

**Appendix F:
Phase I Environmental Services Assessment**

draft

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Phase I Environmental Site Assessment

Proposed Retail Center

Seneca Road and Highway 395

Victorville, San Bernardino County, CA

February 14, 2020

Terracon Project No. CB207003



Prepared for:

3K1 Consulting Services, LLC

Phoenix, Arizona

Prepared by:

Terracon Consultants, Inc.

Colton, California

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

February 14, 2020



3K1 Consulting Services, LLC
11811 N Tatum Blvd Ste 1051
Phoenix, AZ 85028-1654

Attn: Mr. Michael Scarbrough
P: (602) 850-8101
E: mike@3k1consulting.com

Re: Phase I Environmental Site Assessment
Proposed Retail Center
Seneca Road and Highway 395
Victorville, San Bernardino County, California 92301
Terracon Project No. CB207003

Dear Mr. Scarbrough:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with Terracon Proposal No. PCB207003, dated January 13, 2020.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

A blue ink signature of Thomas C. Johnson.

Thomas C. Johnson
Field Geologist

A blue ink signature of Todd G. McFarland.

Todd G. McFarland, PG #7685, CHG #979
Senior Geologist / Department Manager I

A blue ink signature of Carl A. Parten.

Carl A. Parten
Senior Principal / Office Manager III

Attachments

Terracon Consultants Inc. 1355 E Cooley Drive Colton, CA 92324-3954

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TABLE OF CONTENTS

	Page No.
EXECUTIVE SUMMARY	i
Findings and Opinions	i
Significant Data Gaps	ii
Conclusions	ii
Recommendations	ii
1.0 INTRODUCTION	1
1.1 Site Description	1
1.2 Scope of Services.....	1
1.3 Standard of Care	2
1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps.....	2
1.5 Reliance.....	3
1.6 Client Provided Information.....	3
2.0 PHYSICAL SETTING	4
3.0 HISTORICAL USE INFORMATION	5
3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps.....	5
3.2 Historical City Directories.....	6
3.3 Site Ownership	7
3.4 Title Search.....	7
3.5 Environmental Liens and Activity and Use Limitations	7
3.6 Interviews Regarding Current and Historical Site Uses.....	7
3.7 Prior Report Review	8
4.0 RECORDS REVIEW	8
4.1 Federal and State/Tribal Databases.....	8
4.2 Local Agency Inquiries.....	10
4.3 Local Area Knowledge.....	11
5.0 SITE RECONNAISSANCE	11
5.1 General Site Information.....	11
5.2 Overview of Current Site Occupants and Operations	12
5.3 Site Observations	12
6.0 ADJOINING PROPERTY RECONNAISSANCE	14
7.0 ADDITIONAL SERVICES	14
8.0 DECLARATION	15

TABLE OF CONTENTS (continued)

APPENDICES

APPENDIX A	Exhibit 1 - Topographic Map, Exhibit 2 - Site Diagram
APPENDIX B	Site Photographs
APPENDIX C	Historical Documentation and User Questionnaire
APPENDIX D	Environmental Database Information
APPENDIX E	Credentials
APPENDIX F	Description of Terms and Acronyms

EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. PCB207003, dated January 13, 2020, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Carl A. Parten, Environmental Professional. Kirby B. Roucher performed the site reconnaissance on January 22, 2020.

Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located southwest of the intersection of U.S. Highway 395 and Seneca Road, in Victorville, San Bernardino County, California, and consists of an approximately 8.3-acre, vacant parcel (APN: 310-351-105) with utility poles running along the eastern site boundary. During the Site reconnaissance, the Site was observed to be unoccupied.

Historical Information

Based on a review of historical information, the site has consisted of vacant undeveloped land from at least 1932 through the present.

The adjoining properties consisted largely of undeveloped land, with U.S. Highway 395 to the adjoining east and a single-family residence to the adjoining northeast, from at least 1932. By 1953, the adjoining property to the northeast was developed with 5 additional homes, while an apparent mobile home park and single-family residence was developed on the northern adjoining property by 1968. By 2005, the single-family residence on the northeastern adjoining property had been demolished and Seneca Road paved with asphalt. By 2009, structures on the northern and northeastern adjacent properties had been demolished, and the land has remained relatively unchanged through the present. RECs associated with the site were not identified through a review of available historical resources.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was not identified in the current regulatory databases, and the remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, depth to groundwater, and/or distance from the site.

Site Reconnaissance

During the Site reconnaissance, minor amounts of miscellaneous household trash (plastic shopping bags, food wrappers, paper drinking cups, alcohol bottles, wood, furniture, and carpet) were observed scattered throughout the southwest portion of the site. Based on visual observations of the miscellaneous trash, no indications of RECs were observed at the time of the Site reconnaissance.

Significant Data Gaps

Significant data gaps were not identified.

Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 on property located Southeast of Intersection of Ramona Expressway and North Perris Boulevard, Perris, Riverside County, California, the site. Recognized Environmental Conditions (RECs) or Controlled RECs (CREC) were not identified in connection with the site.

Recommendations

Based on the scope of services, limitations, and conclusