:09 AM
Fac Act Ind: No

Mailing City: SUN CITY
Mailing State: CA
Mailing Zip: 92586
Region Code: 4
Owner Name: ROY E LADD INC & LADD ASSOCIATES

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Inact Date:	6/30/2003	**Owner Addr 1:**	26812 CHERRY HILLS BLVD #219
County Code:	33	**Owner Addr 2:**	
County Name:	Riverside	**Owner City:**	SUN CITY
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	26812 CHERRY HILLS BLVD #219	**Owner Zip:**	92586
Mailing Addr 2:		**Owner Phone:**	9099280367
Owner Fax:			

Contact Information

--	--
Contact Name:	ANNA ANDERSON
Street Address 1:	26812 CHERRY HILLS BLVD #219
Street Address 2:	
City:	SUN CITY
State:	CA
Zip:	92586
Phone:	9099280367
--	--

4	1 of 1	ESE	0.00 / 13.47	1,443.48 / 3	**AMERICAN CONTRACTING, INC** **26245 ANTELOPE RD** **SUN CITY CA 92585**	HAZNET

SIC Code:	1794	**Mailing City:**	TEMECULA
NAICS Code:	23593	**Mailing State:**	CA
EPA ID:	CAL000356518	**Mailing Zip:**	925890700
Create Date:	9/7/2010	**Region Code:**	4
Fac Act Ind:	Yes	**Owner Name:**	AMERICAN CONTRACTING INC
Inact Date:		**Owner Addr 1:**	PO BOX 890700
County Code:	33	**Owner Addr 2:**	
County Name:	Riverside	**Owner City:**	TEMECULA
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	32206 CORTE CERRO C/O PO BOX 890700	**Owner Zip:**	92589
Mailing Addr 2:		**Owner Phone:**	9518302650
Owner Fax:	9513084563		

Contact Information

--	--
Contact Name:	KEITH H. CANDEE PRESIDENT
Street Address 1:	PO BOX 890700
Street Address 2:	
City:	TEMECULA
State:	CA
Zip:	92589
Phone:	9518302650
--	--

5	1 of 3	ENE	0.01 / 44.31	1,444.48 / 4	**CAL MAT CO** **26100 ANTELOPE RD** **SUN CITY CA 92585**	EMISSIONS

2006 Criteria Data

Facility ID:	128319	**CERR Code:**	
Facility SIC Code:	2951	**TOGT:**	1.27080346393659901885398172887286299696
CO:	33	**ROGT:**	.939
Air Basin:	SC	**COT:**	1.205
District:	SC	**NOXT:**	2.48
COID:	RIV	**SOXT:**	.021
DISN:	SOUTH COAST AQMD	**PMT:**	2.031
CHAPIS:		**PM10T:**	1.399917

2006 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: 128319
Facility SIC Code: 2951
CO: 33
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2007 Criteria Data

Facility ID: 128319
Facility SIC Code: 2951
CO: 33
Air Basin: SC
District: SC
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 1.27080346393659901885398172887286299696
ROGT: .939
COT: 1.205
NOXT: 2.48
SOXT: .021
PMT: 2.031
PM10T: 1.399917

2007 Toxic Data

Facility ID: 128319
Facility SIC Code: 2951
CO: 33
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

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5 | **2 of 3** | **ENE** | **0.01 / 44.31** | **1,444.48 / 4** | **ROMOLAND**
26100 ANTELOPE ROAD
SUN CITY CA 92585 | **FINDS/FRS**

Registry ID: 110070089386
FIPS Code:
HUC Code: 18070202
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 07-AUG-17
Update Date:
Interest Types: ICIS-NPDES NON-MAJOR, STORM WATER INDUSTRIAL
SIC Codes: 2951
SIC Code Descriptions: ASPHALT PAVING MIXTURES AND BLOCKS
NAICS Codes:
NAICS Code Descriptions:
Conveyor: ICIS
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 49
Census Block Code: 060650427281007
EPA Region Code: 09
County Name:
US/Mexico Border Ind:
Latitude: 33.74291
Longitude: -117.17178
Reference Point:
Coord Collection Method:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070089386
Program Acronyms:

NPDES:CAZ210814

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5 | ***3 of 3*** | ***ENE*** | ***0.01 / 44.31*** | ***1,444.48 / 4*** | ***HOLLIDAY ROCK TEMECULA 10 26100 ANTELOPE RD SUN CITY CA 92585*** | ***FINDS/FRS***

Registry ID: 110070089416
FIPS Code: 06065
HUC Code: 18070202
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 07-AUG-17
Update Date: 31-MAY-18
Interest Types: ICIS-NPDES NON-MAJOR, STATE MASTER, STORM WATER INDUSTRIAL
SIC Codes: 3273
SIC Code Descriptions: READY-MIXED CONCRETE
NAICS Codes:
NAICS Code Descriptions:
Conveyor: CALEPA
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 49
Census Block Code: 060650427281006
EPA Region Code: 09
County Name: RIVERSIDE
US/Mexico Border Ind:
Latitude: 33.742495
Longitude: -117.171668
Reference Point:
Coord Collection Method: GDT-ADDRESS MATCHING (GEOCODING)
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070089416
Program Acronyms:

CA-CERS:10325176, CA-ENVIROVIEW:122937, NPDES:CAZ210958

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6 | ***1 of 3*** | ***NNE*** | ***0.01 / 68.14*** | ***1,443.07 / 3*** | ***NEW ERA METALS INC 27915 ETHANAC RD ROMOLAND CA 92585*** | ***HAZNET***

SIC Code: 5093
NAICS Code: 42193
EPA ID: CAL000372910
Create Date: 3/21/2012
Fac Act Ind: No
Inact Date: 6/30/2015
County Code: 33
County Name: Riverside
Mail Name:
Mailing Addr 1: 27915 ETHANAC RD
Mailing Addr 2:
Owner Fax: 9519280095

Mailing City: ROMOLAND
Mailing State: CA
Mailing Zip: 925850000
Region Code: 4
Owner Name: NEW ERA METALS INC
Owner Addr 1: 27915 ETHANAC RD
Owner Addr 2:
Owner City: ROMOLAND
Owner State: CA
Owner Zip: 925850000
Owner Phone: 9515059010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Contact Information

--	--
Contact Name:	JUAN VELASQUEZ
Street Address 1:	27915 ETHANAC RD
Street Address 2:	
City:	ROMOLAND
State:	CA
Zip:	92585
Phone:	9515059010
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	2 of 3	NNE	0.01 / 68.14	1,443.07 / 3	NEW ERA METALSNA INC 27915 ETHANAC RD MENIFEE CA 92585	FINDS/FRS

Registry ID:	110065396351
FIPS Code:	
HUC Code:	18070202
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	13-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	49
Census Block Code:	060650427281007
EPA Region Code:	09
County Name:	RIVERSIDE
US/Mexico Border Ind:	
Latitude:	33.74242
Longitude:	-117.17312
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065396351
Program Acronyms:	

CA-ENVIROVIEW:51605

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	3 of 3	NNE	0.01 / 68.14	1,443.07 / 3	NEW ERA METALS INC 27915 ETHANAC RO SUN CITY CA 92585	FINDS/FRS

Registry ID:	110070085804
FIPS Code:	06065
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	07-AUG-17
Update Date:	
Interest Types:	ICIS-NPDES UNPERMITTED
SIC Codes:	
SIC Code Descriptions:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: RIVERSIDE COUNTY
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070085804
Program Acronyms:

NPDES:CAW432315

7	1 of 4	NE	0.03 / 173.71	1,446.34 / 6	Holliday Trucking - Romoland 26100 Antelope Rd #2 Romoland CA 92585	HZH RIVERSIDE

7	2 of 4	NE	0.03 / 173.71	1,446.34 / 6	Holliday Trucking - Romoland 26100 ANTELOPE RD #2 ROMOLAND CA 92585	DELISTED CTNK

Site ID: 122937
County:
Tank Type:
Original Source: CTNK
Record Date: 09-FEB-2021
Latitude: 33.742495
Longitude: -117.171668

7	3 of 4	NE	0.03 / 173.71	1,446.34 / 6	HOLLIDAY ROCK 26100 ANTELOPE RD. MENIFEE CA 92585	RCRA NON GEN

EPA Handler ID: CAC003108460
Gen Status Universe: No Report
Contact Name: GEORGE SMITH
Contact Address: 1401 N. BENSON AVE , , UPLAND , CA, 91786 ,
Contact Phone No and Ext: 909-652-9899
Contact Email: GSMITH@HOLLIDAYROCK.COM
Contact Country:
County Name: RIVERSIDE
EPA Region: 09
Land Type:
Receive Date: 20210304
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20210304
Handler Name:	HOLLIDAY ROCK
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	26100 ANTELOPE RD.
Name:	JOHN HOLLIDAY	***Street 2:***	
Date Became Current:		***City:***	MENIFEE
Date Ended Current:		***State:***	CA
Phone:	909-982-1553	***Country:***	
Source Type:	Implementer	***Zip Code:***	92585
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1401 N. BENSON AVE
Name:	GEORGE SMITH	***Street 2:***	
Date Became Current:		***City:***	UPLAND
Date Ended Current:		***State:***	CA
Phone:	909-652-9899	***Country:***	
Source Type:	Implementer	***Zip Code:***	91786

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	4 of 4	NE	0.03 / 173.71	1,446.34 / 6	***Holliday Trucking - Romoland*** ***26100 ANTELOPE RD #2*** ***ROMOLAND CA 92585***	***CERS HAZ***

Site ID:	122937
Latitude:	33.742495
Longitude:	-117.171668
County:	

Regulated Programs

EI ID:	10325176	***EI Description:***	Chemical Storage Facilities

Evaluations

Eval Date:	05/22/2015

Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 05/22/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 02/25/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 02/25/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Facility is a cement plant that is currently non-operational ("moth-balled"). All production activities have been moved to the Perris location. The onsite diesel tank is empty, locked, and labeled as closed. There are tanks of products used in the cement making process still onsite in a containment area, but each tank contains only a small amount of material. The facility's office has been removed, and the controls for the equipment used to make cement are no longer present. The facility has no current plans to refill the tanks, since the site cannot be operated due to the equipment having been removed. The site will remain under permit for Disclosure until the tanks have been emptied and removed. NOTE: Because the site is non-operational and there are no employees, many items on this report are listed as "N/A." Item #7 - Update the chemical inventory to demonstrate the removal of the diesel tank.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Identification Signer
Entity Name: George Smith
Entity Title: Environmental Coordinator
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Property Owner
Entity Name: Holliday Rock Co., Inc.
Entity Title:
Address: 1401 N. Benson Ave
City: Upland
State: CA
Country: United States
Zip Code: 91786
Phone: (909) 982-1553

Affil Type Desc:	Parent Corporation
Entity Name:	Holliday Rock Co., Inc.
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Environmental Contact
Entity Name:	George Smith
Entity Title:	
Address:	1401 N. Benson Ave
City:	Upland
State:	CA
Country:	
Zip Code:	91786
Phone:	

Affil Type Desc:	CUPA District
Entity Name:	Riverside Cnty Env Health
Entity Title:	
Address:	4065 County Circle Drive, Room 104
City:	Riverside
State:	CA
Country:	
Zip Code:	92503
Phone:	(951) 358-5055

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	1401 N Benson Ave
City:	Upland
State:	CA
Country:	
Zip Code:	91786
Phone:	

Affil Type Desc:	Document Preparer
Entity Name:	George Smith
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Legal Owner
Entity Name:	Holliday Rock Co., Inc.
Entity Title:	
Address:	1401 N. Benson Ave.
City:	Upland
State:	CA
Country:	United States
Zip Code:	91786
Phone:	(909) 982-1553

Affil Type Desc:	Operator
Entity Name:	Holliday Rock Co., Inc.
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(909) 982-1553

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of 2	NW	0.06 / 299.40	1,439.48 / -1	25711 DAWSON RD SUN CITY CA 92586	CDL

Clue: 2000-11-092
Date: 11/16/2000
County: RIVERSIDE
Lab Type: L
Lab Type Description: Illegal Drug Lab - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	2 of 2	NW	0.06 / 299.40	1,439.48 / -1	Perris Yard 26245 DAWSON RD ROMOLAND CA 92585	DELISTED HAZ

Siteid: 56340
Latitude: 33.740100
Longitude: -117.174900
Original Source: CHAZ
Record Date: 20-OCT-2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of 2	NE	0.06 / 329.95	1,446.48 / 6	CALMAT CO ROMOLAND 28023 ETHANAC SUN CITY CA 92585	RCRA SQG

EPA Handler ID: CAR000012500
Gen Status Universe: Small Quantity Generator
Contact Name: THOMAS LOWRY
Contact Address: P O BOX 2950 , TERMINAL ANNEX , LOS ANGELES , CA, 90051-2950 , US
Contact Phone No and Ext: 213-258-2777
Contact Email:
Contact Country: US
County Name: RIVERSIDE
EPA Region: 09
Land Type: Private
Receive Date: 19960521
Location Latitude: 33.742978
Location Longitude: -117.187771

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960521
Handler Name:	CALMAT CO ROMOLAND
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	P O BOX 2950 TERMINAL ANNEX
Name:	CALMAT CO	***Street 2:***	
Date Became Current:		***City:***	LOS ANGELES
Date Ended Current:		***State:***	CA
Phone:	213-258-2777	***Country:***	
Source Type:	Notification	***Zip Code:***	90051

9	*2 of 2*	*NE*	*0.06 / 329.95*	*1,446.48 / 6*	***CITY OF MENIFEE ETHANAC RD ANTELOPE MENIFEE CA 92586***	***RCRA NON GEN***

EPA Handler ID:	CAC003101032
Gen Status Universe:	No Report
Contact Name:	RUDY LUNA
Contact Address:	29714 HAUN RD , , MENIFEE , CA, 92586 ,
Contact Phone No and Ext:	951-746-0450
Contact Email:	PVEGA@ENVLOGS.COM
Contact Country:	
County Name:	RIVERSIDE
EPA Region:	09
Land Type:	
Receive Date:	20210115
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sequence No: 1
Receive Date: 20210115
Handler Name: CITY OF MENIFEE
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: RUDY LUNA
Date Became Current:
Date Ended Current:
Phone: 951-746-0450
Source Type: Implementer
Street No:
Street 1: 29714 HAUN RD
Street 2:
City: MENIFEE
State: CA
Country:
Zip Code: 92586

Owner/Operator Ind: Current Owner
Type: Other
Name: CITY OF MENIFEE
Date Became Current:
Date Ended Current:
Phone: 951-746-0450
Source Type: Implementer
Street No:
Street 1: 29714 HAUN RD
Street 2:
City: MENIFEE
State: CA
Country:
Zip Code: 92586

10	1 of 9	NE	0.06 / 334.19	1,446.15 / 6	EMWD Romoland Pumping Plant 27990 Ethanac Rd Romoland CA 92585	HZH RIVERSIDE

10	2 of 9	NE	0.06 / 334.19	1,446.15 / 6	ROMOLAND PUMPING PLANT 27990 ETHANAC ROMOLAND CA 92343	HHSS

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001f620.pdf

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10	3 of 9	NE	0.06 / 334.19	1,446.15 / 6	EASTERN MUNICIPAL WATER DISTRI 27990 ETHANAC ROMOLAND CA	EMISSIONS

1993 Criteria Data

Facility ID: 70280
Facility SIC Code: 4941
CO: 33
Air Basin: SC
District: SC
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 1.2
ROGT: .10968
COT: .4
NOXT: 2.9
SOXT: 0
PMT:
PM10T:

1993 Toxic Data

Facility ID: 70280
Facility SIC Code: 4941
CO: 33
Air Basin: SC
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

1995 Criteria Data

Facility ID:	70280	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	1.2
CO:	33	**ROGT:**	.10968
Air Basin:	SC	**COT:**	.4
District:	SC	**NOXT:**	2.9
COID:	RIV	**SOXT:**	0
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1995 Toxic Data

Facility ID:	70280	**COID:**	RIV
Facility SIC Code:	4941	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	4 of 9	NE	0.06 / 334.19	1,446.15 / 6	EASTERN MUNICIPAL WATER DISTRICT 27990 ETHANAC ROMOLAND CA 92590	EMISSIONS

2004 Criteria Data

Facility ID:	70280	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	.1459
CO:	33	**ROGT:**	.01333526
Air Basin:	SC	**COT:**	.419
District:	SC	**NOXT:**	.2019
COID:	RIV	**SOXT:**	.00095
DISN:	SOUTH COAST AQMD	**PMT:**	.01595
CHAPIS:		**PM10T:**	.0158543

2004 Toxic Data

Facility ID:	70280	**COID:**	RIV
Facility SIC Code:	4941	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	70280	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	2.330415754923413566739606126914660831

			51
CO:	33	**ROGT:**	.213
Air Basin:	SC	**COT:**	.569
District:	SC	**NOXT:**	.309
COID:	RIV	**SOXT:**	.001
DISN:	SOUTH COAST AQMD	**PMT:**	.016
CHAPIS:		**PM10T:**	.015904

2005 Toxic Data

Facility ID:	70280	**COID:**	RIV
Facility SIC Code:	4941	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	70280	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	2.21006564551422319474835886214442013129
CO:	33	**ROGT:**	.202
Air Basin:	SC	**COT:**	.552
District:	SC	**NOXT:**	.287
COID:	RIV	**SOXT:**	.001
DISN:	SOUTH COAST AQMD	**PMT:**	.018
CHAPIS:		**PM10T:**	.017892

2006 Toxic Data

Facility ID:	70280	**COID:**	RIV
Facility SIC Code:	4941	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	70280	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	2.21006564551422319474835886214442013129
CO:	33	**ROGT:**	.202
Air Basin:	SC	**COT:**	.552
District:	SC	**NOXT:**	.287
COID:	RIV	**SOXT:**	.001
DISN:	SOUTH COAST AQMD	**PMT:**	.018
CHAPIS:		**PM10T:**	.017892

2007 Toxic Data

Facility ID:	70280	**COID:**	RIV
Facility SIC Code:	4941	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
10	5 of 9	NE	0.06 / 334.19	1,446.15 / 6	EASTERN MUNICIPAL WATER DISTRI 27990 ETHANAC ROMOLAND CA 92590	EMISSIONS

1996 Criteria Data

Facility ID:	70280	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	2.6
CO:	33	**ROGT:**	.23764
Air Basin:	SC	**COT:**	.3
District:	SC	**NOXT:**	.2
COID:	RIV	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1996 Toxic Data

Facility ID:	70280	**COID:**	RIV
Facility SIC Code:	4941	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Toxic Data

Facility ID:	70280	**COID:**	RIV
Facility SIC Code:	4941	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Toxic Data

Facility ID:	70280	**COID:**	RIV
Facility SIC Code:	4941	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Toxic Data

Facility ID:	70280	**COID:**	RIV
Facility SIC Code:	4941	**DISN:**	SOUTH COAST AQMD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CO: 33
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CHAPIS:
CERR Code:

2001 Toxic Data

Facility ID: 70280
Facility SIC Code: 4941
CO: 33
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

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10 | ***6 of 9*** | ***NE*** | ***0.06 / 334.19*** | ***1,446.15 / 6*** | ***EMWD Romoland Pumping Plant***
27990 ETHANAC RD
ROMOLAND CA 92585 | ***CERS HAZ***

Site ID: 114530
Latitude: 33.74297
Longitude: -117.17225
County:

Regulated Programs

EI ID: 10317085
EI Description: Chemical Storage Facilities

Evaluations

Eval Date: 04/23/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 01/02/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Facility is an EMWD pumping plant, which stores engine oil on-site.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Environmental Contact
Entity Name: DOUG EDWARDS
Entity Title:
Address: PO Box 8300
City: Perris

State:	CA
Country:	
Zip Code:	92572
Phone:	

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	PO Box 8300
City:	Perris
State:	CA
Country:	
Zip Code:	92572-8300
Phone:	

Affil Type Desc:	Document Preparer
Entity Name:	Andrew Stewart
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	CUPA District
Entity Name:	Riverside Cnty Env Health
Entity Title:	
Address:	4065 County Circle Drive, Room 104
City:	Riverside
State:	CA
Country:	
Zip Code:	92503
Phone:	(951) 358-5055

Affil Type Desc:	Property Owner
Entity Name:	EMWD
Entity Title:	
Address:	PO Box 8300
City:	Perris
State:	CA
Country:	United States
Zip Code:	92572
Phone:	(951) 928-3777

Affil Type Desc:	Identification Signer
Entity Name:	Doug Edwards
Entity Title:	Environmental Services Manager
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Parent Corporation
Entity Name:	Eastern Municipal Water District
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Operator
Entity Name:	Eastern Municipal Water District
Entity Title:	
Address:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

City:
State:
Country:
Zip Code:
Phone: (951) 928-3777

Affil Type Desc: Legal Owner
Entity Name: Eastern Municipal Water District
Entity Title:
Address: PO Box 8300
City: Perris
State: CA
Country: United States
Zip Code: 92572-8300
Phone: (909) 928-3777

10	7 of 9	NE	0.06 / 334.19	1,446.15 / 6	ROMOLAND PUMPING PLANT 27990 ETHANAC ROMOLAND CA	HIST TANK

Owner Name: EASTERN MUNICIPAL WATER DIST.
Owner Street: 24550 SAN JACINTO STREET
Owner City: HEMET
Owner State: CA
Owner Zip: 92343
No of Containers: 1
County: RIVERSIDE
Facility State: CA
Facility Zip: 92343

10	8 of 9	NE	0.06 / 334.19	1,446.15 / 6	ROMOLAND PUMP PLANT 27990 ETHANAC RD ROMOLAND CA 92585-9769	RCRA NON GEN

EPA Handler ID: CAL000325512
Gen Status Universe: No Report
Contact Name: DOUG EDWARDS
Contact Address: 2270 TRUMBLE ROAD , , PERRIS , CA, 92572 ,
Contact Phone No and Ext: 951-928-3777
Contact Email: EDWARDSD@EMWD.ORG
Contact Country:
County Name: RIVERSIDE
EPA Region: 09
Land Type:
Receive Date: 20071005
Location Latitude: 33.742986
Location Longitude: -117.172172

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No

Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20071005
Handler Name: ROMOLAND PUMP PLANT
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: EASTERN MUNICIPAL WATER DISTRICT
Date Became Current:
Date Ended Current:
Phone: 951-928-3777
Source Type: Implementer
Street No:
Street 1: PO BOX 8300
Street 2:
City: PERRIS
State: CA
Country:
Zip Code: 92572-8300

Owner/Operator Ind: Current Operator
Type: Other
Name: DOUG EDWARDS
Date Became Current:
Date Ended Current:
Phone: 951-928-3777
Source Type: Implementer
Street No:
Street 1: 2270 TRUMBLE ROAD
Street 2:
City: PERRIS
State: CA
Country:
Zip Code: 92572

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	9 of 9	NE	0.06 / 334.19	1,446.15 / 6	EMWD ROMOLAND PUMPING PLANT 27990 ETHANAC ROMOLAND CA	UST SWEEPS

C C: A33-000-30880
BOE: 44-018137
Comp: 30880
Status: ACTIVE
No of Tanks: 1
Jurisdict: RIVERSIDE COUNTY
Agency: ENVIRONMENTAL HEALTH - U.S.T.
Phone:
D Filename: SITE16A
Page No: 130
County: RIVERSIDE
State : CA
Zip: 92343
Latitude: 33.743015
Longitude: -117.189458
Georesult: S5HPN-S--A

Tank Details

Tank ID: 000001
O Tank ID: 000109
SWRCB No: 33-000-030880-000001
Removed:
Installed:
A Date: 10-29-92
Capac: 110
Tank Use: OIL
S Contain:
Stg: W
Storage :
Storag Type: WASTE
P Contain:
Content: WASTE OIL
ONA:
D File Name: TANK16A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	1 of 1	NNW	0.09 / 490.41	1,440.00 / 0	27772 HARRISON ROMOLAND CA 92585	CDL

Clue: 1998-09-167
Date: 9/30/1998
County: RIVERSIDE
Lab Type: L
Lab Type Description: Illegal Drug Lab - location where an illegal drug lab was operated or drug lab equipment and/or materials were

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					stored.	
12	1 of 1	NNW	0.10 / 545.41	1,439.48 / -1	27738 HARRISON AVE ROMOLAND CA 92380	CDL

Clue: 1997-02-069
Date: 2/14/1997
County: RIVERSIDE
Lab Type: L
Lab Type Description: Illegal Drug Lab - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	1 of 1	S	0.12 / 659.74	1,439.48 / -1	AES CORP DBA AES CONSTRUCTI0N SERVICES 27955 MCLAUGHLIN AVE SUN CITY CA 92585	RCRA NON GEN

EPA Handler ID: CAL000378765
Gen Status Universe: No Report
Contact Name: ARMANDO LOVERA
Contact Address: 175 N. CAWSTON AVE SUITE 170 , , HEMET , CA, 92545 ,
Contact Phone No and Ext: 951-929-8780
Contact Email: SUSY.CARRILLO@AESCORPCONSTRUCTION.COM
Contact Country:
County Name: RIVERSIDE
EPA Region: 09
Land Type:
Receive Date: 20121004
Location Latitude: 33.735768
Location Longitude: -117.173398

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20121004
Handler Name: AES CORP DBA AES CONSTRUCTI0N SERVICES
Source Type: Implementer
Federal Waste Generator Code: N

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	830 SHIRAZ DR
Name:	ARMANDO LOVERA	**Street 2:**	
Date Became Current:		**City:**	HEMET
Date Ended Current:		**State:**	CA
Phone:	951-929-8780	**Country:**	
Source Type:	Implementer	**Zip Code:**	92545-0000

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	175 N. CAWSTON AVE SUITE 170
Name:	ARMANDO LOVERA	**Street 2:**	
Date Became Current:		**City:**	HEMET
Date Ended Current:		**State:**	CA
Phone:	951-929-8780	**Country:**	
Source Type:	Implementer	**Zip Code:**	92545

---

14 | **1 of 2** | **NNE** | **0.17 / 904.93** | **1,448.26 / 8** | **HIGH SCHOOL NO. 3**
BRIGGS ROAD/PINACATE ROAD
ROMOLAND CA 92585 | **SCH**

Estor/EPA ID:	33010072	**Permit Renewal Lead:**	
Site Code:	404438	**Project Manager:**	
Nat Priority List:	NO	**Supervisor:**	JAVIER HINOJOSA
Acres:	60 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6065042730
Funding:	SCHOOL DISTRICT	**County:**	RIVERSIDE
Assembly District:	67	**Latitude:**	33.744518
Senate District:	23	**Longitude:**	-117.171899

School District: PERRIS UNION HIGH SCHOOL DISTRICT
APN: NONE SPECIFIED
Cleanup Status: NO FURTHER ACTION AS OF 3/19/2003
Cleanup Oversight Agencies: DTSC - LEAD AGENCY
Site Type: SCHOOL
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Past Use that Caused Contam: AGRICULTURAL - ROW CROPS
Potential Media Affected: SOIL
Potential Contamin of Concern:

ORGANOCHLORINE PESTICIDES (8081 OCPS) PETROLEUM POLYCHLORINATED BIPHENYLS (8082 PCBS) POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)

SITE HISTORY:

The approximately 60-acre site is surrounded predominantly by vacant or agricultural land. The site has been historically utilized for agricultural purposes, indicating the potential application of pesticides/chemicals.

Status: NO FURTHER ACTION
Program Type: SCHOOL INVESTIGATION
CalEnviroScreen Score: 66-70%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=33010072

Completed Activities

Title: Preliminary Endangerment Assessment Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=33010072&doc_id=6003999
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 9/15/2004

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Comments:

Title: Phase 1 Draft
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 3/2/2003
Comments: Phase 1 Draft

Title: * Workplan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=33010072&doc_id=6004000
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Workplan
Date Completed: 12/29/2003
Comments:

Title: Environmental Oversight Agreement
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=33010072&enforcement_id=6003998
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 3/19/2003
Comments:

14	*2 of 2*	*NNE*	*0.17 / 904.93*	*1,448.26 / 8*	***HIGH SCHOOL NO. 3*** ***BRIGGS ROAD/PINACATE ROAD*** ***ROMOLAND CA 92585***	***ENVIROSTOR***

Estor/EPA ID: 33010072
Site Code: 404438
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6065042730
Site Type: SCHOOL
Address Description: BRIGGS ROAD/PINACATE ROAD
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 67
Senate District: 23
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: RIVERSIDE
Latitude: 33.744518
Longitude: -117.171899
Acres: 60 ACRES
Supervisor: JAVIER HINOJOSA
Cleanup Status: NO FURTHER ACTION AS OF 3/19/2003
Cleanup Oversight Agencies: DTSC - LEAD AGENCY
School District: PERRIS UNION HIGH SCHOOL DISTRICT
Past Use that Caused Contam: AGRICULTURAL - ROW CROPS
Potential Media Affected: SOIL
Potential Contamin of Concern:

ORGANOCHLORINE PESTICIDES (8081 OCPS) PETROLEUM POLYCHLORINATED BIPHENYLS (8082 PCBS) POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)

Site History:

The approximately 60-acre site is surrounded predominantly by vacant or agricultural land. The site has been historically utilized for agricultural purposes, indicating the potential application of pesticides/chemicals.

Status: NO FURTHER ACTION
Program Type: SCHOOL INVESTIGATION
CalEnviroScreen Score: 66-70%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=33010072

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Completed Activities

Title: * Workplan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=33010072&doc_id=6004000
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Workplan
Date Completed: 12/29/2003
Comments:

Title: Phase 1 Draft
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 3/2/2003
Comments: Phase 1 Draft

Title: Environmental Oversight Agreement
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=33010072&enforcement_id=6003998
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 3/19/2003
Comments:

Title: Preliminary Endangerment Assessment Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=33010072&doc_id=6003999
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 9/15/2004
Comments:

15	*1 of 2*	*NNW*	*0.18 / 950.16*	*1,441.48 / 1*	***MENIFEE COLLISION CENTER*** ***27793 JACKSON AVE*** ***ROMOLAND CA 92585-9208***	***RCRA NON GEN***

EPA Handler ID: CAL000310748
Gen Status Universe: No Report
Contact Name: JULIO HERNANDEZ
Contact Address: 8633 , MARRON PEAK WAY , , RIVERSIDE , CA, 92508 , US
Contact Phone No and Ext: 323-244-6161
Contact Email: JULIOA300@GMAIL.COM
Contact Country: US
County Name: RIVERSIDE
EPA Region: 09
Land Type:
Receive Date: 20211025
Location Latitude: 33.744851
Location Longitude: -117.175262

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20060821
Handler Name:	MENIFEE COLLISION CENTER
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20211025
Handler Name:	MENIFEE COLLISION CENTER
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	27793 JACKSON AVE
Name:	JULIO HERNANDEZ	***Street 2:***	
Date Became Current:		***City:***	ROMOLAND
Date Ended Current:		***State:***	CA
Phone:	951-928-5545	***Country:***	
Source Type:	Implementer	***Zip Code:***	92585-9208

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	27793 JACKSON AVE
Name:	JULIO HERNANDEZ	***Street 2:***	
Date Became Current:		***City:***	ROMOLAND
Date Ended Current:		***State:***	CA
Phone:	323-244-6161	***Country:***	
Source Type:	Implementer	***Zip Code:***	92585-9208

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	27793 JACKSON AVE
Name:	MENIFEE COLLISION CENTER LLC	***Street 2:***	
Date Became Current:		***City:***	ROMOLAND
Date Ended Current:		***State:***	CA
Phone:	951-928-5545	***Country:***	US
Source Type:	Implementer	***Zip Code:***	92585-9208

Historical Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Dt: 20060821
Generator Code Description: Not a Generator, Verified
Handler Name: MENIFEE COLLISION CENTER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	2 of 2	NNW	0.18 / 950.16	1,441.48 / 1	MENIFEE COLLISION CENTER 27793 JACKSON AVE MENIFEE CA 92585	EMISSIONS

2017 Toxic Data

Facility ID: 185717
Facility SIC Code: 7532
CO: 33
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2018 Toxic Data

Facility ID: 185717
Facility SIC Code: 7532
CO: 33
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2019 Toxic Data

CO: 33
Air Basin: SC
Faccility ID: 185717
District: SC
Facility SIC Code: 7532
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TS:
Health Risk Asmt:
NonCncrChrnicHazInd:
NonCncrActeHazInd:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	1 of 4	ENE	0.20 / 1,036.08	1,451.48 / 11	DATATRONICS INC 28151 HWY 74 ROMOLAND CA 92585-0000	RCRA TSD

EPA Handler ID: CAD009532979
Gen Status Universe: Large Quantity Generator
Contact Name: CESAR BAUTISTA
Contact Address: 28151 , HWY 74 , , MENIFEE , CA, 92585 , US
Contact Phone No and Ext: 951-928-7700 768
Contact Email: CBAUTISTA@DATATRONICS.COM
Contact Country: US
Land Type: Private
County Name: RIVERSIDE
EPA Region: 09
Receive Date: 20181105
Location Latitude: 33.742972
Location Longitude: -117.165022

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Apr, 2022.

Evaluation Details

Evaluation Start Date: 19930328
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900412
Handler Name: BOURNS INSTRUMENTS INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20181105
Handler Name: DATATRONICS INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: 513

Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: BOURNS INSTRUMENTS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19801114
Handler Name: BOURNS INSTRUMENTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Implementer
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Owner/Operator Ind: Current Owner
Type: Private
Name: NOT REQUIRED
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Notification
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Owner/Operator Ind: Current Operator
Type: Private
Name: BRADLEY TURNER
Date Became Current: 20130701
Date Ended Current:
Phone: 951-928-7700
Source Type: Annual/Biennial Report update with Notification
Street No: 28151
Street 1: HWY 74
Street 2:
City: MENIFEE
State: CA
Country: US
Zip Code: 92585

Owner/Operator Ind: Current Owner
Type: Private
Name: PAUL SIU
Date Became Current: 19890403
Date Ended Current:
Phone: 951-928-7700
Source Type: Annual/Biennial Report update with Notification
Street No: 28151
Street 1: HWY 74
Street 2:
City: MENIFEE
State: CA
Country: US
Zip Code: 92585

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Historical Handler Details

Receive Dt: 19960901
Generator Code Description: Small Quantity Generator
Handler Name: BOURNS INSTRUMENTS

Receive Dt: 19801114
Generator Code Description: Large Quantity Generator
Handler Name: BOURNS INSTRUMENTS

Receive Dt: 19900412
Generator Code Description: Large Quantity Generator
Handler Name: BOURNS INSTRUMENTS INC.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	2 of 4	ENE	0.20 / 1,036.08	1,451.48 / 11	DATATRONICS, ROMOLAND, INC. 28151 HWY 74 ROMOLAND CA 92585	EMISSIONS

2015 Toxic Data

Facility ID: 69957
Facility SIC Code: 8711
CO: 33
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2016 Toxic Data

Facility ID: 69957
Facility SIC Code: 8711
CERR CODE:
COID: RIV
CO: 33
DISN: SOUTH COAST AQMD
CHAPIS:
TS:
HRA:
CH Index:
AH Index:
Air Basin: SC
District: SC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	3 of 4	ENE	0.20 / 1,036.08	1,451.48 / 11	DATATRONICS, ROMOLAND, INC. 28151 HIGHWAY 74 ROMOLAND CA 92380	EMISSIONS

1990 Criteria Data

Facility ID: 69957
Facility SIC Code: 8711
CO: 33
Air Basin: SC
District: SC
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 1.4
ROGT: 0
COT:
NOXT:
SOXT:
PMT:
PM10T:

1990 Toxic Data

Facility ID: 69957
COID: RIV

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility SIC Code:	8711	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	4 of 4	ENE	0.20 / 1,036.08	1,451.48 / 11	BOURNS, MAGNETIC DIV 28151 HIGHWAY 74 ROMOLAND CA 92380	EMISSIONS

1987 Criteria Data

Facility ID:	24576	**CERR Code:**	
Facility SIC Code:	3679	**TOGT:**	.4
CO:	33	**ROGT:**	.16
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	RIV	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1987 Toxic Data

Facility ID:	24576	**COID:**	RIV
Facility SIC Code:	3679	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	1 of 7	E	0.20 / 1,049.99	1,448.50 / 8	Inland Empire Energy Center, LLC 26226 Antelope Rd Romoland CA 92585	DELISTED COUNTY

Original Source Facility ID:	
Original Source Name:	Riverside County Disclosure Facility List
Record Date:	08-Jul-2014

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	2 of 7	E	0.20 / 1,049.99	1,448.50 / 8	INLAND EMPIRE ENERGY CENTER, LLC 26226 ANTELOPE RD ROMOLAND CA 92585	EMISSIONS

2006 Criteria Data

Facility ID:	129816	**CERR Code:**	
Facility SIC Code:	4911	**TOGT:**	. 00119517150711127046731205928050675271 9015
CO:	33	**ROGT:**	.001
Air Basin:	SC	**COT:**	.002
District:	SC	**NOXT:**	.01
COID:	RIV	**SOXT:**	0
DISN:	SOUTH COAST AQMD	**PMT:**	.001

CHAPIS: ***PM10T:*** .001

2006 Toxic Data

Facility ID: 129816
Facility SIC Code: 4911
CO: 33
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2007 Criteria Data

Facility ID: 129816
Facility SIC Code: 4911
CO: 33
Air Basin: SC
District: SC
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: .00119517150711127046731205928050675271 9015
ROGT: .001
COT: .002
NOXT: .01
SOXT: 0
PMT: .001
PM10T: .001

2007 Toxic Data

Facility ID: 129816
Facility SIC Code: 4911
CO: 33
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2008 Criteria Data

Facility ID: 129816
Facility SIC Code: 4911
CO: 33
Air Basin: SC
District: SC
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 53.4405148766114252114264729184170965340 7
ROGT: 4.97723
COT: 9.40384
NOXT: 26.85671
SOXT: .36417
PMT: 2.61627
PM10T: 2.292726

2008 Toxic Data

Facility ID: 129816
Facility SIC Code: 4911
CO: 33
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2009 Criteria Data

Facility ID:	129816	***CERR Code:***	
Facility SIC Code:	4911	***TOGT:***	124.61636291718801219480716790545451852 9
CO:	33	***ROGT:***	11.4415
Air Basin:	SC	***COT:***	27.624394
District:	SC	***NOXT:***	36.785848
COID:	RIV	***SOXT:***	4.195404
DISN:	SOUTH COAST AQMD	***PMT:***	20.63134
CHAPIS:		***PM10T:***	19.54596784

2009 Toxic Data

Facility ID:	129816	***COID:***	RIV
Facility SIC Code:	4911	***DISN:***	SOUTH COAST AQMD
CO:	33	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	129816	***COID:***	RIV
Facility SIC Code:	4911	***DISN:***	SOUTH COAST AQMD
CO:	33	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	129816	***CERR Code:***	
Facility SIC Code:	4911	***TOGT:***	256.92575949436878555472926177255421928 2
CO:	33	***ROGT:***	41.35646
Air Basin:	SC	***COT:***	101.16859
District:	SC	***NOXT:***	47.46303
COID:	RIV	***SOXT:***	10.98316
DISN:	SOUTH COAST AQMD	***PMT:***	54.04411
CHAPIS:		***PM10T:***	51.72155458

2011 Toxic Data

Facility ID:	129816	***COID:***	RIV
Facility SIC Code:	4911	***DISN:***	SOUTH COAST AQMD
CO:	33	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

17	*3 of 7*	*E*	*0.20 / 1,049.99*	*1,448.50 / 8*	***INLAND EMPIRE ENERGY CENTER, LLC***	***EMISSIONS***

26226 ANTELOPE RD
MENIFEE CA 92585

2012 Criteria Data

Facility ID:	129816	**CERR Code:**	
Facility SIC Code:	4911	**TOGT:**	256.66668964089462299519813833531834466 2
CO:	33	**ROGT:**	23.49377
Air Basin:	SC	**COT:**	.17888993
District:	SC	**NOXT:**	50.64846
COID:	RIV	**SOXT:**	8.43414
DISN:	SOUTH COAST AQMD	**PMT:**	41.69057
CHAPIS:		**PM10T:**	39.42500198

2012 Toxic Data

Facility ID:	129816	**COID:**	RIV
Facility SIC Code:	4911	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	129816	**CERR Code:**	
Facility SIC Code:	4911	**TOGT:**	244.42960855083725114163927645190338179 5
CO:	33	**ROGT:**	22.38069
Air Basin:	SC	**COT:**	25.69514
District:	SC	**NOXT:**	27.26341
COID:	RIV	**SOXT:**	4.02769525
DISN:	SOUTH COAST AQMD	**PMT:**	20.49119
CHAPIS:		**PM10T:**	19.244306

2013 Toxic Data

Facility ID:	129816	**COID:**	RIV
Facility SIC Code:	4911	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	129816	**CERR Code:**	
Facility SIC Code:	4911	**TOGT:**	248.08114496160461172593096027179243187 4
CO:	33	**ROGT:**	23.12762
Air Basin:	SC	**COT:**	6.80492
District:	SC	**NOXT:**	68.36313
COID:	RIV	**SOXT:**	5.605655
DISN:	SOUTH COAST AQMD	**PMT:**	28.23504
CHAPIS:		**PM10T:**	26.57470362

2014 Toxic Data

Facility ID:	129816	***COID:***	RIV
Facility SIC Code:	4911	***DISN:***	SOUTH COAST AQMD
CO:	33	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	129816	***CERR Code:***	
Facility SIC Code:	4911	***TOGT:***	65.654252531021800893292370990600628440026
CO:	33	***ROGT:***	6.39914771
Air Basin:	SC	***COT:***	3.95202813
District:	SC	***NOXT:***	17.78242364
COID:	RIV	***SOXT:***	2.295083907
DISN:	SOUTH COAST AQMD	***PMT:***	12.01250113
CHAPIS:		***PM10T:***	11.2019724874

2015 Toxic Data

Facility ID:	129816	***COID:***	RIV
Facility SIC Code:	4911	***DISN:***	SOUTH COAST AQMD
CO:	33	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	129816	***CERR CODE:***	
Facility SIC Code:	4911	***TOGT:***	27.006923591640663204033781872801733209 72
CO:	33	***ROGT:***	2.54103
Air Basin:	SC	***COT:***	2.98348
District:	SC	***NOXT:***	8.28
COID:	RIV	***SOXT:***	.94117669
DISN:	SOUTH COAST AQMD	***PMT:***	4.890544
CHAPIS:		***PM10T:***	4.584590944

2016 Toxic Data

Facility ID:	129816	***TS:***	
Facility SIC Code:	4911	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	RIV	***AH Index:***	
CO:	33	***Air Basin:***	SC
DISN:	SOUTH COAST AQMD	***District:***	SC
CHAPIS:			

2017 Criteria Data

Facility ID:	129816	***CERR Code:***	

Facility SIC Code:	4911	**TOGT:**	27.43104836002149005773605120578130792 91
CO:	33	**ROGT:**	2.57618
Air Basin:	SC	**COT:**	5.74198
District:	SC	**NOXT:**	9.04
COID:	RIV	**SOXT:**	.9124407
DISN:	SOUTH COAST AQMD	**PMT:**	4.76446
CHAPIS:		**PM10T:**	4.45937296

2017 Toxic Data

Facility ID:	129816	**COID:**	RIV
Facility SIC Code:	4911	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	129816	**CERR Code:**	
Facility SIC Code:	4911	**TOGT:**	15.254622799971873077945030735373125212 26
CO:	33	**ROGT:**	1.47166281
Air Basin:	SC	**COT:**	2.1260782
District:	SC	**NOXT:**	5.2661275
COID:	RIV	**SOXT:**	.505660877
DISN:	SOUTH COAST AQMD	**PMT:**	2.74298641
CHAPIS:		**PM10T:**	2.54925722854

2018 Toxic Data

Facility ID:	129816	**COID:**	RIV
Facility SIC Code:	4911	**DISN:**	SOUTH COAST AQMD
CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
Facility ID:	129816	**ROGT:**	.3689495
District:	SC	**COT:**	3.8406601
Facility SIC Code:	1629	**NOXT:**	1.2505235
CO ID:	RIV	**SOXT:**	.0889467391
DISN:	SOUTH COAST AQMD		
PM10T:	.39065984012		
TOGT:	3.77748754846642139575668617396442936388		
PMT:	.39561668		

2019 Toxic Data

CO:	33	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
Faccility ID:	129816	**TS:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District: SC
Facility SIC Code: 1629
COID: RIV
DISN: SOUTH COAST AQMD
Health Risk Asmt: NonCncrChrnicHazInd :
NonCncrActeHazInd:

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17 | 4 of 7 | E | 0.20 / 1,049.99 | 1,448.50 / 8 | **Inland Empire Energy Center, LLC**
26226 ANTELOPE RD
MENIFEE CA 92585 | **DELISTED CTNK**

Site ID: 38148
County:
Tank Type:
Original Source: CTNK
Record Date: 29-APR-2021
Latitude: 33.738330
Longitude: -117.171640

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17 | 5 of 7 | E | 0.20 / 1,049.99 | 1,448.50 / 8 | **INLAND EMPIRE ENERGY CENTER LLC**
26226 ANTELOPE ROAD
MENIFEE CA 92585-0000 | **RCRA LQG**

EPA Handler ID: CAR000216952
Gen Status Universe: Large Quantity Generator
Contact Name: FRANCISCO ESCOBEDO
Contact Address: 26226 , ANTELOPE ROAD , , MENIFEE , CA, 92585-0000 , US
Contact Phone No and Ext: 951-928-5941
Contact Email: FRANK.ESCOBEDO@GE.COM
Contact Country: US
County Name: RIVERSIDE
EPA Region: 09
Land Type: Private
Receive Date: 20200227
Location Latitude: 33.775796
Location Longitude: -117.169474

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20200227
Handler Name: INLAND EMPIRE ENERGY CENTER LLC

Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20170317
Handler Name: INLAND EMPIRE ENERGY CENTER
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20140227
Handler Name: INLAND EMPIRE ENERGY CENTER
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20110302
Handler Name: INLAND EMPIRE ENERGY CENTER
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: 331

Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20170411
Handler Name: INLAND EMPIRE ENERGY CENTER LLC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20180213
Handler Name: INLAND EMPIRE ENERGY CENTER LLC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D035

Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Handler Details

Sequence No: 2

Receive Date: 20160212
Handler Name: SOUTHERN CALIFORNIA GAS COMPANY (INLAND EMPIRE ENERGY CENTER)
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: 731
Waste Code Description: Liquids with polychlorinated biphenyls > 50 mg/l

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 151
Waste Code Description: Asbestos-containing waste

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: INLAND EMPIRE ENERGY CENTER LLC
Date Became Current: 20060101
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1:
Street 2:
City:
State:
Country:
Zip Code:

Owner/Operator Ind: Current Operator
Type: Private
Name: GE
Date Became Current: 20060101
Date Ended Current:
Phone: 951-928-5908
Source Type: Annual/Biennial Report update with Notification
Street No: 26226
Street 1: ANTELOPE ROAD
Street 2:
City: MENIFEE
State: CA
Country: US
Zip Code: 92585-0000

Owner/Operator Ind: Current Operator
Type: Private
Name: SOUTHERN CALIFORNIA GAS COMPANY
Date Became Current: 20150211
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind: Current Owner
Type: Private
Name: INLAND EMPIRE ENERGY CENTER
Date Became Current: 20010713
Date Ended Current:
Phone: 951-928-5941
Source Type: Annual/Biennial Report update with Notification
Street No: 26226
Street 1: ANTELOPE RD
Street 2:
City: MENIFEE
State: CA
Country:
Zip Code: 92585

Owner/Operator Ind: Current Owner
Type: Private
Name: INLAND EMPIRE ENERGY CENTER LLC
Date Became Current: 20031223
Date Ended Current:
Phone: 951-928-5941
Source Type: Annual/Biennial Report update with Notification
Street No: 26226
Street 1: ANTELOPE RD
Street 2:
City: MENIFEE
State: CA
Country:
Zip Code: 92585

Owner/Operator Ind: Current Operator
Type: Private
Name: INLAND EMPIRE ENERGY CENTER LLC
Date Became Current: 20050729
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind: Current Owner
Type: County
Name: RIVERSIDE COUNTY FLOOD CONTROL
Date Became Current: 20050729
Date Ended Current:
Phone: 951-928-4851
Source Type: Notification
Street No:
Street 1: 26226 ANTELOPE RD
Street 2:
City: MENIFEE
State: CA
Country: US
Zip Code: 92585

Owner/Operator Ind: Current Operator
Type: Private
Name: GE
Date Became Current: 20060101
Street No:
Street 1:
Street 2:
City:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Notification	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	26226
Type:	Private	**Street 1:**	ANTELOPE ROAD
Name:	INLAND EMPIRE ENERGY CENTER LLC	**Street 2:**	
Date Became Current:	20010713	**City:**	MENIFEE
Date Ended Current:		**State:**	CA
Phone:	951-928-5941	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	92585-0000
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	26226 ANTELOPE RD
Name:	INLAND EMPIRE ENERGY CENTER LLC	**Street 2:**	
Date Became Current:	20050729	**City:**	MENIFEE
Date Ended Current:		**State:**	CA
Phone:	951-928-5900	**Country:**	US
Source Type:	Notification	**Zip Code:**	92585
Owner/Operator Ind:	Current Owner	**Street No:**	26226
Type:	Private	**Street 1:**	ANTELOPE RD
Name:	INLAND EMPIRE ENERGY CENTER, LLC	**Street 2:**	
Date Became Current:	20010713	**City:**	MENIFEE
Date Ended Current:		**State:**	CA
Phone:	951-925-5941	**Country:**	US
Source Type:	Notification	**Zip Code:**	92585
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GE POWER GENERATION	**Street 2:**	
Date Became Current:	20030814	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	

Historical Handler Details

Receive Dt:	20110302
Generator Code Description:	Small Quantity Generator
Handler Name:	INLAND EMPIRE ENERGY CENTER
Receive Dt:	20160212
Generator Code Description:	Large Quantity Generator
Handler Name:	SOUTHERN CALIFORNIA GAS COMPANY (INLAND EMPIRE ENERGY CENTER)
Receive Dt:	20140227
Generator Code Description:	Large Quantity Generator
Handler Name:	INLAND EMPIRE ENERGY CENTER
Receive Dt:	20180213
Generator Code Description:	Large Quantity Generator
Handler Name:	INLAND EMPIRE ENERGY CENTER LLC
Receive Dt:	20170317
Generator Code Description:	Small Quantity Generator
Handler Name:	INLAND EMPIRE ENERGY CENTER
Receive Dt:	20170411
Generator Code Description:	Small Quantity Generator
Handler Name:	INLAND EMPIRE ENERGY CENTER LLC

17	6 of 7	E	0.20 / 1,049.99	1,448.50 / 8	**INLAND EMPIRE ENERGY CENTER** **26226 ANTELOPE RD** **MENIFEE CA 92585**	**RCRA NON GEN**

EPA Handler ID:	CAP000220002
Gen Status Universe:	No Report
Contact Name:	ANDREW J GETZ
Contact Address:	28 LOCKE RD , , CONCORD , NH, 03301 , US
Contact Phone No and Ext:	866-811-8365 x81
Contact Email:	ANDY@REACT365.COM
Contact Country:	US
County Name:	RIVERSIDE
EPA Region:	09
Land Type:	Private
Receive Date:	20100308
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20100308
Handler Name:	INLAND EMPIRE ENERGY CENTER
Source Type:	Temporary
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20091208
Handler Name:	INLAND EMPIRE ENERGY CENTER
Source Type:	Temporary
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator

Waste Code Details

Hazardous Waste Code:	D007
Waste Code Description:	CHROMIUM

Owner/Operator Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	BES & T	**Street 2:**	
Date Became Current:	20091005	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Temporary	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	26226 ANTELOPE RD
Name:	IEEC LLC	**Street 2:**	
Date Became Current:	20050729	**City:**	MENIFEE
Date Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Temporary	**Zip Code:**	92585

Historical Handler Details

Receive Dt:	20091208
Generator Code Description:	Large Quantity Generator
Handler Name:	INLAND EMPIRE ENERGY CENTER

17	*7 of 7*	*E*	*0.20 / 1,049.99*	*1,448.50 / 8*	***CALPINE NOVA POWER, LLC 26226 ANTELOPE RD MENIFEE CA 92585***	***RCRA NON GEN***

EPA Handler ID:	CAC003147272
Gen Status Universe:	No Report
Contact Name:	MORGAN DAY
Contact Address:	606 DE LA FUENTE CT , , SAN DIEGO , CA, 92154 ,
Contact Phone No and Ext:	951-202-0525
Contact Email:	MORGAN.DAY@CALPINE.COM
Contact Country:	
County Name:	RIVERSIDE
EPA Region:	09
Land Type:	
Receive Date:	20211108
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20211108
Handler Name: CALPINE NOVA POWER, LLC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: CALPINE NOVA POWER, LLC
Date Became Current:
Date Ended Current:
Phone: 619-661-3407
Source Type: Implementer
Street No:
Street 1: 606 DE LA FUENTE CT
Street 2:
City: SAN DIEGO
State: CA
Country:
Zip Code: 92154

Owner/Operator Ind: Current Operator
Type: Other
Name: MORGAN DAY
Date Became Current:
Date Ended Current:
Phone: 951-202-0525
Source Type: Implementer
Street No:
Street 1: 606 DE LA FUENTE CT
Street 2:
City: SAN DIEGO
State: CA
Country:
Zip Code: 92154

18	1 of 4	N	0.21 / 1,131.22	1,444.27 / 4	***Romoland Market*** ***27856 Hwy 74*** ***Romoland CA***	***LOP*** ***RIVERSIDE***

Site ID: 92265
Status Code: 9
Status Desc: CLOSED/ACTION COMPLETED
Case Type Code: S
Case Type Desc: SOIL ONLY IS IMPACTED
Closed Code: Y
Closed Desc: CLOSED SITE
Employee: Brown

18	2 of 4	N	0.21 / 1,131.22	1,444.27 / 4	***ROMOLAND MARKET*** ***27856 HIGHWAY 74*** ***ROMOLAND CA 92380***	***LUST***

Global ID: T0606500088
Status: COMPLETED - CASE CLOSED
Status Date: 1996-07-25 00:00:00
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites & Military UST Site from GeoTracker Project Search Results Export; LUST Cleanup Sites & Military UST Site from GeoTracker Cleanup Sites Data Download
County: RIVERSIDE
Latitude: 33.7454021036022
Longitude: -117.173973939734

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083300832T
Local Case No: 92265
Begin Date: 3/19/1992
Lead Agency: RIVERSIDE COUNTY LOP
Local Agency: RIVERSIDE COUNTY LOP
CUF Case: YES
CalEnvScreen Score: 66-70%
EPA Region: 9
Qty Rlsd Gallons:
Potential Media of Concern: Soil
How Discovered Description: Tank Removal
Calwater Watershed Name: San Jacinto Valley - Perris - Perris Valley (802.11)
DWR GW Subbasin Name: San Jacinto (8-005)
Disadvantaged Community:
Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method: Close and Fill Tank in Place
Stop Description:
Case Worker: RIV
Military DoD Site: No
Leak Reported Dt: 1992-03-19 00:00:00
No Further Action Dt: 1996-07-25 00:00:00

Coordinate Source: Google Map Move
Discharge Cause: Overfill
Discharge Source: Other
File Location: Local Agency Warehouse
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 2/17/2009
Action: Closure/No Further Action Letter - #Site Closure

Action Type: ENFORCEMENT
Date : 2/16/2009
Action: File review - #RCDEH Upload Site File 10/21/2015

Action Type: ENFORCEMENT
Date : 7/25/1996
Action: Closure/No Further Action Letter

Action Type: Other
Date : 3/19/1992
Action: Leak Stopped

Action Type: Other
Date : 3/19/1992
Action: Leak Reported

Action Type: Other
Date : 3/19/1992
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: Riverside County LOP
City: RIVERSIDE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
Email:
Phone No: 9519558980

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 7/25/1996

Status: Open - Site Assessment
Status Date: 3/19/1992

Status: Open - Case Begin Date
Status Date: 3/19/1992

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: ROMOLAND MARKET
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: C
CUF Amount Paid: $35,172
File Location: LOCAL AGENCY WAREHOUSE
Designated Beneficial Use: MUN, AGR, 8 - Note: Also incl parts of 802.12 - Note: Also incl parts of 802.12, and 802.13.
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 27856 HIGHWAY 74
City: ROMOLAND
Zip: 92380
County: RIVERSIDE
CUF Claim: 10695

Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0606500088
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/25/1996
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0606500088&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: San Jacinto (8-005)
Calwater Watershed Name: San Jacinto Valley - Perris - Perris Valley (802.11)
Post Closure Site Management: NOTIFY PRIOR TO CHANGE IN LAND USE
Future Land Use:
Cleanup Oversight Agencies: RIVERSIDE COUNTY LOP (LEAD) - CASE #: 92265
CASEWORKER: Riverside County LOP
SANTA ANA RWQCB (REGION 8) - CASE #: 083300832T
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, 8 - Note: Also incl parts of 802.12 - Note: Also incl parts of 802.12, and 802.13.
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 7/25/1996

Status: Open - Site Assessment
Date : 3/19/1992

Status: Open - Case Begin Date
Date : 3/19/1992

Sites from GeoTracker Search - Regulatory Activities

Action Type: Other Regulatory Actions
Action Date: 2/17/2009
Received Issue Date: 2/17/2009
Action: Closure/No Further Action Letter - #Site Closure
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606500088&enforcement_id=6003167&temptable=ENFORCEMENT
Title Description Comments:

RivCo Site Closure

Action Type: Other Regulatory Actions
Action Date: 2/16/2009
Received Issue Date: 2/16/2009
Action: File review - #RCDEH Upload Site File 10/21/2015
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606500088&enforcement_id=6063159&temptable=ENFORCEMENT
Title Description Comments:

RCDEH Upload Site File 10/21/2015

Action Type: Other Regulatory Actions
Action Date: 7/25/1996
Received Issue Date: 7/25/1996
Action: Closure/No Further Action Letter
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 3/19/1992
Received Issue Date:
Action: Leak Discovery

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 3/19/1992
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 3/19/1992
Received Issue Date:
Action: Leak Stopped
Doc Link:
Title Description Comments:

Sites from GeoTracker Search - Documents

Document Type: Site Documents
Document Date: 2/17/2009
Type: CLOSURE/NO FURTHER ACTION LETTER
Title: RIVCO SITE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606500088&enforcement_id=6003167
Size :
Submitted By: RIVERSIDE COUNTY LOP (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 2/16/2009
Type: FILE REVIEW
Title: RCDEH UPLOAD SITE FILE 10/21/2015
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606500088&enforcement_id=6063159
Size :
Submitted By: LINDA SHURLOW (REGULATOR)
Submitted:

18	*3 of 4*	*N*	*0.21 / 1,131.22*	*1,444.27 / 4*	***ROMOLAND MARKET*** ***27856 HIGHWAY 74*** ***ROMOLAND CA 92380***	***HHSS***

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001f958.pdf

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18	*4 of 4*	*N*	*0.21 / 1,131.22*	*1,444.27 / 4*	***ROMOLAND MARKET #231*** ***27856 HIGHWAY 74*** ***ROMOLAND CA***	***UST SWEEPS***

C C: A33-000-31976
BOE: 44-008422
Comp: 31976
Status: ACTIVE
No of Tanks: 3
Jurisdict: RIVERSIDE COUNTY
Agency: ENVIRONMENTAL HEALTH - U.S.T.
Phone:
D Filename: SITE16A
Page No: 130
County: RIVERSIDE
State : CA
Zip: 92380
Latitude: 0
Longitude: 0
Georesult: N

Tank Details

Tank ID: 000003
O Tank ID: 231-3
SWRCB No: 33-000-031976-000003
Removed:
Installed:
A Date: 05-09-90
Capac: 5000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: REG UNLEADED
ONA:
D File Name: TANK16A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Details

Tank ID:	000001	***S Contain:***	
O Tank ID:	231-1	***Stg:***	P
SWRCB No:	33-000-031976-000001	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	05-09-90	***Content:***	LEADED
Capac:	9940	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK16A

Tank Details

Tank ID:	000002	***S Contain:***	
O Tank ID:	231-2	***Stg:***	P
SWRCB No:	33-000-031976-000002	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	05-09-90	***Content:***	REG UNLEADED
Capac:	9940	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK16A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	*1 of 1*	*ENE*	*0.28 / 1,500.11*	*1,454.10 / 14*	***Amerimax Building Products Inc*** ***28291 E HWY 74*** ***ROMOLAND CA 92585***	***DELISTED HAZ***

Siteid:	5572
Latitude:	33.742900
Longitude:	-117.166630
Original Source:	CHAZ
Record Date:	04-JAN-2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	*1 of 1*	*W*	*0.32 / 1,711.60*	*1,431.48 / -9*	***North County Sand & Gravel*** ***26227 SHERMAN RD*** ***ROMOLAND CA 92585***	***DELISTED HAZ***

Siteid:	52529
Latitude:	33.740590
Longitude:	-117.181560
Original Source:	CHAZ
Record Date:	22-MAR-2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	*1 of 2*	*WNW*	*0.34 / 1,801.73*	*1,431.48 / -9*	***Chaney's Automotive*** ***27411 Ethanac Rd*** ***Romoland CA***	***LOP RIVERSIDE***

Site ID:	93620	***Closed Code:***	Y
Status Code:	9	***Closed Desc:***	CLOSED SITE
Status Desc:	CLOSED/ACTION COMPLETED	***Employee:***	Malloy
Case Type Code:	S		
Case Type Desc:	SOIL ONLY IS IMPACTED		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	*2 of 2*	*WNW*	*0.34 / 1,801.73*	*1,431.48 / -9*	***CHANEY'S AUTOMOTIVE*** ***27411 ETHANAC ROAD*** ***ROMOLAND CA 92580***	***LUST***

Global ID:	T0606500332	***County:***	RIVERSIDE
Status:	COMPLETED - CASE CLOSED	***Latitude:***	33.7424785024374
Status Date:	2000-09-29 00:00:00	***Longitude:***	-117.182165506781

Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites & Military UST Site from GeoTracker Project Search Results Export; LUST Cleanup Sites & Military UST Site from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083302297T
Local Case No: 93620
Begin Date: 9/30/1992
Lead Agency: RIVERSIDE COUNTY LOP
Local Agency: RIVERSIDE COUNTY LOP
CUF Case: NO
CalEnvScreen Score: 66-70%
EPA Region: 9
Qty Rlsd Gallons:
Potential COC: Waste Oil / Motor / Hydraulic / Lubricating
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: RIV
Military DoD Site: No
Leak Reported Dt: 1992-10-02 00:00:00
No Further Action Dt: 2000-09-29 00:00:00
Potential Media of Concern: Aquifer used for drinking water supply
How Discovered Description:
Calwater Watershed Name: San Jacinto Valley - Perris - Perris Valley (802.11)
DWR GW Subbasin Name: San Jacinto (8-005)
Disadvantaged Community:
Coordinate Source: Google Map Move
Discharge Cause: Unknown
Discharge Source: Other
File Location: Local Agency Warehouse
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 9/29/2000
Action: Closure/No Further Action Letter - #Riv Co Closure

Action Type: ENFORCEMENT
Date : 9/28/2000
Action: File review - #RCDEH Upload Site File 4/21/2010

Action Type: Other
Date : 10/2/1992
Action: Leak Reported

Action Type: Other
Date : 9/30/1992
Action: Leak Stopped

Action Type: Other
Date : 9/30/1992
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: Riverside County LOP
City: RIVERSIDE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
Email:
Phone No: 9519558980

Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
City: RIVERSIDE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
Email: valerie.jahn-bull@waterboards.ca.gov
Phone No: 9517824903

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed

Status Date: 9/29/2000

Status: Open - Site Assessment
Status Date: 7/9/1993

Status: Open - Case Begin Date
Status Date: 9/30/1992

Status: Open - Site Assessment
Status Date: 9/30/1992

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: CHANEY'S AUTOMOTIVE
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Facility Type:
Composting Method:
Address: 27411 ETHANAC ROAD
City: ROMOLAND
Zip: 92580
County: RIVERSIDE
CUF Claim:
File Location: LOCAL AGENCY WAREHOUSE
Designated Beneficial Use: MUN, AGR, 8 - Note: Also incl parts of 802.12 - Note: Also incl parts of 802.12, and 802.13.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0606500332
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/29/2000
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0606500332&tabname=regulatoryhistory
Potential Media of Concern: AQUIFER USED FOR DRINKING WATER SUPPLY
User Defined Beneficial Use:
DWR GW Sub Basin: San Jacinto (8-005)
Calwater Watershed Name: San Jacinto Valley - Perris - Perris Valley (802.11)
Post Closure Site Management: NOTIFY PRIOR TO CHANGE IN LAND USE
Future Land Use: UNKNOWN
Cleanup Oversight Agencies: RIVERSIDE COUNTY LOP (LEAD) - CASE #: 93620
CASEWORKER: Riverside County LOP
SANTA ANA RWQCB (REGION 8) - CASE #: 083302297T
CASEWORKER: VALERIE JAHN-BULL
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, 8 - Note: Also incl parts of 802.12 - Note: Also incl parts of 802.12, and 802.13.
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 9/29/2000

Status: Open - Site Assessment
Date : 7/9/1993

Status: Open - Site Assessment
Date : 9/30/1992

Status: Open - Case Begin Date
Date : 9/30/1992

Sites from GeoTracker Search - Regulatory Activities

Action Type: Other Regulatory Actions
Action Date: 9/29/2000
Received Issue Date: 9/29/2000

Action: Closure/No Further Action Letter - #Riv Co Closure
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606500332&enforcement_id=6006332&temptable=ENFORCEMENT
Title Description Comments:

Riv Co Site Closure

Action Type: Other Regulatory Actions
Action Date: 9/28/2000
Received Issue Date: 9/28/2000
Action: File review - #RCDEH Upload Site File 4/21/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606500332&enforcement_id=6048839&temptable=ENFORCEMENT
Title Description Comments:

RCDEH Upload Site File 4/21/2010

Action Type: Leak Action
Action Date: 9/30/1992
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 10/2/1992
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 9/30/1992
Received Issue Date:
Action: Leak Stopped
Doc Link:
Title Description Comments:

Sites from GeoTracker Search - Documents

Document Type: Site Documents
Document Date: 9/29/2000
Type: CLOSURE/NO FURTHER ACTION LETTER
Title: RIV CO SITE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606500332&enforcement_id=6006332
Size :
Submitted By: RIVERSIDE COUNTY LOP (REGULATOR)
Submitted:

Document Type: Site Documents
Document Date: 9/28/2000
Type: FILE REVIEW
Title: RCDEH UPLOAD SITE FILE 4/21/2010
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0606500332&enforcement_id=6048839
Size :
Submitted By: LINDA SHURLOW (REGULATOR)
Submitted:

22	1 of 1	NNW	0.40 / 2,118.46	1,440.47 / 0	Cal Trans 27644 Hwy 74 Romoland CA	LOP RIVERSIDE

Site ID: 89341
Status Code: 9
Status Desc: CLOSED/ACTION COMPLETED
Case Type Code: S
Case Type Desc: SOIL ONLY IS IMPACTED
Closed Code: Y
Closed Desc: CLOSED SITE
Employee: Brown

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	1 of 1	NW	0.60 / 3,180.87	1,430.45 / -10	ROMALAND SUN CITY CA 92585	MINE

Mine ID:	91-33-0087	**Las Code:**	
Mine Status:	CLOSED - NEVER OPERATED	**Rp No:**	
Primary Product:	SAND AND GRAVEL	**Report Type:**	
Other Products:		**Owner City:**	
Report Year:	2002	**Owner Country:**	
Acres Disturbed:		**Owner State:**	
Reclamation Status:	RECLAMATION NOT STARTED	**Owner Street:**	
Permit Acres:	13	**Owner Zip:**	
Finan Assur Mech:		**Operator City:**	
Fin Assur Cost Est:		**Operator Country:**	
Primary Product 1:		**Operator State:**	
Primary Prod Label:		**Operator Street:**	
Facility City:	SUN CITY	**Operator Zip:**	
Facility State:	CA	**Shape:**	
Facility Zip:	92585	**X:**	-13044788.96
Facility County:	RIVERSIDE	**Y:**	3995059.149

Facility Address: RIVERSIDE COUNTY
Owner: GERMANN
Permit No: 190
Operation Type: OPEN PIT
Operator: ASPHALT & CONCRETE RECYCLING, INC.
Lead Agency: County of Riverside

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	1 of 2	S	0.84 / 4,446.89	1,469.49 / 29	PROPOSED ELEMENTARY SCHOOL NO. 15 ROUSE ROAD/SHERMAN ROAD MENIFEE CA 92585	SCH

Estor/EPA ID:	60001068	**Permit Renewal Lead:**	
Site Code:	404827	**Project Manager:**	
Nat Priority List:	NO	**Supervisor:**	SHAHIR HADDAD
Acres:	12 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6065042728
Funding:	SCHOOL DISTRICT	**County:**	RIVERSIDE
Assembly District:	67	**Latitude:**	33.7253
Senate District:	23	**Longitude:**	-117.1755

School District: MENIFEE UNION SCHOOL DISTRICT
APN: NONE SPECIFIED
Cleanup Status: NO ACTION REQUIRED AS OF 5/11/2009
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Past Use that Caused Contam: NONE
Potential Media Affected: UNDER INVESTIGATION
Potential Contamin of Concern:

UNDER INVESTIGATION

SITE HISTORY:

The Proposed School Site is vacant land that has never been developed, but historically was used for agricultural purposes, i.e., dry land grain (wheat, barley and safflower) farming.

Status: NO ACTION REQUIRED
Program Type: SCHOOL INVESTIGATION
CalEnviroScreen Score: 61-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001068

Completed Activities

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: Phase 1 Environmental Site Assessment
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001068&doc_id=6022763
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 5/7/2009
Comments: Approval of Phase I ESA w/ NA determination.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	2 of 2	S	0.84 / 4,446.89	1,469.49 / 29	PROPOSED ELEMENTARY SCHOOL NO. 15 ROUSE ROAD/SHERMAN ROAD MENIFEE CA 92585	ENVIROSTOR

Estor/EPA ID: 60001068
Site Code: 404827
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6065042728
Site Type: SCHOOL
Address Description: ROUSE ROAD/SHERMAN ROAD
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 67
Senate District: 23
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: RIVERSIDE
Latitude: 33.7253
Longitude: -117.1755
Acres: 12 ACRES
Supervisor: SHAHIR HADDAD
Cleanup Status: NO ACTION REQUIRED AS OF 5/11/2009
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District: MENIFEE UNION SCHOOL DISTRICT
Past Use that Caused Contam: NONE
Potential Media Affected: UNDER INVESTIGATION
Potential Contamin of Concern:

UNDER INVESTIGATION

Site History:

The Proposed School Site is vacant land that has never been developed, but historically was used for agricultural purposes, i.e., dry land grain (wheat, barley and safflower) farming.

Status: NO ACTION REQUIRED
Program Type: SCHOOL INVESTIGATION
CalEnviroScreen Score: 61-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001068

Completed Activities

Title: Phase 1 Environmental Site Assessment
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001068&doc_id=6022763
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 5/7/2009
Comments: Approval of Phase I ESA w/ NA determination.

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID

No unplottable records were found that may be relevant for the search criteria.

Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Mar 30, 2022

National Priority List - Proposed: PROPOSED NPL

Sites proposed - by the EPA, the state agency, or concerned citizens - for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Mar 30, 2022

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Mar 30, 2022

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Apr 27, 2022

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Apr 27, 2022

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Apr 11, 2022

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Apr 11, 2022

RCRA Generator List: RCRA LQG

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Apr 11, 2022

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Apr 11, 2022

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Apr 11, 2022

RCRA Non-Generators: RCRA NON GEN

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Apr 11, 2022

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Apr 11, 2022

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Dec 30, 2021

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Dec 30, 2021

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Mar 30, 2022

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Dec 31, 2021

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 20, 2021

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 31, 2021

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 31, 2021

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Feb 4, 2022

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Feb 4, 2022

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Apr 27, 2022

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: May 3, 2022

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Jan 6, 2022

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Jan 6, 2022

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Jan 6, 2022

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Feb 2, 2022

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Waste Management Unit Database: WMUD

The Waste Management Unit Database System tracks and inventories waste management units. CCR Title 27 contains criteria stating that Waste Management Units are classified according to their ability to contain wastes. Containment shall be determined by geology, hydrology, topography, climatology, and other factors relating to the ability of the Unit to protect water quality. Water Code Section 13273.1 requires that operators submit a water quality solid waste assessment test (SWAT) report to address leak status. The WMUDS was last updated by the State Water Resources control board in 2000.

Government Publication Date: Jan 1, 2000

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Jan 6, 2022

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Construction and Demolition Debris Recyclers: C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

Government Publication Date: Jun 20, 2018

Recycling Centers: RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Apr 12, 2022

Listing of Certified Processors: PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Apr 12, 2022

Listing of Certified Dropoff, Collection, and Community Service Programs: CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Apr 12, 2022

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Feb 15, 2022

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Feb 15, 2022

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Feb 15, 2022

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Apr 25, 2022

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: May 5, 2021

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Statewide Environmental Evaluation and Planning System: UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

Government Publication Date: Oct 1, 1994

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Apr 4, 2022

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: May 2, 2022

California Environmental Reporting System (CERS) Tanks: CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Apr 5, 2022

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Apr 5, 2022

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (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 land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Jan 6, 2022

CALSITES Database: CALSITES

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

Government Publication Date: May 1, 2004

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (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.

Government Publication Date: Feb 18, 2021

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Feb 15, 2022

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Jan 6, 2022

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Feb 15, 2022

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: May 19, 2022

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Oct 12, 2021

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Oct 12, 2021

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Oct 12, 2021

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Oct 13, 2021

County

Riverside County - Local Oversight Program List: LOP RIVERSIDE

A list of Leaking Underground Storage Tank (LUST) facilities in Riverside County. This list is made available by Riverside County Department of Environmental Health. Environmental Cleanup Program provides oversight of assessments and cleanups at properties that have been, or may have been, contaminated with hazardous substances from LUSTs or releases associated with other commercial/industrial use.

Government Publication Date: Jan 18, 2022

Riverside County - Underground Storage Tanks List: UST RIVERSIDE

A list of registered Underground Storage Tank (UST) sites in Riverside County. This list is made available by Riverside County Department of Environmental Health. The Hazardous Materials Management Branch (HMMB) regulates and oversees the inspections of constructions, repairs, upgrades, system operation and removal of UST systems.

Government Publication Date: Jan 18, 2022

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Aug 24, 2021

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Aug 24, 2021

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Jan 11, 2022

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations https://pfasproject.com/pfas-contamination-site-tr acker/

Government Publication Date: Dec 12, 2019

National Response Center PFAS Spills: ERNS PFAS

National Response Center (NRC) calls from 1990 to the most recent complete calendar year where there is indication of Aqueous Film Forming Foam (AFFF) usage. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Data made available by the US Environmental Protection Agency (EPA). Disclaimer: dataset may include initial or misidentified incident data not yet validated or investigated by a federal/state response agency.

Government Publication Date: Feb 23, 2022

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data 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.

Government Publication Date: Nov 22, 2021

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Mar 30, 2022

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Jan 15, 2022

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2021

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 5, 2021

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: May 26, 2021

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 2, 2021

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (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 Abandoned Mine Land (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.

Government Publication Date: Dec 18, 2020

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

Uranium Mill Tailings Radiation Control Act Sites: URANIUM

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Government Publication Date: Mar 4, 2017

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: May 16, 2022

Superfunds Consent Decrees: CONSENT DECREES

A list of Superfund consent decrees made available by the Department of Justice, Environment & Natural Resources Division (ENRD).

Government Publication Date: Sep 30, 2018

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 30, 2022

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Jan 20, 2022

State

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Dec 20, 2021

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Feb 28, 2020

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2020

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

List of sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Feb 15, 2022

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Apr 27, 2022

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: May 20, 2021

Toxic Pit Cleanup Act Sites: TOXIC PITS

The Toxic Pits Cleanup Act (TPCA) list identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. This list was maintained by the State Water Resources Control Board (SWRCB), is not longer maintained, and updates are not planned.

Government Publication Date: Jul 1, 1995

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Apr 29, 2021

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Jan 6, 2022

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Feb 8, 2022

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Hazardous Waste Manifest Data: HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

DTSC Registered Hazardous Waste Transporters: HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Oct 19, 2020

Registered Waste Tire Haulers: WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Apr 12, 2022

California Medical Waste Management Program Facility List: MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Dec 31, 2020

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Dec 6, 2021

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Apr 5, 2022

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Feb 15, 2022

Mines Listing: MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Dec 17, 2021

Recorded Environmental Cleanup Liens: LIEN

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

Government Publication Date: May 4, 2022

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Feb 15, 2022

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2019

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jan 19, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

Riverside County - Hazardous Waste Generator Sites List: HWG RIVERSIDE

A list of Hazardous Waste Generator Sites in the County of Riverside. This list is made available by Riverside County Department of Environmental Health which has been designated as the CUPA for the County.

Government Publication Date: Jan 18, 2022

Riverside County - Disclosure Facility List: HZH RIVERSIDE

A list of facilities disclosed to Riverside County Department of Environmental Health (DEH). This list is made available by Riverside County DEH which has been designated as the CUPA for the County. A business is required to establish and submit a Business Plan if the facility handles hazardous material equal to or greater than 55 gallons, 500 pounds or 200 cubic feet at any time during the year.

Government Publication Date: Jan 18, 2022

Riverside County - Medical Waste Facilities: MED WST RIVERSIDE

This list of active and inactive medical waste facilities is maintained by the County of Riverside Department of Environmental Health.

Government Publication Date: Feb 9, 2022

Riverside County - California Accidental Release Prevention Program Sites: RMP RIVERSIDE

This list of Riverside County California Accidental Release Prevention Program sites is maintained by the County of Riverside Department of Environmental Health. AB 3777 was enacted in 1986 to minimize potential emergencies involving acutely hazardous materials by requiring facilities which handle these materials to submit Risk Management Prevention Plans. The Riverside County Department of Environmental Health Hazardous Materials Branch began implementation of this Program County-wide in January 1991. All cities within Riverside County are included in this list.

Government Publication Date: Jan 18, 2022

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:	22052300713p
Date Completed:	May 24, 2022
Project Number:	21-308686.7
Project Property:	Menifee Assemblage n/a MENIFEE CA 92585
Coordinates:	
Latitude:	
Longitude:	
UTM Northing:	3733331.95514 Meters
UTM Easting:	483882.677051 Meters
UTM Zone:	UTM Zone 11S
Elevation:	1,440.48 ft
Slope Direction:	N/A

Topographic Information....2
Hydrologic Information....10
Geologic Information....13
Soil Information....15
Wells and Additional Sources....32
Summary....36
Detail Report....39
Radon Information....85
Appendix....86
Liability Notice....88

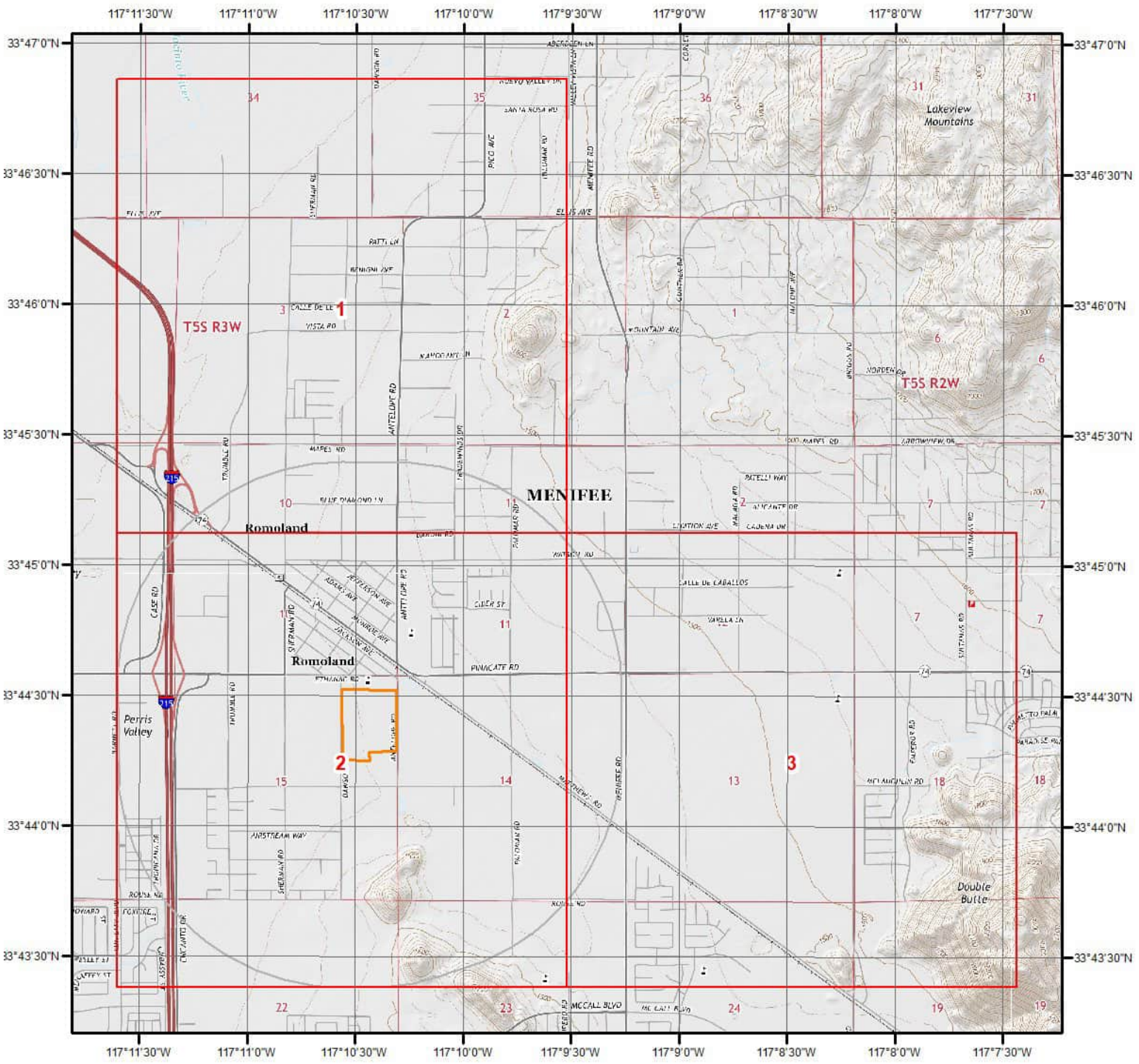
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2015)

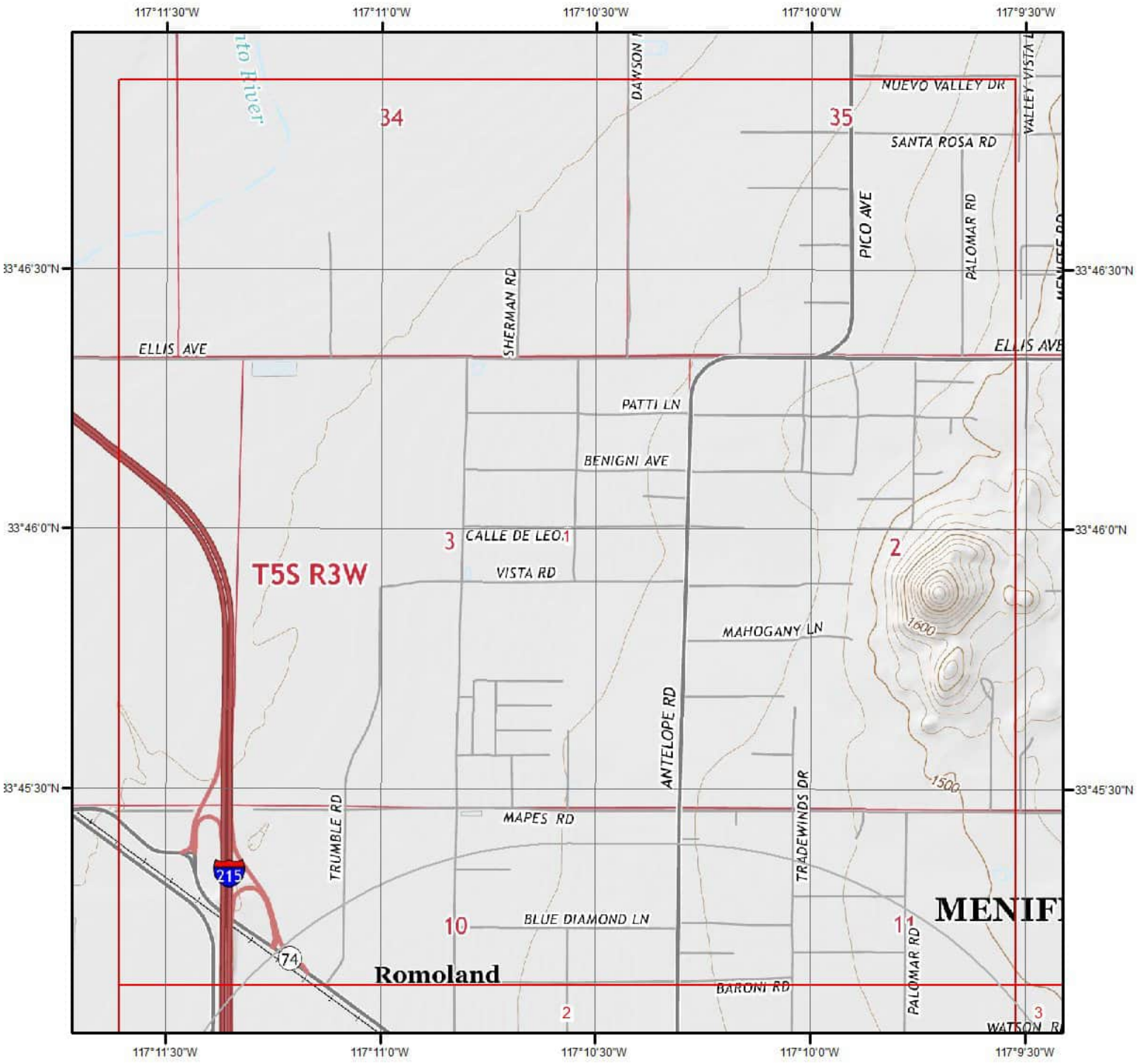
0 0.2 0.4 0.8 1.2 1.6 Miles

N

Quadrangle(s): Lake Elsinore,CA; Lakeview,CA; Perris,CA; Romoland,CA; Steele Peak,CA; Winchester,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 1

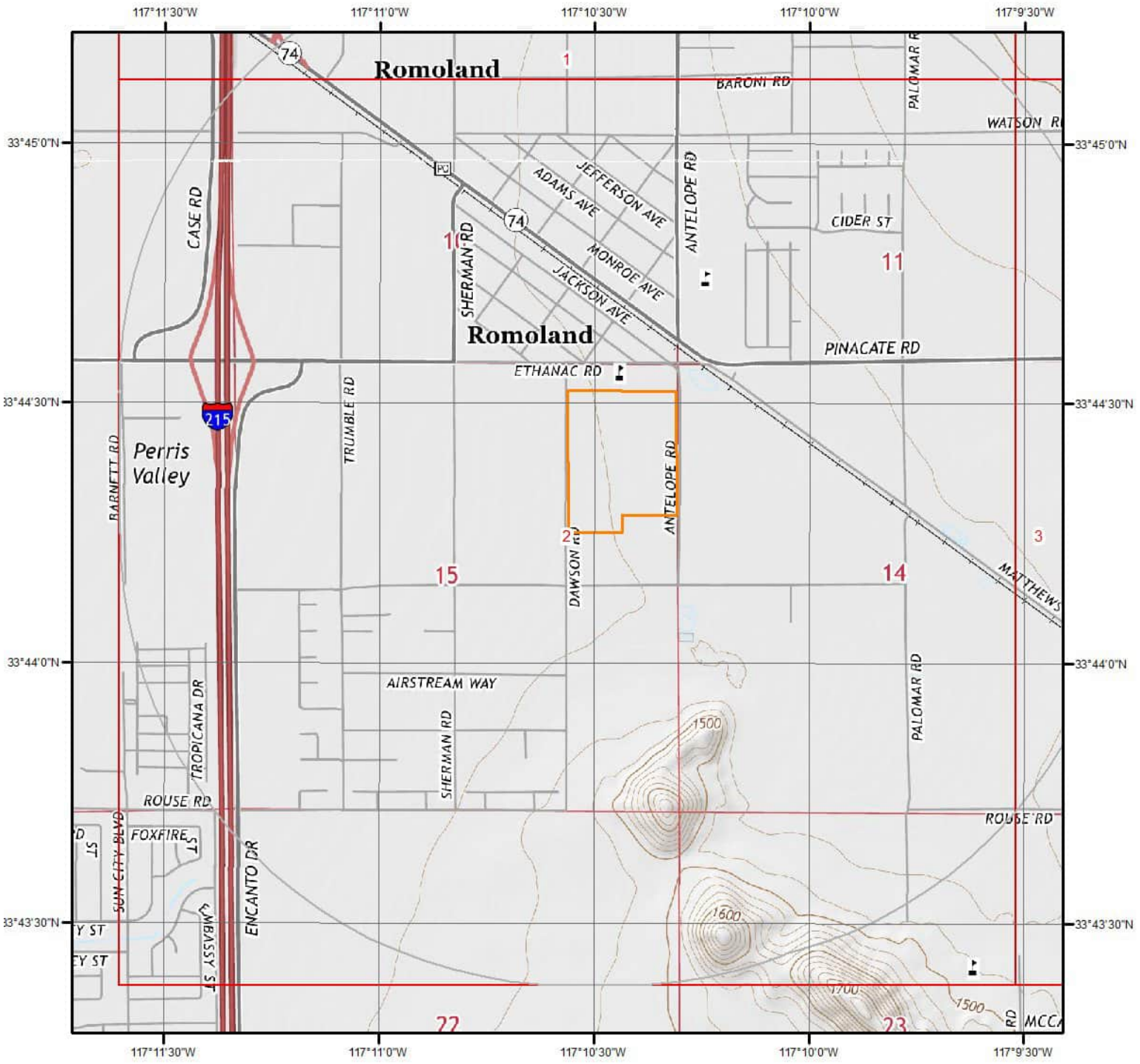
0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Perris,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 2

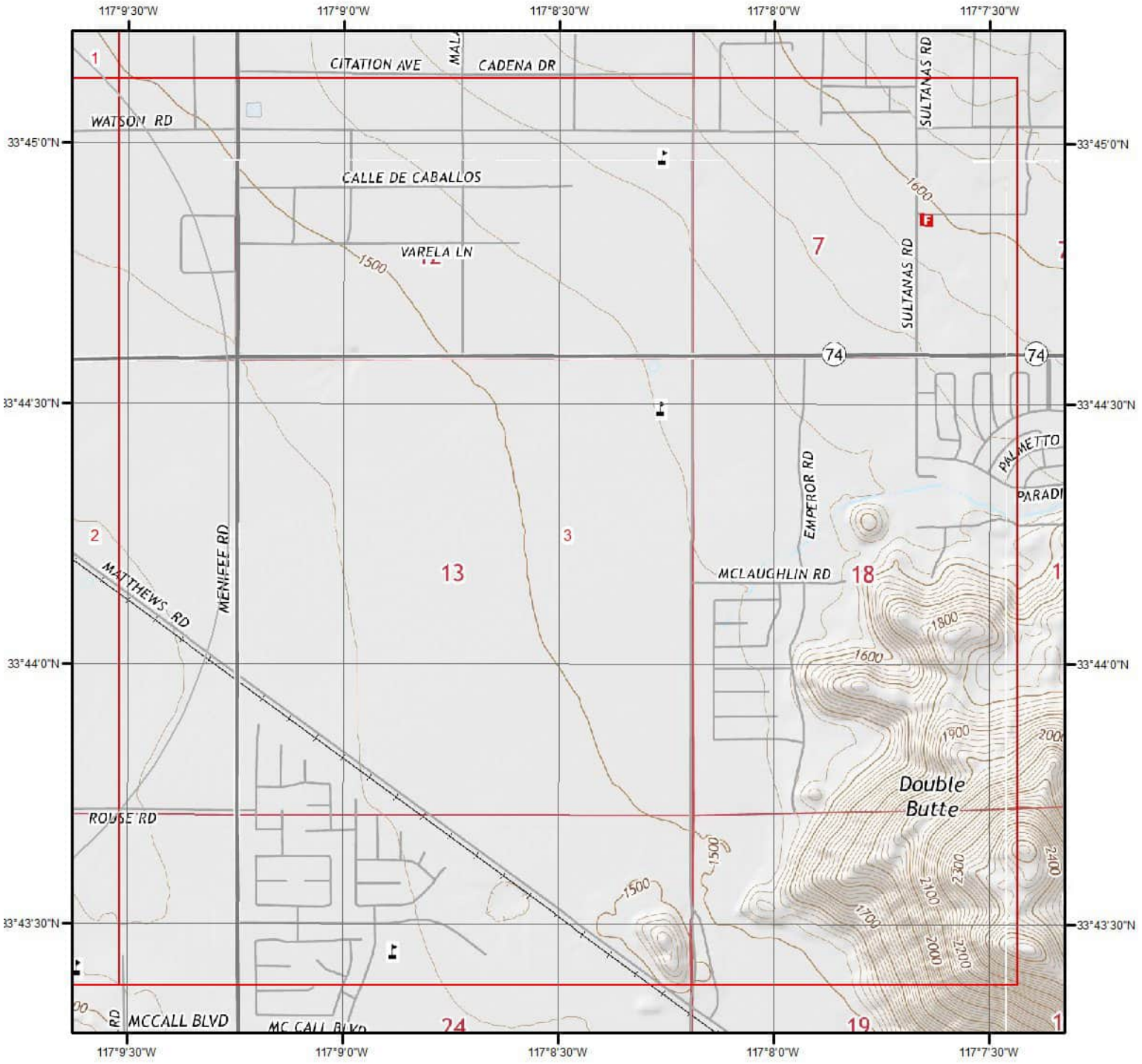
0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Perris,CA; Romoland,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 3

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Lakeview,CA; Perris,CA; Romoland,CA; Winchester,CA

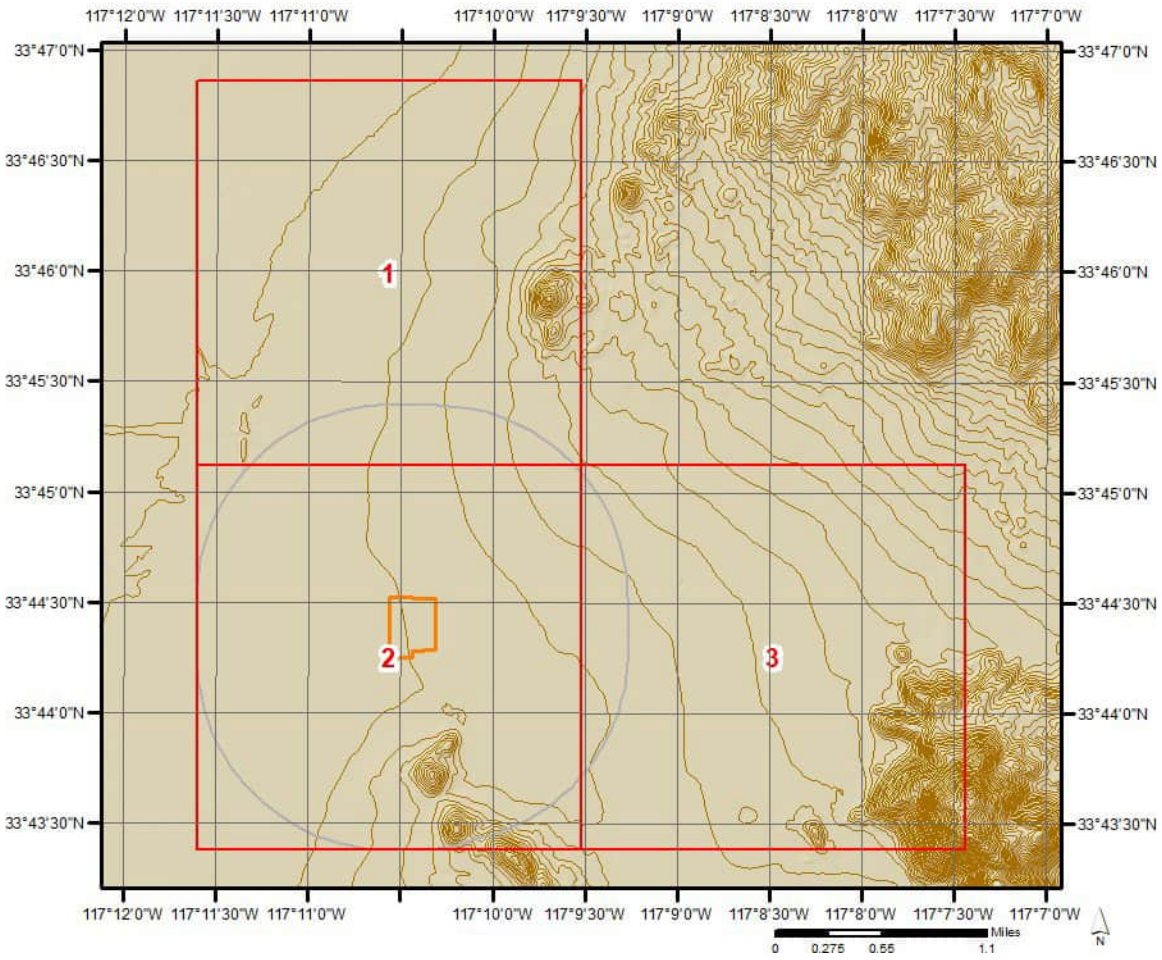
Source: USGS 7.5 Minute Topographic Map

Topographic Information

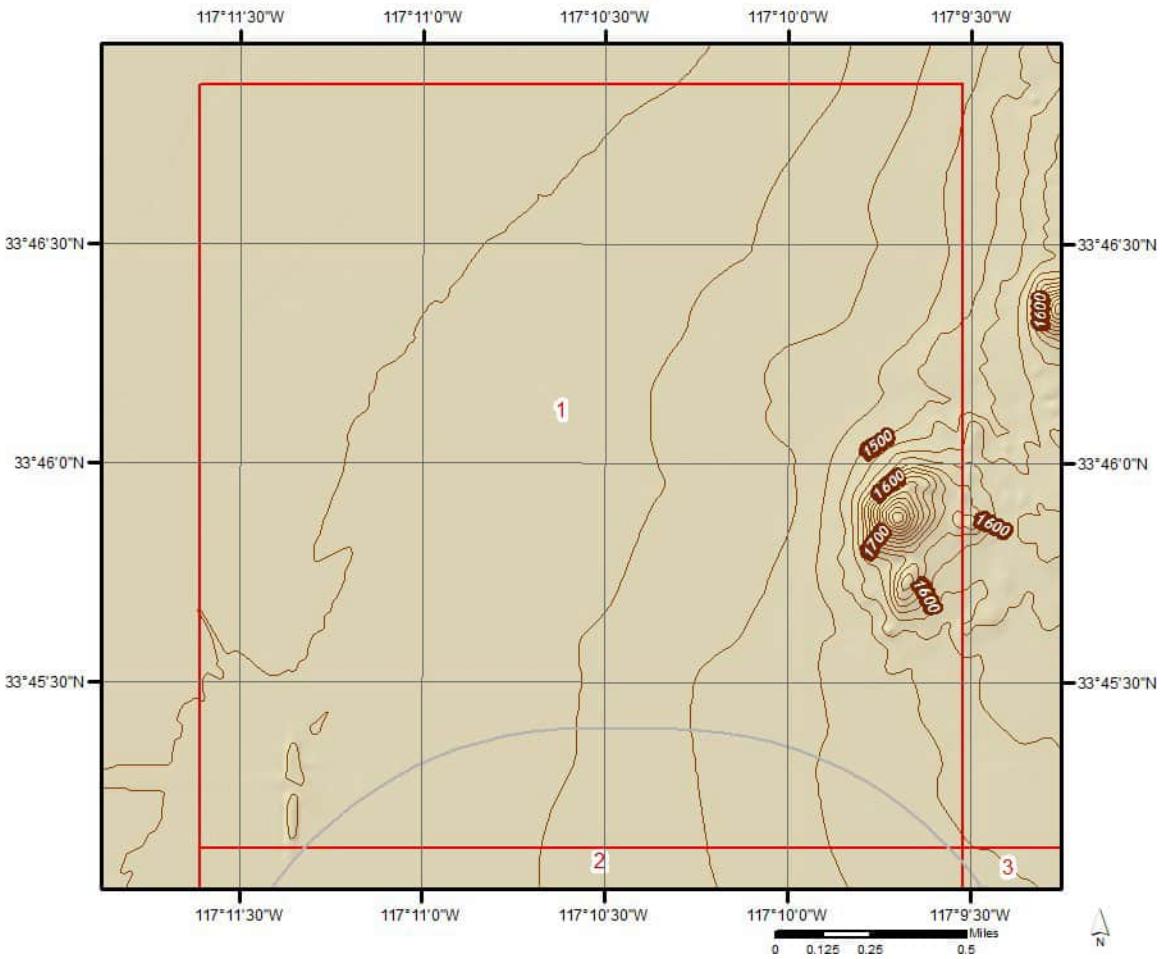
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

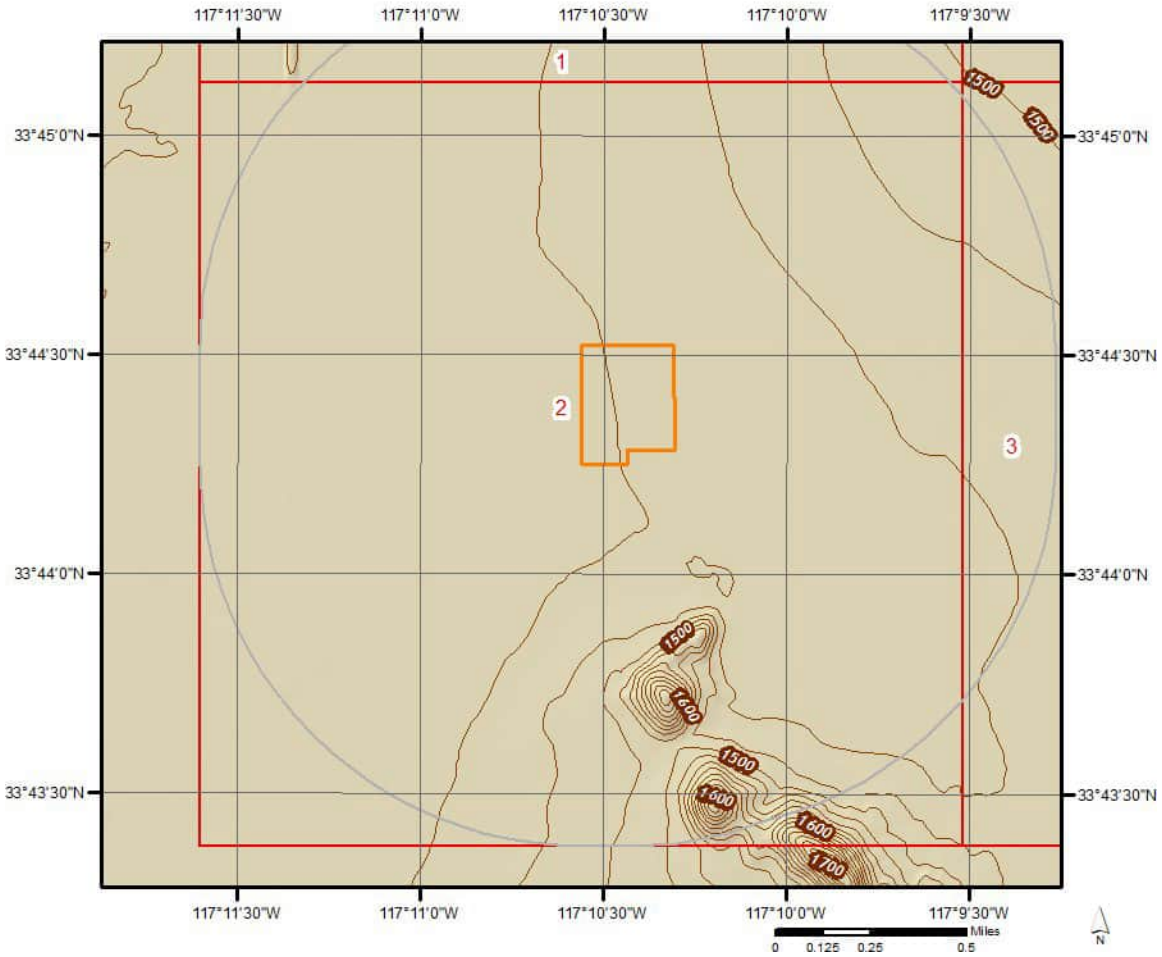
Elevation:	1,440.48 ft
Slope Direction:	N/A



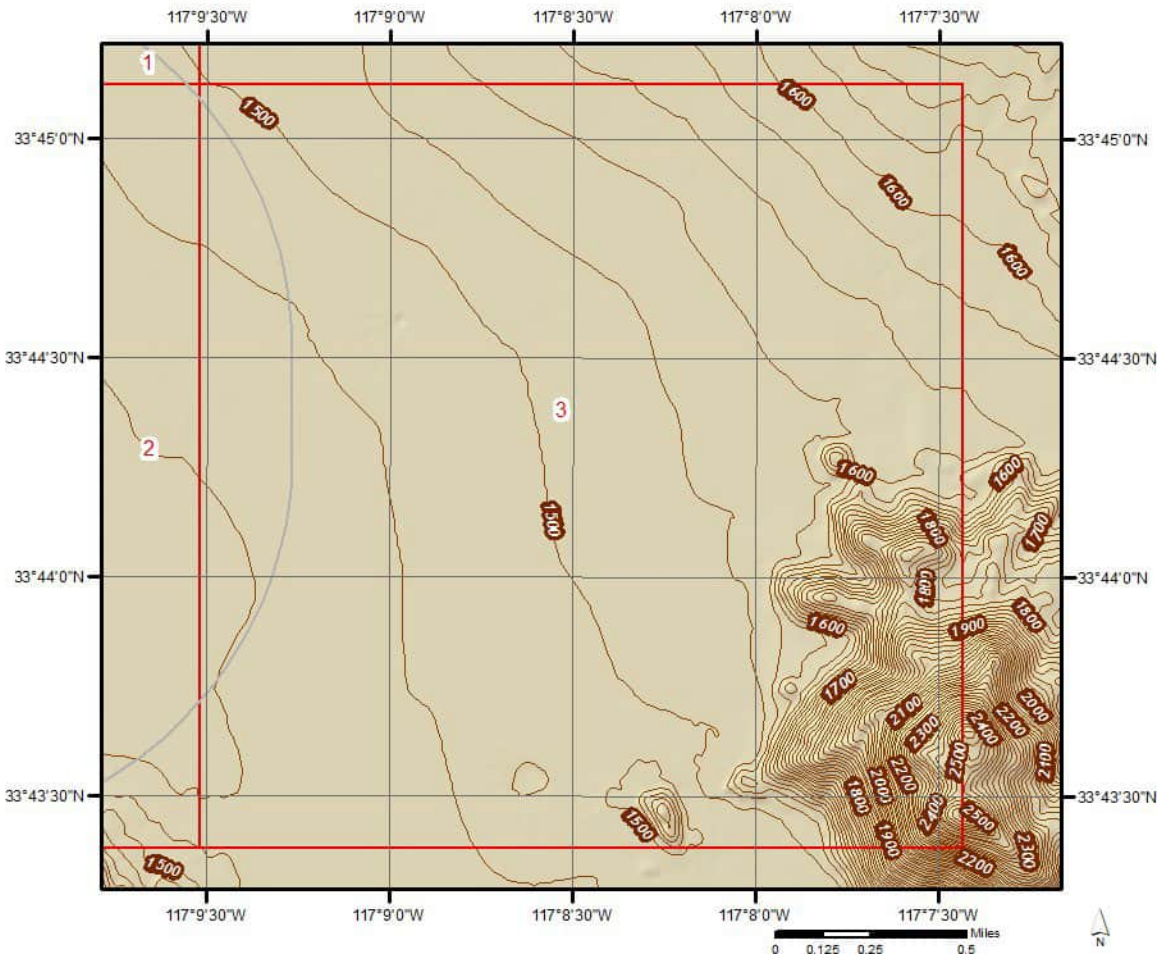
Topographic Information



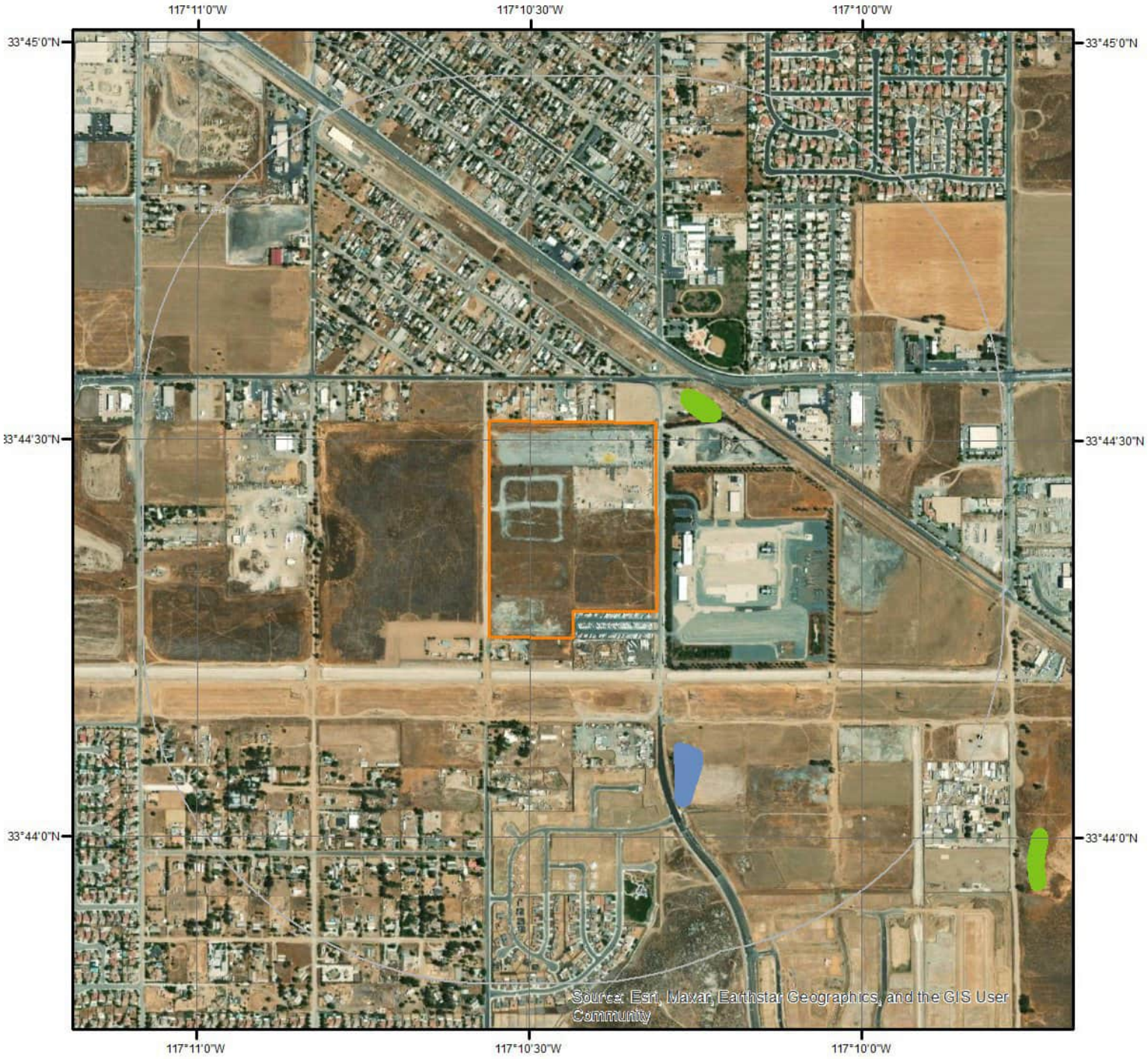
Topographic Information



Topographic Information



Hydrologic Information



Wetland

0 0.075 0.15 0.3 Miles

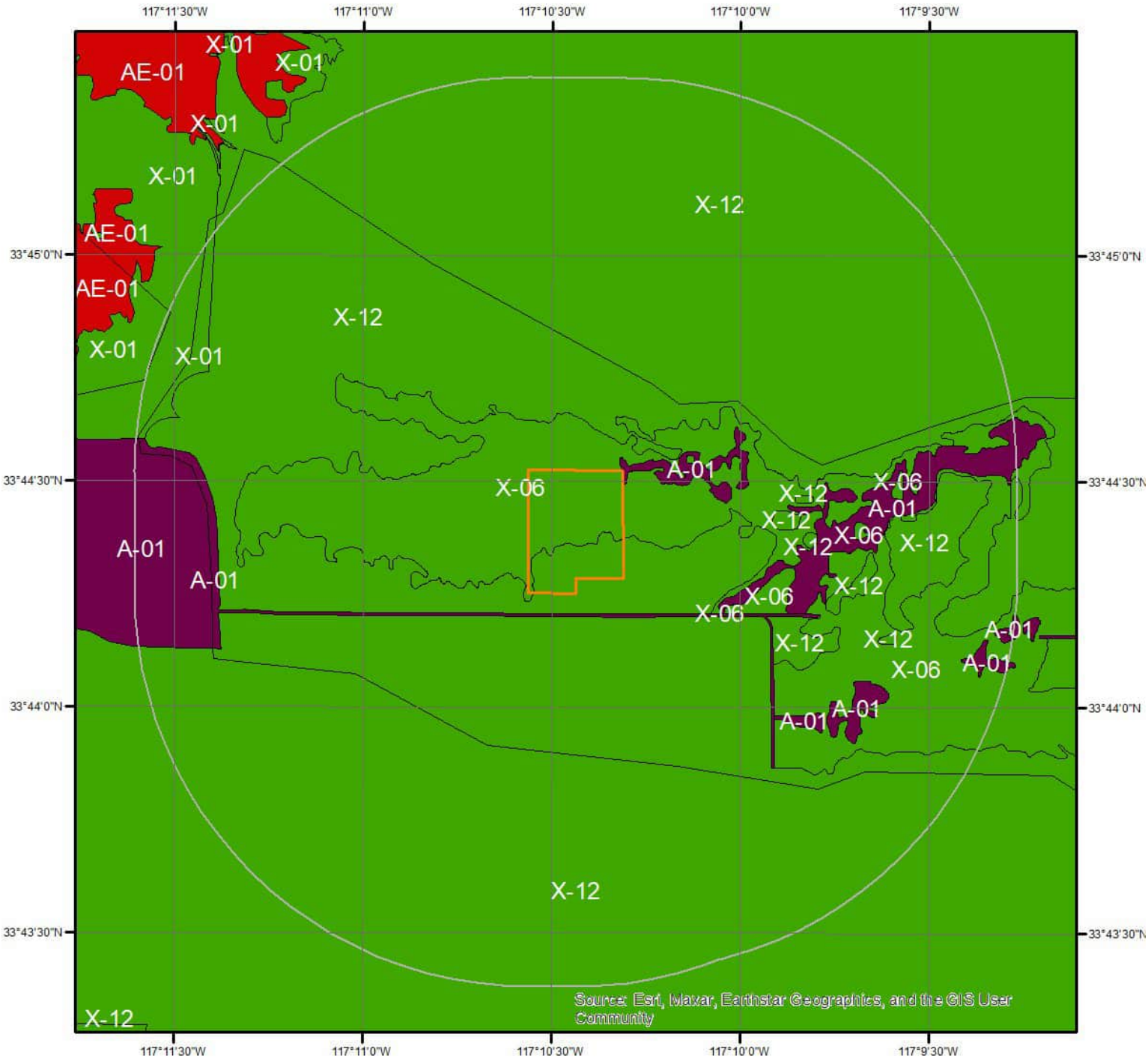
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

Hydrologic Information

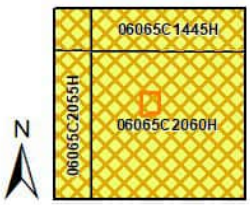


Flood Hazard Zones

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED



Quadrangle(s): Lake Elsinore,CA; Lakeview,CA; Perris,CA; Romoland,CA; Steele Peak,CA;

ERIS

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	06065C1440H(effective:2014-08-18) 06065C1445H(effective:2014-08-18) 06065C2055H(effective:2014-08-18) 06065C2060H(effective:2014-08-18)

Flood Zone A-01

Zone:	A
Zone subtype:	

Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

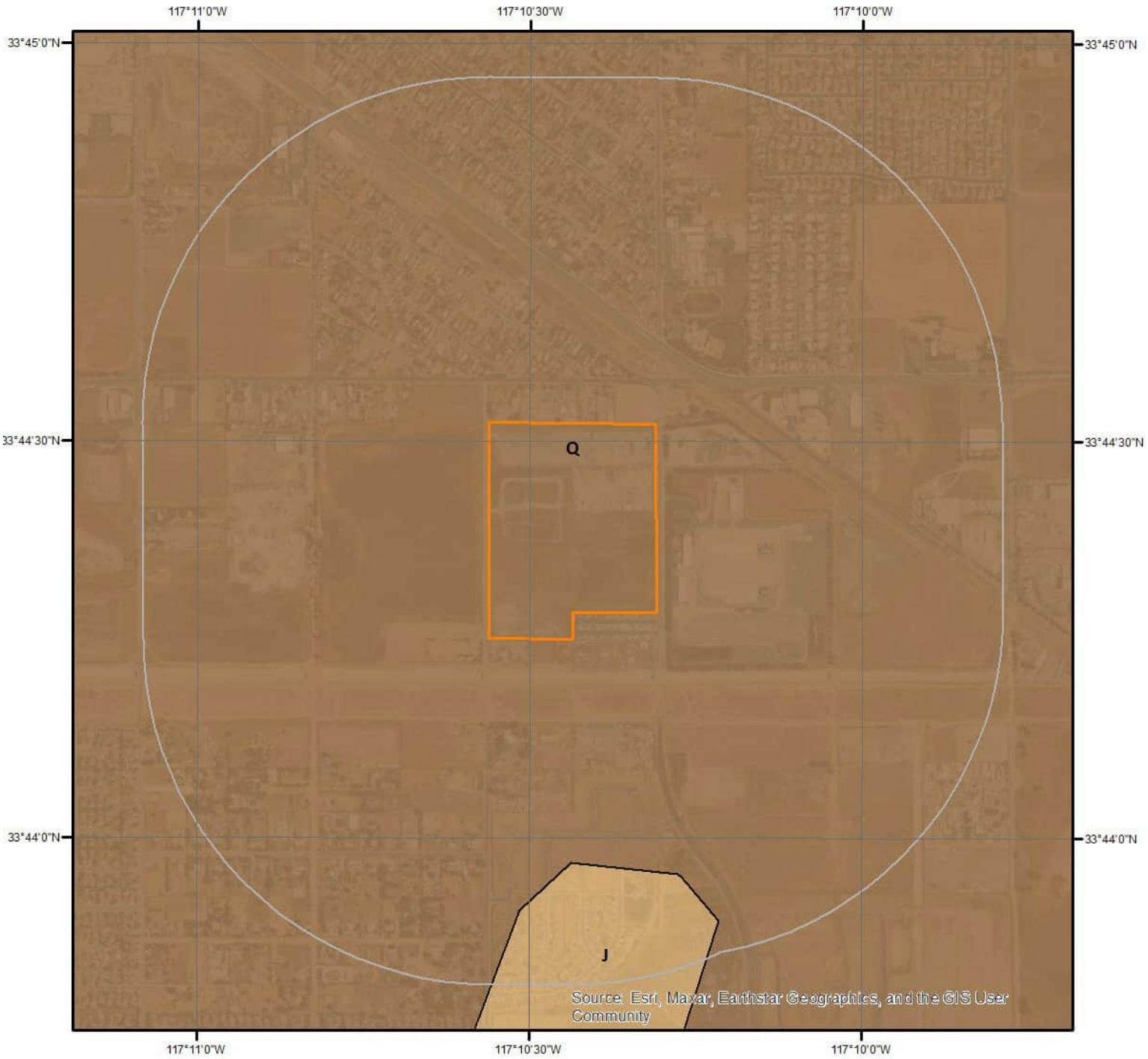
Flood Zone X-06

Zone:	X
Zone subtype:	1 PCT DEPTH LESS THAN 1 FOOT

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



0 0.275 0.55 Miles

N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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0 0.35 0.7 Miles

Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

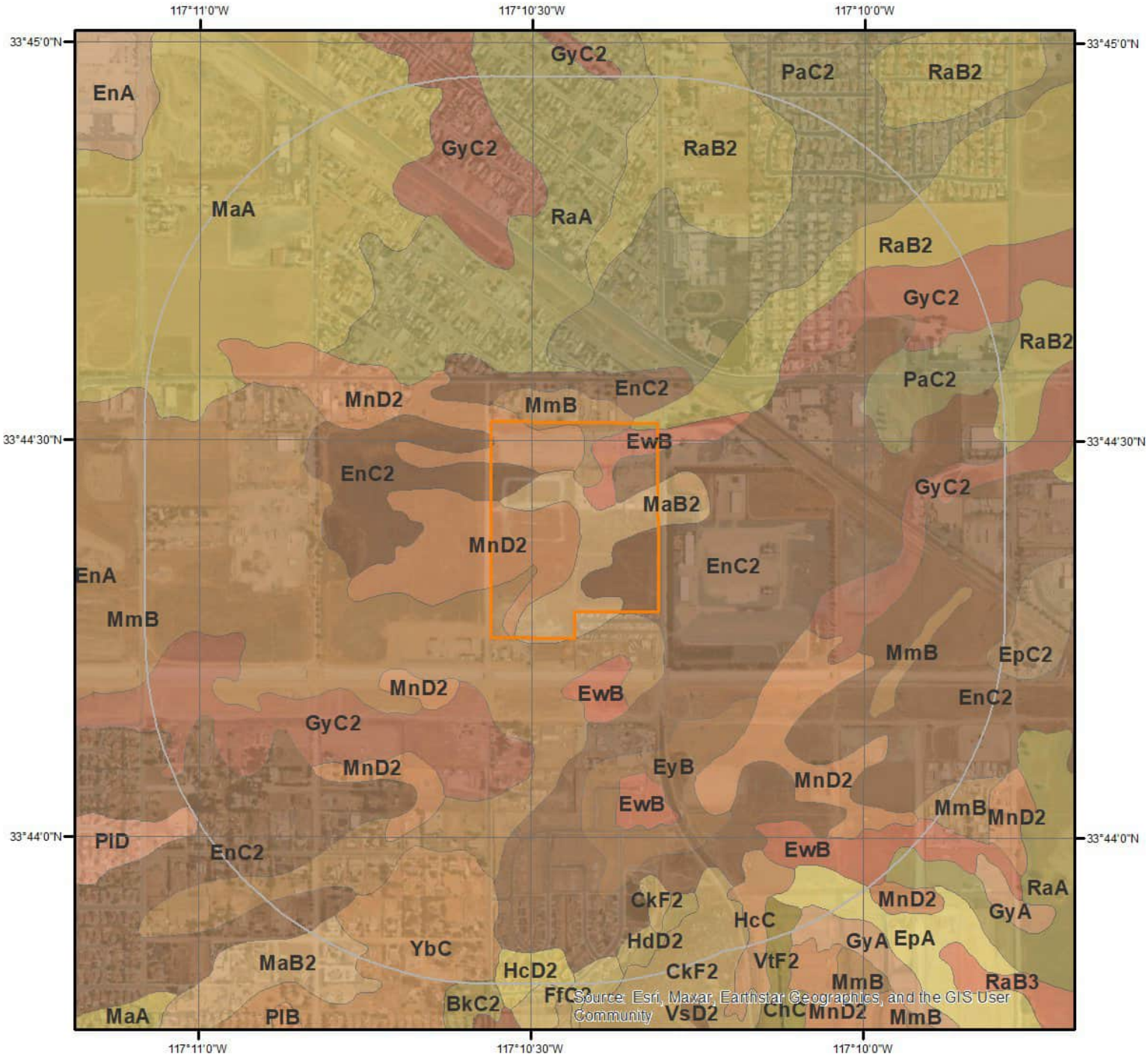
Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pliocene to Holocene
Primary Rock Type:	alluvium
Secondary Rock Type:	terrace
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

Geologic Unit J

Unit Name:	Jurassic marine rocks, unit 4 (Peninsular Ranges and Western Transverse Ranges)
Unit Age:	Paleozoic(?) to Late Jurassic
Primary Rock Type:	argillite
Secondary Rock Type:	graywacke
Unit Description:	Shale, sandstone, minor conglomerate, chert, slate, limestone; minor pyroclastic rocks

Soil Information



SSURGO Soils

0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

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Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit BkC2 (0.16%)

Map Unit Name:	Buchenau silt loam, 2 to 8 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
Major components are printed below	
Buchenau(85%)	
horizon H1(0cm to 18cm)	Silt loam
horizon H2(18cm to 114cm)	Loam
horizon H3(114cm to 155cm)	Cemented

Component Description:

Minor map unit components are excluded from this report.

Map Unit: BkC2 - Buchenau silt loam, 2 to 8 percent slopes, eroded

Component: Buchenau (85%)
The Buchenau component makes up 85 percent of the map unit. Slopes are 2 to 8 percent. This component is on alluvial fans. The parent material consists of alluvium derived from mixed sources. Depth to a root restrictive layer, duripan, is 40 to 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Arlington (5%)
Generated brief soil descriptions are created for major soil components. The Arlington soil is a minor component.

Component: Buren (5%)
Generated brief soil descriptions are created for major soil components. The Buren soil is a minor component.

Component: Greenfield (3%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Porterville (2%)
Generated brief soil descriptions are created for major soil components. The Porterville soil is a minor component.

Map Unit CkF2 (1.34%)

Map Unit Name:	Cieneba rocky sandy loam, 15 to 50 percent slopes, erod ed
Bedrock Depth - Min:	36cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.
Major components are printed below	
Cieneba(75%)	
horizon H1(0cm to 36cm)	Sandy loam

horizon H2(36cm to 56cm)	Weathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CkF2 - Cieneba rocky sandy loam, 15 to 50 percent slopes, eroded

Component: Cieneba (75%)
The Cieneba component makes up 75 percent of the map unit. Slopes are 15 to 50 percent. This component is on uplands, hills. The parent material consists of residuum weathered from igneous rock. Depth to a root restrictive layer, bedrock, paralithic, is 14 to 22 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD060CA Shallow Loamy (1975) ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Rock outcrop (10%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Unnamed (3%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Friant (3%)
Generated brief soil descriptions are created for major soil components. The Friant soil is a minor component.

Component: Escondido (3%)
Generated brief soil descriptions are created for major soil components. The Escondido soil is a minor component.

Component: Vista (3%)
Generated brief soil descriptions are created for major soil components. The Vista soil is a minor component.

Component: Fallbrook (3%)
Generated brief soil descriptions are created for major soil components. The Fallbrook soil is a minor component.

Map Unit EnC2 (15.95%)

Map Unit Name:	Exeter sandy loam, 2 to 8 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Exeter(85%)

horizon H1(0cm to 41cm)	Sandy loam
horizon H2(41cm to 94cm)	Sandy clay loam
horizon H3(94cm to 127cm)	Indurated
horizon H4(127cm to 152cm)	Stratified sandy loam to silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: EnC2 - Exeter sandy loam, 2 to 8 percent slopes, eroded

Component: Exeter (85%)
The Exeter component makes up 85 percent of the map unit. Slopes are 2 to 8 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, duripan, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within

a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent.

Component: Ramona (5%)
Generated brief soil descriptions are created for major soil components. The Ramona soil is a minor component.

Component: Monserate (5%)
Generated brief soil descriptions are created for major soil components. The Monserate soil is a minor component.

Component: Greenfield (5%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Map Unit EpA (1.42%)

Map Unit Name:	Exeter sandy loam, deep, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Exeter(85%)

horizon H1(0cm to 41cm)	Sandy loam
horizon H2(41cm to 94cm)	Sandy clay loam
horizon H3(94cm to 127cm)	Indurated
horizon H4(127cm to 152cm)	Stratified sandy loam to silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: EpA - Exeter sandy loam, deep, 0 to 2 percent slopes

Component: Exeter (85%)
The Exeter component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, duripan, is 35 to 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 2s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent.

Component: Monserate (5%)
Generated brief soil descriptions are created for major soil components. The Monserate soil is a minor component.

Component: Greenfield (5%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Ramona (5%)
Generated brief soil descriptions are created for major soil components. The Ramona soil is a minor component.

Map Unit EpC2 (0.83%)

Map Unit Name:	Exeter sandy loam, deep, 2 to 8 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained

Soil Information

Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Exeter(85%)

horizon H1(0cm to 41cm)	Sandy loam
horizon H2(41cm to 94cm)	Sandy clay loam
horizon H3(94cm to 127cm)	Indurated
horizon H4(127cm to 152cm)	Stratified sandy loam to silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: EpC2 - Exeter sandy loam, deep, 2 to 8 percent slopes, eroded

Component: Exeter (85%)
The Exeter component makes up 85 percent of the map unit. Slopes are 2 to 8 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, duripan, is 35 to 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent.

Component: Monserate (5%)
Generated brief soil descriptions are created for major soil components. The Monserate soil is a minor component.

Component: Ramona (5%)
Generated brief soil descriptions are created for major soil components. The Ramona soil is a minor component.

Component: Greenfield (5%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Map Unit EwB (0.88%)

Map Unit Name:	Exeter very fine sandy loam, 0 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Exeter(85%)

horizon H1(0cm to 41cm)	Very fine sandy loam
horizon H2(41cm to 94cm)	Sandy clay loam
horizon H3(94cm to 127cm)	Indurated
horizon H4(127cm to 152cm)	Stratified sandy loam to silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: EwB - Exeter very fine sandy loam, 0 to 5 percent slopes

Component: Exeter (85%)
The Exeter component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, duripan, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA

Soil Information

Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent.

Component: Monserate (5%)
Generated brief soil descriptions are created for major soil components. The Monserate soil is a minor component.

Component: Ramona (5%)
Generated brief soil descriptions are created for major soil components. The Ramona soil is a minor component.

Component: Greenfield (5%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Map Unit EyB (0.64%)

Map Unit Name:	Exeter very fine sandy loam, deep, 0 to 5 percent slope s
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Exeter(85%)

horizon H1(0cm to 41cm)	Fine sandy loam
horizon H2(41cm to 94cm)	Sandy clay loam
horizon H3(94cm to 127cm)	Indurated
horizon H4(127cm to 152cm)	Stratified sandy loam to silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: EyB - Exeter very fine sandy loam, deep, 0 to 5 percent slopes

Component: Exeter (85%)
The Exeter component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, duripan, is 35 to 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent.

Component: Monserate (5%)
Generated brief soil descriptions are created for major soil components. The Monserate soil is a minor component.

Component: Greenfield (5%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Ramona (5%)
Generated brief soil descriptions are created for major soil components. The Ramona soil is a minor component.

Map Unit FfC2 (0.24%)

Map Unit Name:	Fallbrook fine sandy loam, 2 to 8 percent slopes, erode d
Bedrock Depth - Min:	61cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Soil Information

Major components are printed below

Fallbrook(85%)

horizon H1(0cm to 36cm)	Fine sandy loam
horizon H2(36cm to 61cm)	Sandy clay loam
horizon H3(61cm to 71cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: FfC2 - Fallbrook fine sandy loam, 2 to 8 percent slopes, eroded

Component: Fallbrook (85%)
The Fallbrook component makes up 85 percent of the map unit. Slopes are 5 to 8 percent. This component is on uplands, hills. The parent material consists of residuum weathered from granodiorite and/or residuum weathered from tonalite. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Vista (5%)
Generated brief soil descriptions are created for major soil components. The Vista soil is a minor component.

Component: Bonsall (5%)
Generated brief soil descriptions are created for major soil components. The Bonsall soil is a minor component.

Component: Cieneba (5%)
Generated brief soil descriptions are created for major soil components. The Cieneba soil is a minor component.

Map Unit GyA (0.25%)

Map Unit Name:	Greenfield sandy loam, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Greenfield(85%)

horizon H1(0cm to 66cm)	Sandy loam
horizon H2(66cm to 109cm)	Fine sandy loam
horizon H3(109cm to 152cm)	Loam
horizon H4(152cm to 183cm)	Stratified loamy sand to sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GyA - Greenfield sandy loam, 0 to 2 percent slopes

Component: Greenfield (85%)
The Greenfield component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans, terraces. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3c. Irrigated land capability classification is 1 This soil does not meet hydric criteria.

Component: Hanford (10%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Component: Pachappa (2%)
Generated brief soil descriptions are created for major soil components. The Pachappa soil is a minor component.

Component: Arlington (2%)
Generated brief soil descriptions are created for major soil components. The Arlington soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit GyC2 (10.01%)

Map Unit Name:	Greenfield sandy loam, 2 to 8 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Greenfield(85%)

horizon H1(0cm to 66cm)	Sandy loam
horizon H2(66cm to 109cm)	Fine sandy loam
horizon H3(109cm to 152cm)	Loam
horizon H4(152cm to 183cm)	Stratified loamy sand to sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GyC2 - Greenfield sandy loam, 2 to 8 percent slopes, eroded

Component: Greenfield (85%)
The Greenfield component makes up 85 percent of the map unit. Slopes are 2 to 8 percent. This component is on alluvial fans, terraces. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Pachappa (3%)
Generated brief soil descriptions are created for major soil components. The Pachappa soil is a minor component.

Component: Unnamed (3%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Hanford (3%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Component: Ramona (3%)
Generated brief soil descriptions are created for major soil components. The Ramona soil is a minor component.

Component: Arlington (3%)
Generated brief soil descriptions are created for major soil components. The Arlington soil is a minor component.

Map Unit HcC (0.23%)

Map Unit Name:	Hanford coarse sandy loam, 2 to 8 percent slopes

Soil Information

Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hanford(85%)

horizon H1(0cm to 20cm)	Coarse sandy loam
horizon H2(20cm to 102cm)	Fine sandy loam
horizon H3(102cm to 152cm)	Stratified loamy sand to coarse sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: HcC - Hanford coarse sandy loam, 2 to 8 percent slopes

Component: Hanford (85%)
The Hanford component makes up 85 percent of the map unit. Slopes are 2 to 8 percent. This component is on alluvial fans, alluvial plains. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R020XD012CA Sandy ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Greenfield (5%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Ramona (5%)
Generated brief soil descriptions are created for major soil components. The Ramona soil is a minor component.

Component: Tujunga (2%)
Generated brief soil descriptions are created for major soil components. The Tujunga soil is a minor component.

Component: Unnamed (2%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit HcD2 (0.15%)

Map Unit Name:	Hanford coarse sandy loam, 8 to 15 percent slopes, erod ed
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hanford(85%)

horizon H1(0cm to 20cm)	Coarse sandy loam
horizon H2(20cm to 102cm)	Fine sandy loam
horizon H3(102cm to 152cm)	Stratified loamy sand to coarse sandy loam

Component Description:

Minor map unit components are excluded from this report.

Soil Information

Map Unit: HcD2 - Hanford coarse sandy loam, 8 to 15 percent slopes, eroded

Component: Hanford (85%)
The Hanford component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on alluvial plains, alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R020XD012CA Sandy ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Greenfield (5%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Ramona (5%)
Generated brief soil descriptions are created for major soil components. The Ramona soil is a minor component.

Component: Tujunga (5%)
Generated brief soil descriptions are created for major soil components. The Tujunga soil is a minor component.

Map Unit HdD2 (0.1%)

Map Unit Name:	Hanford cobbly coarse sandy loam, 2 to 15 percent slope s, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hanford(85%)

horizon H1(0cm to 46cm)	Cobbly coarse sandy loam
horizon H2(46cm to 76cm)	Gravelly fine sandy loam
horizon H3(76cm to 152cm)	Stratified loamy sand to gravelly coarse sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: HdD2 - Hanford cobbly coarse sandy loam, 2 to 15 percent slopes, eroded

Component: Hanford (85%)
The Hanford component makes up 85 percent of the map unit. Slopes are 2 to 15 percent. This component is on alluvial fans, alluvial plains. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD035CA Sandy (1975) ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Riverwash (10%)
Generated brief soil descriptions are created for major soil components. The Riverwash soil is a minor component.

Component: Tujunga (5%)
Generated brief soil descriptions are created for major soil components. The Tujunga soil is a minor component.

Map Unit MaA (27.68%)

Map Unit Name:	Madera fine sandy loam, 0 to 2 percent slopes
Bedrock Depth - Min:	null

Soil Information

Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Madera(85%)

horizon H1(0cm to 48cm)	Fine sandy loam
horizon H2(48cm to 66cm)	Clay
horizon H3(66cm to 94cm)	Indurated
horizon H4(94cm to 157cm)	Stratified coarse sandy loam to clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: MaA - Madera fine sandy loam, 0 to 2 percent slopes

Component: Madera (85%)
The Madera component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on dissected alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, duripan, is 20 to 40 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD061CA Claypan (1975) ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 3s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Unnamed (3%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Monserate (3%)
Generated brief soil descriptions are created for major soil components. The Monserate soil is a minor component.

Component: Chino (3%)
Generated brief soil descriptions are created for major soil components. The Chino soil is a minor component.

Component: Exeter (3%)
Generated brief soil descriptions are created for major soil components. The Exeter soil is a minor component.

Component: Willows (3%)
Generated brief soil descriptions are created for major soil components. The Willows soil is a minor component.

Map Unit MaB2 (1.66%)

Map Unit Name:	Madera fine sandy loam, 2 to 5 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Madera(85%)

horizon H1(0cm to 30cm)	Fine sandy loam
horizon H2(30cm to 53cm)	Clay
horizon H3(53cm to 81cm)	Indurated
horizon H4(81cm to 152cm)	Stratified coarse sandy loam to clay loam

Component Description:

Soil Information

Minor map unit components are excluded from this report.

Map Unit: MaB2 - Madera fine sandy loam, 2 to 5 percent slopes, eroded

Component: Madera (85%)
The Madera component makes up 85 percent of the map unit. Slopes are 2 to 5 percent. This component is on dissected alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, duripan, is 20 to 40 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD061CA Claypan (1975) ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Exeter (5%)
Generated brief soil descriptions are created for major soil components. The Exeter soil is a minor component.

Component: Chino (5%)
Generated brief soil descriptions are created for major soil components. The Chino soil is a minor component.

Component: Monserate (4%)
Generated brief soil descriptions are created for major soil components. The Monserate soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit MmB (8.16%)

Map Unit Name:	Monserate sandy loam, 0 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Monserate(85%)	
horizon H1(0cm to 25cm)	Sandy loam
horizon H2(25cm to 71cm)	Sandy clay loam
horizon H3(71cm to 114cm)	Indurated
horizon H4(114cm to 145cm)	Cemented
horizon H5(145cm to 178cm)	Coarse sandy loam
horizon H5(145cm to 178cm)	Loamy coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: MmB - Monserate sandy loam, 0 to 5 percent slopes

Component: Monserate (85%)
The Monserate component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, duripan, is 20 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Greenfield (5%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Soil Information

Component: Hanford (5%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Component: Tujunga (5%)
Generated brief soil descriptions are created for major soil components. The Tujunga soil is a minor component.

Map Unit MnD2 (2.66%)

Map Unit Name:	Monserate sandy loam, shallow, 5 to 15 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Monserate(85%)

horizon H1(0cm to 25cm)	Sandy loam
horizon H2(25cm to 46cm)	Sandy clay loam
horizon H3(46cm to 114cm)	Indurated
horizon H4(114cm to 145cm)	Cemented
horizon H5(145cm to 178cm)	Loamy coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: MnD2 - Monserate sandy loam, shallow, 5 to 15 percent slopes, eroded

Component: Monserate (85%)
The Monserate component makes up 85 percent of the map unit. Slopes are 5 to 15 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, duripan, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD060CA Shallow Loamy (1975) ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Hanford (5%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Component: Tujunga (5%)
Generated brief soil descriptions are created for major soil components. The Tujunga soil is a minor component.

Component: Greenfield (5%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Map Unit PaC2 (4.36%)

Map Unit Name:	Pachappa fine sandy loam, 2 to 8 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Pachappa(85%)

horizon H1(0cm to 51cm)	Fine sandy loam
horizon H2(51cm to 102cm)	Loam

horizon H3(102cm to 160cm)	Fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: PaC2 - Pachappa fine sandy loam, 2 to 8 percent slopes, eroded

Component: Pachappa (85%)
The Pachappa component makes up 85 percent of the map unit. Slopes are 2 to 8 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Hanford (5%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Component: San Emigdio (5%)
Generated brief soil descriptions are created for major soil components. The San Emigdio soil is a minor component.

Component: Greenfield (5%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Map Unit PlD (0.31%)

Map Unit Name:	Placentia fine sandy loam, 5 to 15 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Placentia(85%)

horizon H1(0cm to 46cm)	Fine sandy loam
horizon H2(46cm to 99cm)	Clay
horizon H3(99cm to 145cm)	Clay loam
horizon H4(145cm to 152cm)	Gravelly sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: PlD - Placentia fine sandy loam, 5 to 15 percent slopes

Component: Placentia (85%)
The Placentia component makes up 85 percent of the map unit. Slopes are 5 to 15 percent. This component is on terraces, alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD061CA Claypan (1975) ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 4e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. The soil has a slightly saline horizon within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 32 within 30 inches of the soil surface.

Component: Hanford (5%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Soil Information

Component: Greenfield (5%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Ramona (4%)
Generated brief soil descriptions are created for major soil components. The Ramona soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit RaA (3.89%)

Map Unit Name:	Ramona sandy loam, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Ramona(85%)

horizon H1(0cm to 36cm)	Sandy loam
horizon H2(36cm to 58cm)	Fine sandy loam
horizon H3(58cm to 173cm)	Sandy clay loam
horizon H4(173cm to 188cm)	Gravelly sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: RaA - Ramona sandy loam, 0 to 2 percent slopes, MLRA 19

Component: Ramona (85%)
The Ramona component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial plains, terraces, alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 2s. This soil does not meet hydric criteria.

Component: Greenfield (6%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Hanford (4%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Component: Tujunga (4%)
Generated brief soil descriptions are created for major soil components. The Tujunga soil is a minor component.

Component: Placentia (1%)
Generated brief soil descriptions are created for major soil components. The Placentia soil is a minor component.

Map Unit RaB2 (6.66%)

Map Unit Name:	Ramona sandy loam, 2 to 5 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Soil Information

Major components are printed below

Ramona(85%)

horizon H1(0cm to 36cm)	Sandy loam
horizon H2(36cm to 58cm)	Fine sandy loam
horizon H3(58cm to 173cm)	Sandy clay loam
horizon H4(173cm to 188cm)	Gravelly sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: RaB2 - Ramona sandy loam, 2 to 5 percent slopes, eroded

Component: Ramona (85%)
The Ramona component makes up 85 percent of the map unit. Slopes are 2 to 5 percent. This component is on alluvial fans, terraces. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent.

Component: Greenfield (4%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Hanford (4%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Component: Arlington (4%)
Generated brief soil descriptions are created for major soil components. The Arlington soil is a minor component.

Component: Tujunga (3%)
Generated brief soil descriptions are created for major soil components. The Tujunga soil is a minor component.

Map Unit VtF2 (0.18%)

Map Unit Name:	Vista rocky coarse sandy loam, 2 to 35 percent slopes, eroded
Bedrock Depth - Min:	61cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Vista(75%)

horizon H1(0cm to 38cm)	Coarse sandy loam
horizon H2(38cm to 61cm)	Coarse sandy loam
horizon H3(61cm to 71cm)	Weathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: VtF2 - Vista rocky coarse sandy loam, 2 to 35 percent slopes, eroded

Component: Vista (75%)
The Vista component makes up 75 percent of the map unit. Slopes are 2 to 35 percent. This component is on hills, uplands. The parent material consists of residuum weathered from granodiorite and/or residuum weathered from granite. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface

horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Rock outcrop (10%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Cieneba (5%)
Generated brief soil descriptions are created for major soil components. The Cieneba soil is a minor component.

Component: Bonsall (5%)
Generated brief soil descriptions are created for major soil components. The Bonsall soil is a minor component.

Component: Fallbrook (5%)
Generated brief soil descriptions are created for major soil components. The Fallbrook soil is a minor component.

Map Unit YbC (12.24%)

Map Unit Name:	Yokohl loam, 2 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Yokohl(85%)

horizon H1(0cm to 25cm)	Loam
horizon H2(25cm to 66cm)	Clay loam
horizon H3(66cm to 76cm)	Indurated
horizon H4(76cm to 152cm)	Stratified sandy loam to gravelly loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: YbC - Yokohl loam, 2 to 8 percent slopes

Component: Yokohl (85%)
The Yokohl component makes up 85 percent of the map unit. Slopes are 2 to 8 percent. This component is on alluvial fans. The parent material consists of alluvium derived from igneous rock. Depth to a root restrictive layer, duripan, is 20 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD061CA Claypan (1975) ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 4e. This soil does not meet hydric criteria.

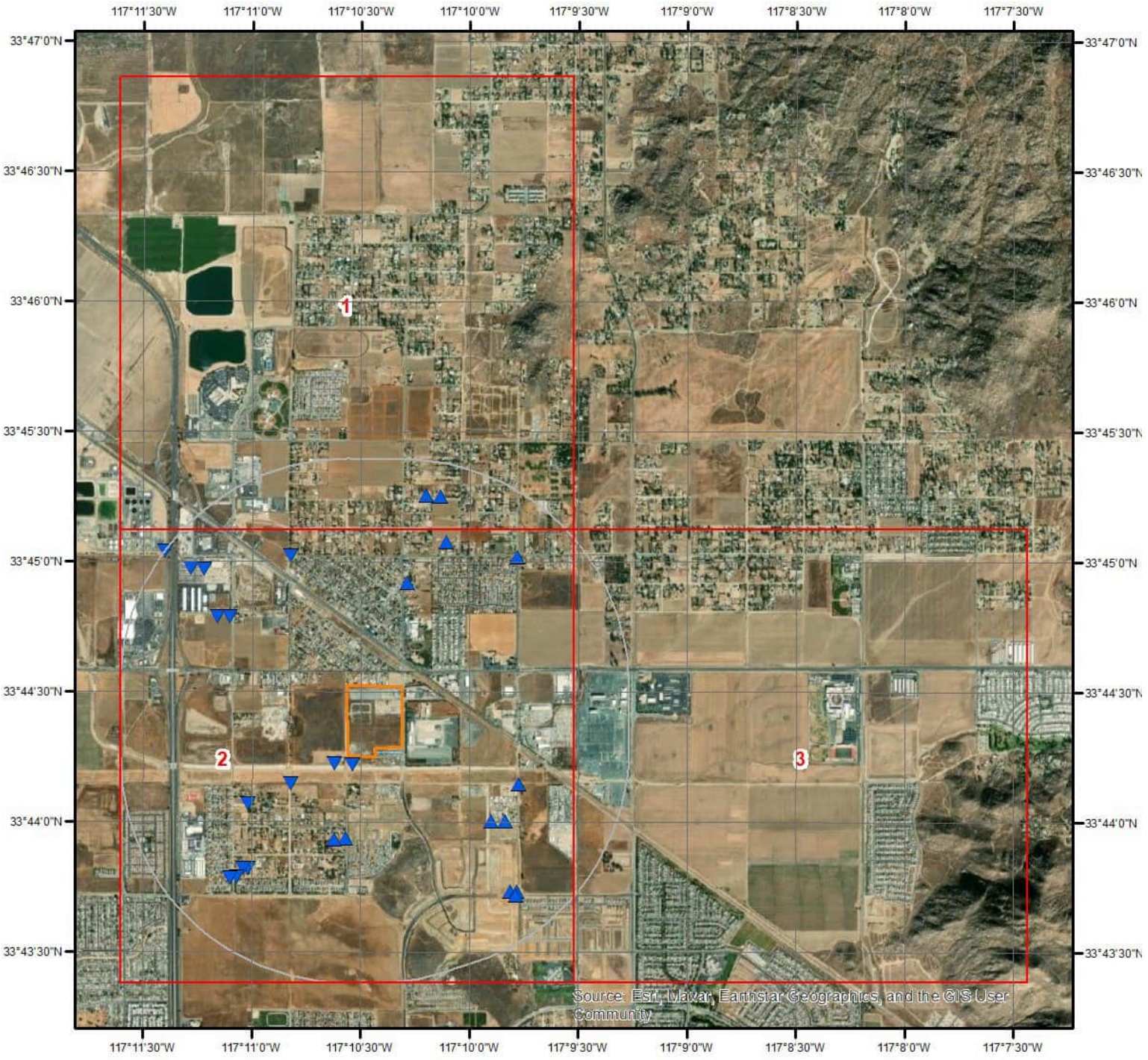
Component: Wyman (5%)
Generated brief soil descriptions are created for major soil components. The Wyman soil is a minor component.

Component: Porterville (5%)
Generated brief soil descriptions are created for major soil components. The Porterville soil is a minor component.

Component: Buren (4%)
Generated brief soil descriptions are created for major soil components. The Buren soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Wells and Additional Sources



Wells & Additional Sources

N

0 0.3 0.6 1.2 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 1

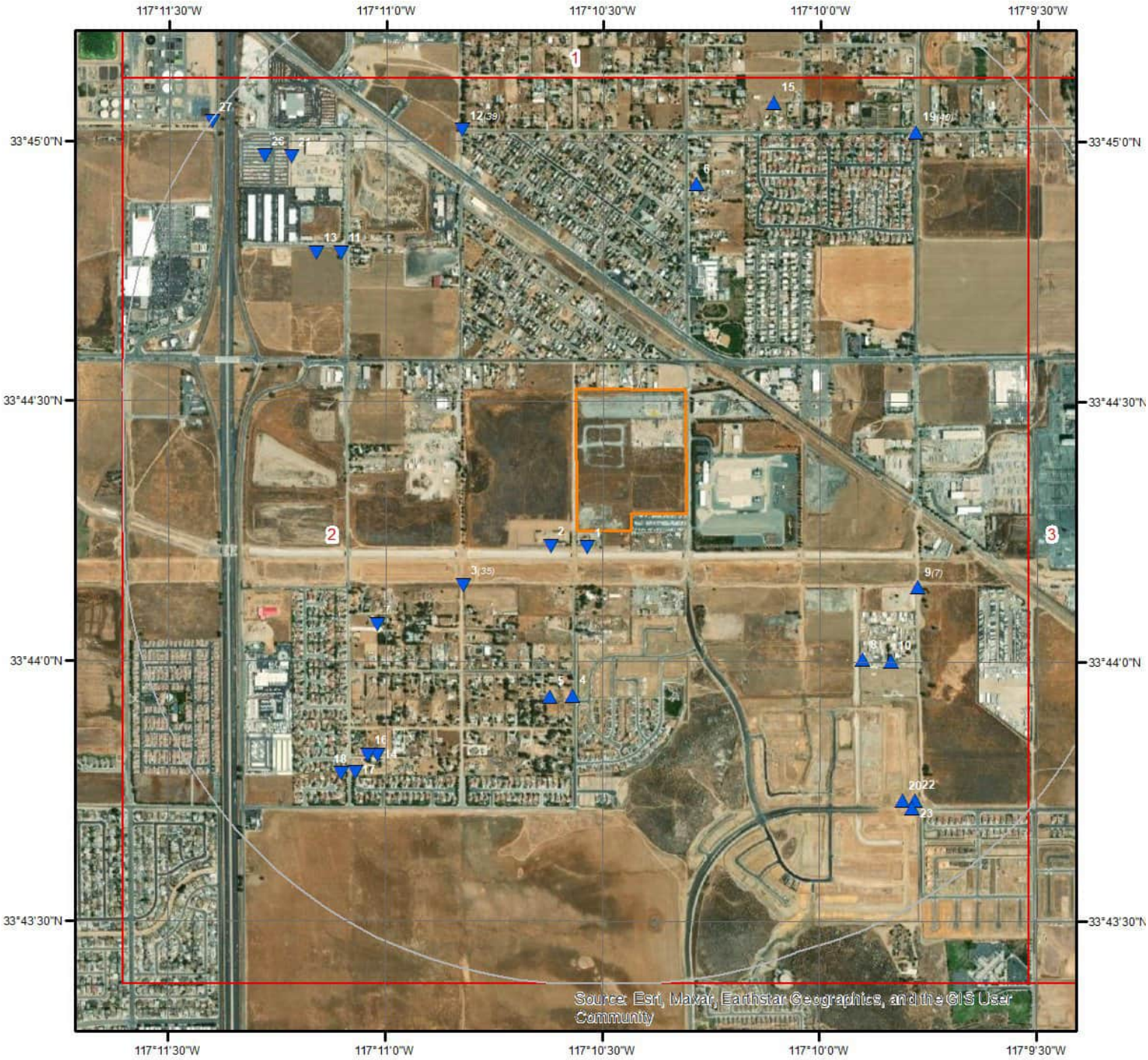
N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 2

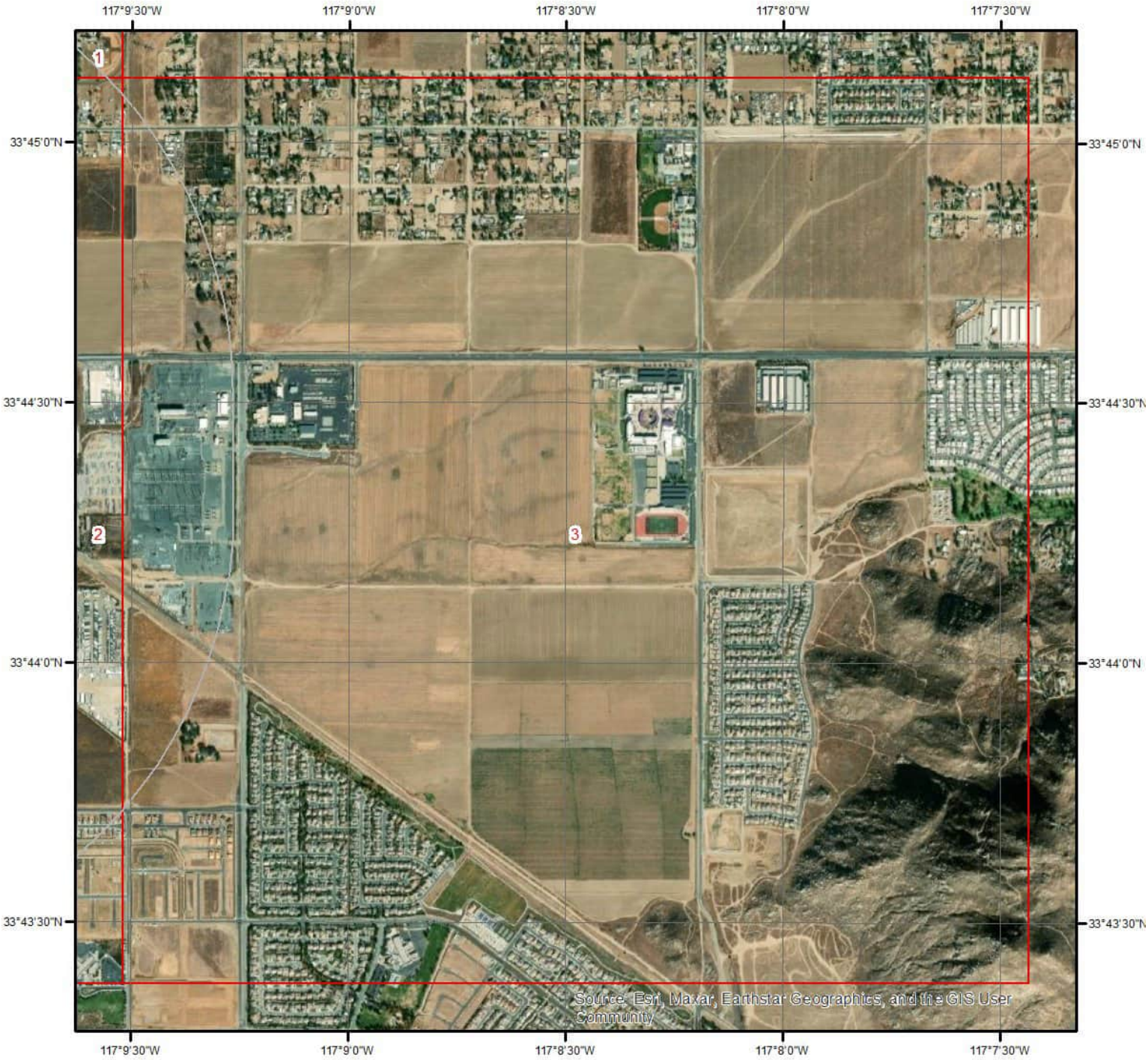
N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 3

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
	No records found		

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	Monitoring Loc Identifier	Distance (ft)	Direction
1	USGS-334413117102901	203.92	SSW
4	USGS-334356117103101	1922.67	SSW
6	USGS-334455117101401	2404.80	NNE
7	USGS-334404117105801	2572.54	SW
10	USGS-334400117094701	2949.96	SE
11	USGS-334447117110301	3157.43	NW
14	USGS-334349117105801	3505.99	SW
17	USGS-334347117110101	3825.50	SW
21	USGS-334458117111001	4277.98	NW
23	USGS-334343117094401	4340.29	SE
25	USGS-334515117100501	4510.75	NNE

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Periodic Groundwater Level Measurement Locations

Map Key	Site Code	Distance (ft)	Direction
2	337370N1171765W001	355.53	SW
5	337322N1171770W001	1960.81	SSW
8	337334N1171648W001	2679.76	SE
13	337464N1171859W001	3413.08	WNW
16	337303N1171845W001	3577.84	SW
18	337297N1171854W001	3945.08	SW
22	337289N1171635W001	4280.17	SE
24	337542N1171698W001	4462.55	NNE
26	337495N1171879W001	4531.02	NW
27	337506N1171899W001	5257.59	NW

Well Completion Reports

Wells and Additional Sources Summary

Map Key	WCR No	Distance (ft)	Direction
3	WCR1997-010417	1462.09	SW
3	WCR1991-018543	1462.09	SW
3	WCR1998-009288	1462.09	SW
3	WCR2001-014183	1462.09	SW
3	WCR1994-012063	1462.09	SW
3	WCR1998-009329	1462.09	SW
3	WCR1994-012062	1462.09	SW
3	WCR1952-001347	1462.09	SW
3	WCR1952-001782	1462.09	SW
3	WCR2003-011975	1462.09	SW
3	WCR2004-012513	1462.09	SW
3	WCR1991-018544	1462.09	SW
3	WCR1988-015802	1462.09	SW
3	WCR0113990	1462.09	SW
3	WCR0075574	1462.09	SW
3	WCR1993-013326	1462.09	SW
3	WCR0030046	1462.09	SW
3	WCR0058845	1462.09	SW
3	WCR2005-016814	1462.09	SW
3	WCR1998-009513	1462.09	SW
3	WCR1996-010873	1462.09	SW
3	WCR2001-014290	1462.09	SW
3	WCR1993-013207	1462.09	SW
3	WCR2004-012514	1462.09	SW
3	WCR1991-018545	1462.09	SW
3	WCR2007-010211	1462.09	SW
3	WCR2003-013955	1462.09	SW
3	WCR1996-009097	1462.09	SW
3	WCR2000-011681	1462.09	SW
3	WCR2004-011465	1462.09	SW
3	WCR2002-014807	1462.09	SW
3	WCR2001-014182	1462.09	SW
3	WCR1998-009327	1462.09	SW
3	WCR1994-012068	1462.09	SW
3	WCR1997-011298	1462.09	SW
9	WCR0100451	2836.49	ESE
9	WCR1953-001822	2836.49	ESE
9	WCR1953-001397	2836.49	ESE
9	WCR1980-008211	2836.49	ESE
9	WCR2004-014493	2836.49	ESE
9	WCR2001-014285	2836.49	ESE
9	WCR1776-008987	2836.49	ESE
12	WCR2001-011815	3292.18	NNW
12	WCR1949-000591	3292.18	NNW
12	WCR1948-001223	3292.18	NNW
12	WCR2011-008196	3292.18	NNW
12	WCR2001-011814	3292.18	NNW
12	WCR2001-011816	3292.18	NNW
12	WCR1982-006453	3292.18	NNW
12	WCR1986-010535	3292.18	NNW
12	WCR1948-001222	3292.18	NNW
12	WCR1931-000314	3292.18	NNW
12	WCR0064533	3292.18	NNW
12	WCR2001-010826	3292.18	NNW
12	WCR0161986	3292.18	NNW
12	WCR2009-009553	3292.18	NNW
12	WCR2002-013387	3292.18	NNW
12	WCR1998-009834	3292.18	NNW
12	WCR1948-001054	3292.18	NNW
12	WCR2011-008195	3292.18	NNW
12	WCR1776-008978	3292.18	NNW
12	WCR1948-001431	3292.18	NNW
12	WCR1951-002197	3292.18	NNW
12	WCR1948-001260	3292.18	NNW

Wells and Additional Sources Summary

12	WCR2001-010764	3292.18	NNW
12	WCR1776-011495	3292.18	NNW
12	WCR0294636	3292.18	NNW
12	WCR1776-011318	3292.18	NNW
12	WCR1950-002407	3292.18	NNW
12	WCR1949-000716	3292.18	NNW
12	WCR1776-008977	3292.18	NNW
12	WCR1950-002105	3292.18	NNW
12	WCR2009-009552	3292.18	NNW
12	WCR1975-003070	3292.18	NNW
12	WCR1949-000592	3292.18	NNW
12	WCR1952-001781	3292.18	NNW
12	WCR2011-008197	3292.18	NNW
12	WCR1953-002174	3292.18	NNW
12	WCR2009-008827	3292.18	NNW
12	WCR2006-012430	3292.18	NNW
12	WCR1953-001820	3292.18	NNW
15	WCR2017-000662	3509.75	NNE
19	WCR1990-018458	4035.89	NE
19	WCR1776-008981	4035.89	NE
19	WCR1948-001055	4035.89	NE
19	WCR2001-011821	4035.89	NE
19	WCR1948-001430	4035.89	NE
19	WCR1776-008984	4035.89	NE
19	WCR2001-011817	4035.89	NE
19	WCR1776-009096	4035.89	NE
19	WCR1948-001224	4035.89	NE
19	WCR1950-002106	4035.89	NE
19	WCR1951-002198	4035.89	NE
19	WCR1948-001429	4035.89	NE
19	WCR1988-015801	4035.89	NE
19	WCR1776-008985	4035.89	NE
19	WCR1988-015800	4035.89	NE
19	WCR1948-001432	4035.89	NE
19	WCR1948-001060	4035.89	NE
19	WCR1950-002108	4035.89	NE
19	WCR1950-002408	4035.89	NE
19	WCR1950-002107	4035.89	NE
19	WCR1776-009095	4035.89	NE
19	WCR2001-011820	4035.89	NE
19	WCR1776-008979	4035.89	NE
19	WCR2005-016836	4035.89	NE
19	WCR1953-001821	4035.89	NE
19	WCR1948-001056	4035.89	NE
19	WCR2002-012976	4035.89	NE
19	WCR1951-002199	4035.89	NE
19	WCR1776-009094	4035.89	NE
19	WCR0089866	4035.89	NE
19	WCR1996-009239	4035.89	NE
19	WCR1776-009097	4035.89	NE
19	WCR1776-008980	4035.89	NE
19	WCR2001-011818	4035.89	NE
19	WCR2001-011819	4035.89	NE
19	WCR1950-002409	4035.89	NE
19	WCR1989-017548	4035.89	NE
19	WCR1977-009454	4035.89	NE
19	WCR1776-008982	4035.89	NE
19	WCR1776-008983	4035.89	NE
20	WCR2021-006576	4194.51	SE

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SSW	0.04	203.92	1,438.48	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	220	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	220	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RIVERSIDE
Construction Date:		Latitude:	33.73696480000000
Source Map Scale:	24000	Longitude:	-117.1755890000000
Monitoring Loc Name:	005S003W15H001S		
Monitoring Loc Identifier:	USGS-334413117102901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070202		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	1435		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	SSW	0.36	1,922.67	1,441.48	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	380	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	380	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RIVERSIDE

Construction Date:	19910404	Latitude:	33.73224275000000
Source Map Scale:	24000	Longitude:	-117.1761446000000
Monitoring Loc Name:	005S003W15Q001S		
Monitoring Loc Identifier:	USGS-334356117103101		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070202		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	1439		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NNE	0.46	2,404.80	1,453.15	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	787	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	787	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RIVERSIDE
Construction Date:		Latitude:	33.74863116000000
Source Map Scale:	24000	Longitude:	-117.1714222000000
Monitoring Loc Name:	005S003W11M002S		
Monitoring Loc Identifier:	USGS-334455117101401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070202		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	1451
Vertical Measure Unit:	feet
Vertical Accuracy:	10
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SW	0.49	2,572.54	1,431.48	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	150	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	150	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RIVERSIDE
Construction Date:	19941015	Latitude:	33.73446489000000
Source Map Scale:	24000	Longitude:	-117.1836449000000
Monitoring Loc Name:	005S003W15L001S		
Monitoring Loc Identifier:	USGS-334404117105801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070202		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	1429		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SE	0.56	2,949.96	1,446.48	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	200	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	200	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RIVERSIDE
Construction Date:	19800120	Latitude:	33.73335385000000
Source Map Scale:	24000	Longitude:	-117.1639217000000
Monitoring Loc Name:	005S003W14L001S		
Monitoring Loc Identifier:	USGS-334400117094701		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070202		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	1444		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NW	0.60	3,157.43	1,428.48	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	RIVERSIDE
Construction Date:		Latitude:	33.74640898000000
Source Map Scale:	24000	Longitude:	-117.1850340000000
Monitoring Loc Name:	005S003W10N001S		
Monitoring Loc Identifier:	USGS-334447117110301		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070202		

Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	5
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	1425
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SW	0.66	3,505.99	1,432.35	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	160	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	160	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RIVERSIDE
Construction Date:	19941001	Latitude:	33.73029834000000
Source Map Scale:	24000	Longitude:	-117.1836449000000
Monitoring Loc Name:	005S003W15P002S		
Monitoring Loc Identifier:	USGS-334349117105801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070202		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	1429		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		

Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	SW	0.72	3,825.50	1,431.48	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	185	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	185	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RIVERSIDE
Construction Date:	19910709	Latitude:	33.72974280000000
Source Map Scale:	24000	Longitude:	-117.1844783000000
Monitoring Loc Name:	005S003W15P001S		
Monitoring Loc Identifier:	USGS-334347117110101		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070202		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	1428		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	NW	0.81	4,277.98	1,426.52	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	333.7	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	RIVERSIDE

Construction Date:		Latitude:	33.74946444000000
Source Map Scale:	24000	Longitude:	-117.1869785000000
Monitoring Loc Name:	005S003W10M002S		
Monitoring Loc Identifier:	USGS-334458117111001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070202		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	1422		
Vertical Measure Unit:	feet		
Vertical Accuracy:	10		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SE	0.82	4,340.29	1,449.47	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	250	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	RIVERSIDE
Construction Date:		Latitude:	33.72863177000000
Source Map Scale:	24000	Longitude:	-117.1630883000000
Monitoring Loc Name:	005S003W14P001S		
Monitoring Loc Identifier:	USGS-334343117094401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070202		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	1447
Vertical Measure Unit:	feet
Vertical Accuracy:	5
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	NNE	0.85	4,510.75	1,466.48	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	227	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	RIVERSIDE
Construction Date:	198712	Latitude:	33.75418660000000
Source Map Scale:	24000	Longitude:	-117.1689220000000
Monitoring Loc Name:	005S003W11D001S		
Monitoring Loc Identifier:	USGS-334515117100501		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070202		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	1465		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Periodic Groundwater Level Measurement Locations

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	SW	0.07	355.53	1,436.48	MONITOR WELLS

Site Code:	337370N1171765W001	Basin ID:	
State Well No:	05S03W15H001S	Basin Code:	8-005
Station ID:	28641	Basin Name:	San Jacinto
WCR No:		Basin Region Code:	8
Well Depth:		Basin Region Desc:	North Lahontan
Well Use:	Unknown	Basin Region Actv:	Y
Well Type:	Unknown	Basin Region Order:	8
Well Name:		County Name:	Riverside
Latitude:	33.737	WLM Method:	Unknown
Longitude:	-117.177	WLM Accuracy:	Unknown

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	SSW	0.37	1,960.81	1,440.98	MONITOR WELLS

Site Code:	337322N1171770W001	Basin ID:	
State Well No:	05S03W15Q001S	Basin Code:	8-005
Station ID:	28642	Basin Name:	San Jacinto
WCR No:		Basin Region Code:	8
Well Depth:		Basin Region Desc:	North Lahontan
Well Use:	Unknown	Basin Region Actv:	Y
Well Type:	Unknown	Basin Region Order:	8
Well Name:		County Name:	Riverside
Latitude:	33.7322	WLM Method:	Unknown
Longitude:	-117.177	WLM Accuracy:	Unknown

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	SE	0.51	2,679.76	1,444.49	MONITOR WELLS

Site Code:	337334N1171648W001	Basin ID:	
State Well No:	05S03W14L001S	Basin Code:	8-005
Station ID:	6313	Basin Name:	San Jacinto
WCR No:		Basin Region Code:	8
Well Depth:		Basin Region Desc:	North Lahontan
Well Use:	Unknown	Basin Region Actv:	Y
Well Type:	Unknown	Basin Region Order:	8
Well Name:		County Name:	Riverside
Latitude:	33.7334	WLM Method:	Unknown
Longitude:	-117.165	WLM Accuracy:	Unknown

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	WNW	0.65	3,413.08	1,427.48	MONITOR WELLS

Site Code:	337464N1171859W001	Basin ID:	
State Well No:	05S03W10N001S	Basin Code:	8-005

Station ID:	6310	Basin Name:	San Jacinto
WCR No:		Basin Region Code:	8
Well Depth:		Basin Region Desc:	North Lahontan
Well Use:	Unknown	Basin Region Actv:	Y
Well Type:	Unknown	Basin Region Order:	8
Well Name:		County Name:	Riverside
Latitude:	33.7464	WLM Method:	Unknown
Longitude:	-117.186	WLM Accuracy:	Unknown

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SW	0.68	3,577.84	1,431.48	MONITOR WELLS

Site Code:	337303N1171845W001	Basin ID:	
State Well No:	05S03W15P002S	Basin Code:	8-005
Station ID:	6315	Basin Name:	San Jacinto
WCR No:		Basin Region Code:	8
Well Depth:		Basin Region Desc:	North Lahontan
Well Use:	Unknown	Basin Region Actv:	Y
Well Type:	Unknown	Basin Region Order:	8
Well Name:		County Name:	Riverside
Latitude:	33.7303	WLM Method:	Unknown
Longitude:	-117.184	WLM Accuracy:	Unknown

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	SW	0.75	3,945.08	1,431.48	MONITOR WELLS

Site Code:	337297N1171854W001	Basin ID:	
State Well No:	05S03W15P001S	Basin Code:	8-005
Station ID:	6314	Basin Name:	San Jacinto
WCR No:		Basin Region Code:	8
Well Depth:		Basin Region Desc:	North Lahontan
Well Use:	Unknown	Basin Region Actv:	Y
Well Type:	Unknown	Basin Region Order:	8
Well Name:		County Name:	Riverside
Latitude:	33.7297	WLM Method:	Unknown
Longitude:	-117.185	WLM Accuracy:	Unknown

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	SE	0.81	4,280.17	1,448.88	MONITOR WELLS

Site Code:	337289N1171635W001	Basin ID:	
State Well No:		Basin Code:	8-005
Station ID:	48342	Basin Name:	San Jacinto
WCR No:		Basin Region Code:	8
Well Depth:		Basin Region Desc:	North Lahontan

Well Use:	Irrigation	Basin Region Actv:	Y
Well Type:	Single Well	Basin Region Order:	8
Well Name:	EMWD12774	County Name:	Riverside
Latitude:	33.7289	WLM Method:	Digital Elevation Model
Longitude:	-117.163	WLM Accuracy:	5 ft.

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	NNE	0.85	4,462.55	1,463.51	MONITOR WELLS

Site Code:	337542N1171698W001	Basin ID:	
State Well No:	05S03W11D001S	Basin Code:	8-005
Station ID:	6311	Basin Name:	San Jacinto
WCR No:		Basin Region Code:	8
Well Depth:		Basin Region Desc:	North Lahontan
Well Use:	Unknown	Basin Region Actv:	Y
Well Type:	Unknown	Basin Region Order:	8
Well Name:		County Name:	Riverside
Latitude:	33.7542	WLM Method:	Unknown
Longitude:	-117.17	WLM Accuracy:	Unknown

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	NW	0.86	4,531.02	1,424.29	MONITOR WELLS

Site Code:	337495N1171879W001	Basin ID:	
State Well No:	05S03W10M002S	Basin Code:	8-005
Station ID:	6309	Basin Name:	San Jacinto
WCR No:		Basin Region Code:	8
Well Depth:		Basin Region Desc:	North Lahontan
Well Use:	Unknown	Basin Region Actv:	Y
Well Type:	Unknown	Basin Region Order:	8
Well Name:		County Name:	Riverside
Latitude:	33.7495	WLM Method:	Unknown
Longitude:	-117.188	WLM Accuracy:	Unknown

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NW	1.00	5,257.59	1,422.45	MONITOR WELLS

Site Code:	337506N1171899W001	Basin ID:	
State Well No:		Basin Code:	8-005
Station ID:	48337	Basin Name:	San Jacinto
WCR No:		Basin Region Code:	8
Well Depth:	249	Basin Region Desc:	North Lahontan
Well Use:	Observation	Basin Region Actv:	Y
Well Type:	Single Well	Basin Region Order:	8
Well Name:	EMWD12744	County Name:	Riverside

Latitude:	33.7506	WLM Method:	Digital Elevation Model
Longitude:	-117.19	WLM Accuracy:	5 ft.

Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1997-010417	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	DAWSON RD		
Location(OSWCR):	DAWSON RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1991-018543	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	AIRSTREAM		
Location(OSWCR):	AIRSTREAM		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1998-009288	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	26395 DAWSON RD		
Location(OSWCR):	26395 DAWSON RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

Wells and Additional Sources Detail Report

WCR No:	WCR2001-014183	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	26658 Dawson Rd		
Location(OSWCR):	26658 Dawson Rd		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1994-012063	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	27275 HELENE WAY		
Location(OSWCR):	27275 HELENE WAY		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1998-009329	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	27125 Almaden Lane		
Location(OSWCR):	27125 Almaden Lane		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1994-012062	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	26805 SHERMAN RD		
Location(OSWCR):	26805 SHERMAN RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water		

Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1952-001347	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1952-001782	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	WEND, TRUMBLO FARMS		
Location(OSWCR):	WEND, TRUMBLO FARMS		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR2003-011975	City(OSWCR):	Perris
City:	Perris	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	Ethanac Rd		
Location(OSWCR):	Ethanac Rd		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR2004-012513	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside

County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	26395 Dawson Rd, McLaughlin Rd, Lot 2		
Location(OSWCR):	26395 Dawson Rd, McLaughlin Rd, Lot 2		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1991-018544	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	AIRSTREEM WAY		
Location(OSWCR):	AIRSTREEM WAY		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1988-015802	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	ETHANAC RD, DAWSON RD		
Location(OSWCR):	ETHANAC RD, DAWSON RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR0113990	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR0075574	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1993-013326	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	ETHANAC, DAWSON		
Location(OSWCR):	ETHANAC, DAWSON		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR0030046	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR0058845	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033

Decimal Longitude: -117.18033
Location:
Location(OSWCR): None
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No: WCR2005-016814
City: Romoland
County: Riverside
Decimal Latitude: 33.73575
Decimal Longitude: -117.18033
Location: 27375 Ethanac Road
Location(OSWCR): 27375 Ethanac Road
City(OSWCR): Romoland
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.73575
Decim Long(OSWCR): -117.18033
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No: WCR1998-009513
City: Sun City
County: Riverside
Decimal Latitude: 33.73575
Decimal Longitude: -117.18033
Location: DAWSON RD/LOT 87 TRUMBLE FARMS
Location(OSWCR): DAWSON RD/LOT 87 TRUMBLE FARMS
City(OSWCR): Sun City
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.73575
Decim Long(OSWCR): -117.18033
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No: WCR1996-010873
City: Sun City
County: Riverside
Decimal Latitude: 33.73575
Decimal Longitude: -117.18033
Location: 27425 CATALUNA CIRCLE
Location(OSWCR): 27425 CATALUNA CIRCLE
City(OSWCR): Sun City
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.73575
Decim Long(OSWCR): -117.18033
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

Wells and Additional Sources Detail Report

WCR No:	WCR2001-014290	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	26200 Trumble Road		
Location(OSWCR):	26200 Trumble Road		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1993-013207	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	HWY 215, ETHANAC, DAWSON RD		
Location(OSWCR):	HWY 215, ETHANAC, DAWSON RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR2004-012514	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	26450 Dawson Rd, McLaughlin Rd, Lot 4		
Location(OSWCR):	26450 Dawson Rd, McLaughlin Rd, Lot 4		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1991-018545	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	ALMADEN LN		

Location(OSWCR): ALMADEN LN
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No: WCR2007-010211
City: Romoland
County: Riverside
Decimal Latitude: 33.73575
Decimal Longitude: -117.18033
Location: 26227 Sherman Road
Location(OSWCR): 26227 Sherman Road
City(OSWCR): Romoland
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.73575
Decim Long(OSWCR): -117.18033
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No: WCR2003-013955
City: Sun City
County: Riverside
Decimal Latitude: 33.73575
Decimal Longitude: -117.18033
Location: 26130 Dawson Road
Location(OSWCR): 26130 Dawson Road
City(OSWCR): Sun City
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.73575
Decim Long(OSWCR): -117.18033
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No: WCR1996-009097
City: Perris
County: Riverside
Decimal Latitude: 33.73575
Decimal Longitude: -117.18033
Location: 3222 TRUMBLE RD
Location(OSWCR): 3222 TRUMBLE RD
City(OSWCR): Perris
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.73575
Decim Long(OSWCR): -117.18033
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

Wells and Additional Sources Detail Report

WCR No:	WCR2000-011681	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	HELENE WAY		
Location(OSWCR):	HELENE WAY		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR2004-011465	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	26340 Trumble Rd, McLaughlin Rd		
Location(OSWCR):	26340 Trumble Rd, McLaughlin Rd		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR2002-014807	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	McLachin Road		
Location(OSWCR):	McLachin Road		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR2001-014182	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	27311 Almaden Lane		
Location(OSWCR):	27311 Almaden Lane		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water		

Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1998-009327	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	27250 Airstream Way		
Location(OSWCR):	27250 Airstream Way		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1994-012068	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	27195 DIX HILL		
Location(OSWCR):	27195 DIX HILL		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.28	1,462.09	1,433.48	WATER WELLS

WCR No:	WCR1997-011298	City(OSWCR):	Sun City
City:	Sun City	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73575
Decimal Latitude:	33.73575	Decim Long(OSWCR):	-117.18033
Decimal Longitude:	-117.18033		
Location:	DAWSON RD/LOT 87 TRUMBLE FARMS		
Location(OSWCR):	DAWSON RD/LOT 87 TRUMBLE FARMS		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	ESE	0.54	2,836.49	1,451.49	WATER WELLS

WCR No:	WCR0100451	City(OSWCR):	None
City:		County(OSWCR):	Riverside

County:	Riverside	Decimal Lat(OSWCR):	33.73573
Decimal Latitude:	33.73573	Decim Long(OSWCR):	-117.16291
Decimal Longitude:	-117.16291		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	ESE	0.54	2,836.49	1,451.49	WATER WELLS

WCR No:	WCR1953-001822	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73573
Decimal Latitude:	33.73573	Decim Long(OSWCR):	-117.16291
Decimal Longitude:	-117.16291		
Location:	ROMOLA FARMS		
Location(OSWCR):	ROMOLA FARMS		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	ESE	0.54	2,836.49	1,451.49	WATER WELLS

WCR No:	WCR1953-001397	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73573
Decimal Latitude:	33.73573	Decim Long(OSWCR):	-117.16291
Decimal Longitude:	-117.16291		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	ESE	0.54	2,836.49	1,451.49	WATER WELLS

WCR No:	WCR1980-008211	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73573
Decimal Latitude:	33.73573	Decim Long(OSWCR):	-117.16291
Decimal Longitude:	-117.16291		
Location:	PALOMAR		
Location(OSWCR):	PALOMAR		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	ESE	0.54	2,836.49	1,451.49	WATER WELLS

WCR No:	WCR2004-014493	City(OSWCR):	Perris
City:	Perris	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73573
Decimal Latitude:	33.73573	Decim Long(OSWCR):	-117.16291
Decimal Longitude:	-117.16291		
Location:	McLaughlin Road & Matthews Road		
Location(OSWCR):	McLaughlin Road & Matthews Road		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	ESE	0.54	2,836.49	1,451.49	WATER WELLS

WCR No:	WCR2001-014285	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73573
Decimal Latitude:	33.73573	Decim Long(OSWCR):	-117.16291
Decimal Longitude:	-117.16291		
Location:	San Jacinto Rd, McLaughlin Rd		
Location(OSWCR):	San Jacinto Rd, McLaughlin Rd		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	ESE	0.54	2,836.49	1,451.49	WATER WELLS

WCR No:	WCR1776-008987	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.73573
Decimal Latitude:	33.73573	Decim Long(OSWCR):	-117.16291
Decimal Longitude:	-117.16291		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR2001-011815	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041

Decimal Longitude: -117.18041
Location: HOMESTEAD TRACT
Location(OSWCR): HOMESTEAD TRACT
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR1949-000591
City:
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location: WATERS HOMESTEAD TRACT
Location(OSWCR): WATERS HOMESTEAD TRACT
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR1948-001223
City:
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location: HOMESTEAD TRACT
Location(OSWCR): HOMESTEAD TRACT
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR2011-008196
City: Romoland
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location: 25351 Trumble Road
Location(OSWCR): 25351 Trumble Road
City(OSWCR): Romoland
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR2001-011814	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR2001-011816	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1982-006453	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	TRUMBLE RD, WATSON		
Location(OSWCR):	TRUMBLE RD, WATSON		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1986-010535	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	ANTELOPE RD		

Location(OSWCR): ANTELOPE RD
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR1948-001222
City:
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location: LOT 12 HOMESTEAD TRACT
Location(OSWCR): LOT 12 HOMESTEAD TRACT
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR1931-000314
City:
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location:
Location(OSWCR): None
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR0064533
City:
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location:
Location(OSWCR): None
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

Wells and Additional Sources Detail Report

WCR No:	WCR2001-010826	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR0161986	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR2009-009553	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	25351 Trumble Road		
Location(OSWCR):	25351 Trumble Road		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR2002-013387	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	S/E of Third St N/W of Monroe Ave		
Location(OSWCR):	S/E of Third St N/W of Monroe Ave		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water		

Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1998-009834	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	WATERS HOMESTEAD TRACT		
Location(OSWCR):	WATERS HOMESTEAD TRACT		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1948-001054	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	WATERS HOMESTEAD TRACT		
Location(OSWCR):	WATERS HOMESTEAD TRACT		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR2011-008195	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	25351 Trumble Road		
Location(OSWCR):	25351 Trumble Road		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1776-008978	City(OSWCR):	None
City:		County(OSWCR):	Riverside

Wells and Additional Sources Detail Report

County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	ANTELOPE RD, MAPLES RD		
Location(OSWCR):	ANTELOPE RD, MAPLES RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1948-001431	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	WATERS HOMESTEAD TRACT		
Location(OSWCR):	WATERS HOMESTEAD TRACT		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1951-002197	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	HWY 74, CASE RD, JACKSON, ETHANAC RD		
Location(OSWCR):	HWY 74, CASE RD, JACKSON, ETHANAC RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1948-001260	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	WATERS HOMESTEAD TRACT		
Location(OSWCR):	WATERS HOMESTEAD TRACT		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR2001-010764	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1776-011495	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR0294636	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1776-011318	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041

Decimal Longitude: -117.18041
Location:
Location(OSWCR): None
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR1950-002407
City:
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location: LOT 3 HOMESTEAD TRACT
Location(OSWCR): LOT 3 HOMESTEAD TRACT
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR1949-000716
City:
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location: ROMOLAND TOWNSITE LOT 7
Location(OSWCR): ROMOLAND TOWNSITE LOT 7
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR1776-008977
City:
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location:
Location(OSWCR): None
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1950-002105	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	HOMESTEAD TRACT RD		
Location(OSWCR):	HOMESTEAD TRACT RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR2009-009552	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	25351 Trumble Road		
Location(OSWCR):	25351 Trumble Road		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1975-003070	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	SCOTT RD		
Location(OSWCR):	SCOTT RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1949-000592	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:			

Location(OSWCR): None
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR1952-001781
City: Romoland
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location: SHERMAN RD, HWY 74
Location(OSWCR): SHERMAN RD, HWY 74
City(OSWCR): Romoland
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR2011-008197
City: Romoland
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location: 25351 Trumble Road
Location(OSWCR): 25351 Trumble Road
City(OSWCR): Romoland
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No: WCR1953-002174
City: Nuevo
County: Riverside
Decimal Latitude: 33.75034
Decimal Longitude: -117.18041
Location:
Location(OSWCR): None
City(OSWCR): Nuevo
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75034
Decim Long(OSWCR): -117.18041
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

Wells and Additional Sources Detail Report

WCR No:	WCR2009-008827	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	25351 Trumble Road		
Location(OSWCR):	25351 Trumble Road		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR2006-012430	City(OSWCR):	Perris
City:	Perris	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	3230 Trumble Road		
Location(OSWCR):	3230 Trumble Road		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.62	3,292.18	1,433.57	WATER WELLS

WCR No:	WCR1953-001820	City(OSWCR):	Nuevo
City:	Nuevo	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75034
Decimal Latitude:	33.75034	Decim Long(OSWCR):	-117.18041
Decimal Longitude:	-117.18041		
Location:	SHERMAN RD, JACKSON AVE, HWY 74		
Location(OSWCR):	SHERMAN RD, JACKSON AVE, HWY 74		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	NNE	0.66	3,509.75	1,465.44	WATER WELLS

WCR No:	WCR2017-000662	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.751248
Decimal Latitude:	33.751248	Decim Long(OSWCR):	-117.168439
Decimal Longitude:	-117.168439		
Location:	25415 Tradewinds DR		
Location(OSWCR):	25415 Tradewinds DR		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water		

Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1990-018458	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	ELLER WAY		
Location(OSWCR):	ELLER WAY		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1776-008981	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1948-001055	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR2001-011821	City(OSWCR):	None
City:		County(OSWCR):	Riverside

County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1948-001430	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1776-008984	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR2001-011817	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	ROMOLAND		
Location(OSWCR):	ROMOLAND		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1776-009096	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1948-001224	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1950-002106	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1951-002198	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301

Decimal Longitude: -117.16301
Location:
Location(OSWCR): None
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No: WCR1948-001429
City:
County: Riverside
Decimal Latitude: 33.75031
Decimal Longitude: -117.16301
Location: ROMOLAND, ANTELOPE RD
Location(OSWCR): ROMOLAND, ANTELOPE RD
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75031
Decim Long(OSWCR): -117.16301
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No: WCR1988-015801
City:
County: Riverside
Decimal Latitude: 33.75031
Decimal Longitude: -117.16301
Location: HWY 74, MARGARTH, MARIE ST
Location(OSWCR): HWY 74, MARGARTH, MARIE ST
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75031
Decim Long(OSWCR): -117.16301
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No: WCR1776-008985
City:
County: Riverside
Decimal Latitude: 33.75031
Decimal Longitude: -117.16301
Location:
Location(OSWCR): None
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75031
Decim Long(OSWCR): -117.16301
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1988-015800	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1948-001432	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	MENEFEE RD, MEPAS RD		
Location(OSWCR):	MENEFEE RD, MEPAS RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1948-001060	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	MENEFEE RD, MAPES RD		
Location(OSWCR):	MENEFEE RD, MAPES RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1950-002108	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			

Location(OSWCR): None
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No: WCR1950-002408
City:
County: Riverside
Decimal Latitude: 33.75031
Decimal Longitude: -117.16301
Location:
Location(OSWCR): None
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75031
Decim Long(OSWCR): -117.16301
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No: WCR1950-002107
City:
County: Riverside
Decimal Latitude: 33.75031
Decimal Longitude: -117.16301
Location:
Location(OSWCR): None
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75031
Decim Long(OSWCR): -117.16301
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No: WCR1776-009095
City:
County: Riverside
Decimal Latitude: 33.75031
Decimal Longitude: -117.16301
Location: Highway 74
Location(OSWCR): Highway 74
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75031
Decim Long(OSWCR): -117.16301
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

Wells and Additional Sources Detail Report

WCR No:	WCR2001-011820	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	ROMOLAND		
Location(OSWCR):	ROMOLAND		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1776-008979	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR2005-016836	City(OSWCR):	Perris
City:	Perris	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	Antelope Road & Watson Road		
Location(OSWCR):	Antelope Road & Watson Road		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1953-001821	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	MAPES RD, HWY 74, ANTELOPE RD		
Location(OSWCR):	MAPES RD, HWY 74, ANTELOPE RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water		

Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1948-001056	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	ANTELOPE RD		
Location(OSWCR):	ANTELOPE RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR2002-012976	City(OSWCR):	Homeland
City:	Homeland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	28781 Mapes Rd, Menifee Rd		
Location(OSWCR):	28781 Mapes Rd, Menifee Rd		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1951-002199	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	FIRST ST, ROMOLAND P.O.		
Location(OSWCR):	FIRST ST, ROMOLAND P.O.		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1776-009094	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside

County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR0089866	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1996-009239	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	28701 MAPES RD		
Location(OSWCR):	28701 MAPES RD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1776-009097	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1776-008980	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	Highway 74		
Location(OSWCR):	Highway 74		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR2001-011818	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:	Highway 74, ROMOLAND		
Location(OSWCR):	Highway 74, ROMOLAND		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR2001-011819	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No:	WCR1950-002409	City(OSWCR):	None
City:		County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301

Decimal Longitude: -117.16301
Location:
Location(OSWCR): None
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No: WCR1989-017548
City:
County: Riverside
Decimal Latitude: 33.75031
Decimal Longitude: -117.16301
Location: HWY 215, ANELOFE RD, MENEFFE RD, BLUE DI
Location(OSWCR): HWY 215, ANELOFE RD, MENEFFE RD, BLUE DI
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75031
Decim Long(OSWCR): -117.16301
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No: WCR1977-009454
City:
County: Riverside
Decimal Latitude: 33.75031
Decimal Longitude: -117.16301
Location: Scott Road
Location(OSWCR): Scott Road
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75031
Decim Long(OSWCR): -117.16301
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

WCR No: WCR1776-008982
City:
County: Riverside
Decimal Latitude: 33.75031
Decimal Longitude: -117.16301
Location:
Location(OSWCR): None
City(OSWCR): None
County(OSWCR): Riverside
Decimal Lat(OSWCR): 33.75031
Decim Long(OSWCR): -117.16301
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.76	4,035.89	1,482.56	WATER WELLS

Wells and Additional Sources Detail Report

WCR No:	WCR1776-008983	City(OSWCR):	Romoland
City:	Romoland	County(OSWCR):	Riverside
County:	Riverside	Decimal Lat(OSWCR):	33.75031
Decimal Latitude:	33.75031	Decim Long(OSWCR):	-117.16301
Decimal Longitude:	-117.16301		
Location:			
Location(OSWCR):	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	SE	0.79	4,194.51	1,448.48	WATER WELLS

WCR No:	WCR2021-006576	City(OSWCR):	
City:		County(OSWCR):	
County:	Riverside	Decimal Lat(OSWCR):	
Decimal Latitude:	33.728881	Decim Long(OSWCR):	
Decimal Longitude:	-117.163488		
Location:			
Location(OSWCR):			
Original Source:	California Department of Water Resources - Well Completion Reports		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *RIVERSIDE* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *RIVERSIDE* County

No Measures/Homes:	24
Geometric Mean:	0.3
Arithmetic Mean:	0.3
Median:	0.5
Standard Deviation:	0.8
Maximum:	1.7
% >4 pCi/L:	0
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Oil and Gas Wells — **OGW**

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of

Appendix

Oil, Gas and Geothermal Resources.

Periodic Groundwater Level Measurement Locations **MONITOR WELLS**

Locations of groundwater level monitoring wells in the Department of Water Resources (DWR)'s Periodic Groundwater Levels dataset. The DWR Periodic Groundwater Levels dataset contains seasonal and long-term groundwater level measurements collected by the Department of Water Resources and cooperating agencies.

Well Completion Reports **WATER WELLS**

List of wells from the Well Completion Reports data made available by the California Department of Water Resources' (DWR) Online System for Well Completion Reports (OSWCR). Please note that the majority of well completion reports have been spatially registered to the center of the 1x1 mile Public Land Survey System section that the well is located in.

Liability Notice

Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

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APPENDIX D: QUALIFICATIONS

PARTNER

PARTNER

Joseph Kim
Partner Associate

Education

M.S. Environmental Science, California State University at Fullerton, Fullerton, California
B.A. Environmental Analysis and Design, UC Irvine, Irvine, California, Cum Laude

Registrations

Nevada Certified Environmental Manager (CEM) #2463
Certified Hazardous Materials Manager (CHMM) #15308

Training

OSHA 40 Hour HAZWOPER
24 Hour EPA Asbestos Building Inspector

Highlights

18+ years performing Phase I, Phase II, Property Condition Assessments, Database Reviews, Peer Reviews, and other due diligence services
10+ years of project management experience

Experience Summary

Mr. Kim has worked in the environmental consulting industry since 2003 with a focus on Phase I and Phase II Environmental Site Assessments.

Mr. Kim's responsibilities have included project development, implementation, data collection, field oversight of various investigations (groundwater monitoring well installation/abandonment; air sparging; free product removal; asbestos, lead-based paint, and mold identification/abatement; remedial system installations, and air, soil, soil vapor, and groundwater sampling), client interactions, and management of various environmental projects. Mr. Kim has also managed and/or participated in hazardous wastes disposal, hazardous materials management, and storm water inspections. Mr. Kim has prepared more than 1,000 Phase I and II Environmental Site Assessments (ESAs) in multiple states. Additionally, Mr. Kim has provided quality assurance and quality control (QA/QC) of more than 7,000 Phase I ESAs and other environmental assessment reports for various lenders and agencies including FDIC, Fannie Mae, and Freddie Mac.

Project Experience

Newspaper Printing Plant, LA Times, Los Angeles, California – Identified historical use as a newspaper printing plant and the use of multiple underground storage tanks (USTs) as a historical recognized environmental condition (HREC).

Newspaper Printing Plant, Baltimore Sun, Baltimore, Maryland – Identified the historical use as a newspaper printing plant and the use of multiple USTs as an HREC.

Auto repair, Van Nuys, California – Identified the long-term use of the subject property as an auto repair shop as well as the presence of a wastewater clarifier as a REC and recommended additional actions. Mr. Kim subsequently oversaw the Phase II ESA activities.

Shopping Mall, Newhall, California – One of the tenants formerly operated as a dry-cleaning facility. Mr. Kim identified the historical use as a dry-cleaning facility as a REC and recommended additional actions for Phase I ESA activities.

Gas Station, 7-Eleven, Fullerton, California – Identified the historical use as a gas station facility as a REC and recommended additional actions for Phase I ESA activities.

Manufacturing Plant, Warehouse, City of Industry, California- Identified the historical use as a printed circuit boards manufacturing plant as a REC and recommended additional actions.

Former Aerospace / Defense Manufacturing Plant, Shopping Mall, Burbank, California – A nearby property was formerly occupied by Lockheed Martin as an aerospace/defense manufacturing plant. Regional groundwater contamination was found, which resulted in implementation of land use limitations at the subject property. Mr. Kim identified the residual contamination and the land use limitations as a CREC.

Publications

The Consequences of Incomplete Environmental Due Diligence, LinkedIn, March 10, 2016 (https://www.linkedin.com/pulse/consequences-incomplete-environmental-due-diligence-joseph-kim-chmm/). The article provides an overview of some of consequences of conducting an insufficient environmental due diligence and how to select a competent environmental due diligence consultant.

PARTNER

Caroline A. Ziegler, PG
Senior Project Manager

Education
MS, Geology, Texas A&M University, College Station, TX
BA, Geology, Trinity University, San Antonio, TX

Registrations
Professional Geologist: California, 2005, No. 7825

Training
29 CFR 1910.120 40-hour HAZWOPER, Hazard Communication, Safety Awareness, Project Delivery, Asbestos Awareness, and other project management related courses.

Highlights
35+ years of experience in environmental consulting and regulatory compliance
35+ years performing site inspections for determination of environmental regulatory compliance, site investigations in advance of environmental cleanups, sampling and analysis of contaminated soil and groundwater to determine impacts to human health and the environment, development of remedial action plans for site cleanups, negotiating cleanup requirements with federal, state and local environmental regulatory agencies, preparing reports that meet project specific documentation requirements, conducting Phase I and II Environmental Site Assessments
35+ years with commercial, industrial, residential and military sites

Experience Summary
Ms. Ziegler is a Senior Project Manager at the Partner Engineering and Science, Inc. (Partner) Dallas, Texas office currently managing Phase I and Phase II Environmental Site Assessments for various client types including financial institutions, real estate investors, developers, lenders, etc. She initially was an individual contributor in preparation of documentation on multiple Site Mitigation projects for Partner, including subsurface investigations and remediation, that involve regulatory agency requirements for approval.

Ms. Ziegler is an environmental professional experienced with managing projects for commercial, industrial, municipal and federal clients, including U.S. Environmental Protection Agency (USEPA) and U.S. Department of Defense. Ms. Ziegler has, during her career, served as an environmental compliance consultant, both for a large environmental consulting firm and as an independent. She has demonstrated her ability to define and map environmental project scopes, specifications, timelines, resources, and budgets. She has a keen ability to gain stakeholders acceptance from proposal stage through project closeout. Ms. Ziegler maintains her Professional Geologist license from the State of California and is working toward obtaining the same licensure in Texas.

Over the span of her career, Ms. Ziegler has managed the oversight of large, complex environmental remedial action projects for industrial clients and federal entities. Her areas of expertise include project management, soil and groundwater site investigations, remedial action oversight and environmental regulatory compliance under CERCLA, RCRA, and California state agencies, including the State Water Resources Control Board (SWRCB) and Department of Toxic Substances Control (DTSC). She was the leading senior project manager of the Western Region for conducting five-year reviews at sites undergoing remedial

actions that included operations and maintenance of groundwater treatment systems, soil vapor extraction, landfill gas and leachate collection, and soil removal and disposal.

Project Experience

Phase I Environmental Site Assessments. Project Manager, Senior Reviewer, and Assessor for numerous Phase I ESAs both nationally, and internationally, for various facility types including coal-fired power plants, manufacturing, industrial, commercial, and multi-family residential. Client types have included investors, developers, financial institutions, individuals, and real estate professionals.

Phase II Environmental Site Assessments. Project Manager and Senior Reviewer for multiple complicated subsurface investigations mostly focused throughout Southern California. The projects have involved coordinating geophysical, drilling and laboratory subcontractors, field staff, and permitting. Some of these investigations have required coordination with regulatory agencies including the California Regional Water Quality Control Board and the Department of Toxic Substance Control, as well as local agencies for permitting and other regulatory compliance requirements. These investigations have included soil, soil gas, groundwater, and indoor air sampling depending on the environmental issues identified.

Fannie Mae Multi-Scope Portfolio. Project Manager and Senior Reviewer for Phase I ESAs, PCAs and PMLs of transactions for multifamily apartment complexes throughout Southern California. The project involved coordinating three different scopes of specially qualified assessors to conduct site visits and prepare agency compliant reports.

Freddie Mac Multi-Scope Portfolio. Project Manager and Senior Reviewer for Phase I ESAs and PCAs of transactions for multifamily apartment complexes in Massachusetts. The project involved conversion of existing site documentation and development into agency compliant reports that included radon sampling and preparation of an aboveground storage tank (AST) Operations and Maintenance (O&M) Plan.

Alicia Towne Center, Mission Viejo, California. Ms. Ziegler prepared a site characterization workplan in response to a pending Voluntary Cleanup Agreement (VCA) with DTSC's Brownfields Restoration and School Evaluation Branch. Previous investigations have shown that the property has elevated concentrations of tetrachloroethene (PCE) and related compounds in soil and soil gas resulting from operations of former dry cleaners. The workplan proposes further investigation of chlorinated volatile organic constituents in the soil and soil gas to delineate the lateral and vertical extent and be prepared to propose remedial alternatives if necessary.

Allmark Plaza, Rancho Cucamonga, California. Ms. Ziegler prepared a revised Removal Action Workplan based on comments received from the DTSC's Brownfields Restoration and School Evaluation Branch. The workplan presents a scope of work to remove concentrations of tetrachloroethene (PCE) and related compounds identified in soil and soil gas on the property that resulted from operations of a former dry cleaner. The removal action workplan proposes installation of a soil vapor extraction (SVE) system.

Former Industrial Facilities, Los Angeles, California. Ms. Ziegler prepared both a soil management plan (SMP) and a soil excavation work plan. The purpose of the SMP is to outline protocol for ensuring the proper handling and/or disposal of impacted soil that may be encountered during future grading and/or other redevelopment activities. Specifically, the SMP includes a brief summary of the site history and potential chemicals of concern (COCs) and provides guidance for the following: identifying suspected impacted soil;

managing and stockpiling graded soil (e.g., dust control, stockpile maintenance); collecting and analyzing samples from stockpiled soil as necessary to establish waste classification; establishing specific threshold levels to evaluate whether excavated soil is suitable for reuse on-site; and handling and/or disposing of soil with confirmed impacts. The focused Arsenic Remedial Excavation Work Plan (Work Plan) was prepared as required by the Los Angeles County Fire Department's Site Mitigation Unit to remediate soils containing elevated concentrations of arsenic on the property.

Publications

"*Assessment of Human Exposure to Naturally Occurring (Unprocessed) Asbestos at the Clear Creek Management Area, California*." Suer, Lynn; Den, Arnold; Lane, Jackie; Stralka, Daniel; Brass, Brian; Moore, Timothy; Ross, Steve; Ziegler, Caroline; and Braun, Richard. Presented by USEPA at the GSA Cordilleran Section 101st Annual Meeting, April 2005.

Contact

cziegler@partneresi.com

PARTNER

Misty Vazquez Ponce, PE
Principal

Education

M.S. Civil-Environmental Engineering, California State University, Fullerton
B.S. Environmental Engineering, University of California, Riverside
Coursework in Legal and Regulatory Framework for Environmental Management, University of California Irvine
Coursework in Mold Inspection

Registrations

Professional Engineer, Colorado
Engineer-In Training (EIT), California
State of California Registered Environmental Assessor (program canceled in July 2012)
LEED Green Associate (GA) Accredited Professional, United States Green Building Council
AHERA Certified Building Inspector for Asbestos

Training

OSHA 40-hour HAZWOPER, Operations Level Health and Safety Training
OSHA 10-hour Construction Safety Training
Trained/Certified – Hazardous Waste in California, US Department of Transportation Hazardous Materials Transportation, and USEPA Hazardous/Toxic Waste management (LION)

Highlights

Over 16 years in the environmental and engineering consulting industry with institutional and private clients
Environmental Engineer
Extensive knowledge of real estate due diligence
Phase I and Phase II Environmental Site Assessments
Site Mitigation and Remediation

Experience Summary

Ms. Ponce is an environmental engineer with more than 16 years of experience in the environmental and engineering services industries. As a Principal and National Client Manager working within Partner's Investment Advisory Group, Ms. Ponce strives to provide the expected high level of client service for the Equity Asset Management industry.

Ms. Ponce has significant experience in the field of environmental due diligence, site assessment, remediation, and regulatory compliance. Ms. Ponce provides environmental support to clients nationwide during the acquisition, disposition, development, and on-going management and operation of commercial, industrial, and multifamily residential properties.

Ms. Ponce has considerable experience in Phase I and Phase II Environmental Site Assessments (ESAs) of commercial, agricultural, and industrial properties and projects involving water quality, soil quality, and regulatory compliance including hazardous and solid waste site characterization and remediation; remediation system design installation, and operation; tank removals; asbestos surveys; lead-based paint surveys; radon studies; mold assessments; lead-in water sampling and analysis; and technical reporting.

Ms. Ponce has been involved with feasibility and treatability studies associated with several remediation projects including soil and groundwater treatment systems, UST/LUST closures, and management of construction soils generated during redevelopment of agricultural and industrial properties. Other equity and finance level services managed and directed by Ms. Ponce include management of Property Condition Assessments, ALTA Land Surveys, zoning reports, Seismic Risk Assessments (PML), Construction Risk Management, construction monitoring services, and construction document cost review analysis.

Real estate investors, financial institutions, insurance lenders, property managers, developers, and brokers have come to rely on her advice and judgment to help them with their real estate business decisions. Ms. Ponce is a dedicated professional who takes pride and pleasure in meeting her client's needs and spearheading and assembling the team with the expertise to handle any issue that may come up during the real estate transaction.

Project Experience

Ms. Ponce has conducted, managed, and directed thousands of ESAs, industrial hygiene, and engineering assessments throughout her career, nationally and globally. The following select projects and client base provide a glimpse of her consulting experience and due diligence background:

Ford Leasing Development Company / Sunset Ford, Westminster, California. Conducted a Phase I and II ESA and remedial activities at a closing automobile dealership with 41 service bays containing active, decommissioned, or removed in-ground hydraulic vehicle lifts. The Phase II ESA identified petroleum hydrocarbon and VOC impacts in soil and groundwater in the immediate vicinity of the lifts. Based on the identified impacts, managed the removal of all lifts and contaminated soil under regulatory oversight and conducted a comprehensive site investigation, including well installation and soil, groundwater, and soil vapor sampling. Prepared and submitted final reports to the client and regulatory agencies and obtained regulatory site closure.

UBS Realty Investors, LLC, Riverside, California. Conducted a Phase I ESA of an approximately 36-acre commercial shopping center containing retail stores; restaurants; banks; grocery stores; a movie theater; hair, nail, and beauty salons; and a dry cleaner in a total of 16 buildings. Work included site reconnaissance, tenant inspections, site history review, database search, and final report preparation with recommendations for additional assessment.

USDA Forest Service, Mountain Center, California. Prepared a Soil Excavation and Groundwater Well Installation Workplan to assess a release that was discovered during the removal of two 1,000-gallon USTs. Elevated contaminant concentrations were detected in confirmation soil samples collected at that time. Installed one groundwater monitoring well into fractured bedrock and later abandoned the well due to planned excavation activities in the area. A groundwater sample collected prior to well abandonment contained elevated contaminant concentrations. Prepared a Site Investigation Summary Report summarizing site activities and investigations to date. Prepared a Groundwater Assessment Workplan to assess the extent of contaminant concentrations in groundwater. Site assessment work is pending.

American Golf Corporation, Eighteen Sites in Southern California. Managed underground storage tank removal and closure activities. Work included performing initial confirmation soil sampling and analysis and subsequent monitoring and soil and/or groundwater testing in association with the removal of the underground storage tanks, associated dispensers, and piping at sixteen sites located throughout Southern

California. Prepared soil and/or groundwater investigation workplans as needed to address contamination issues at several of the sites and closure reports for the various State and local authorities. To date, regulatory closure has been obtained at most of the facilities. Currently managing ongoing monitoring and/or remediation is occurring at several of the facilities.

G.E. Capital, Tijuana, Mexico. Managed and conducted more than 30 Phase I and Phase II ESAs for active and proposed industrial developments within various areas of Tijuana, Mexico. Work included site reconnaissance, site history review, and final report preparation.

Affiliations

Member, Commercial Real Estate Development Association (NAIOP)
Member, Urban Land Institute (ULI)
Member, National Ground Water Association (NGWA)
Associate Member, American Society of Civil Engineers (ASCE)
Member, Commercial Real Estate Women (CREW)
Member, Groundwater Resources Association (GRA) of California
Intern Environmental Engineer, American Academy of Environmental Engineers (AAEE)
Member, International Council of Shopping Centers (ICSC)

Contact

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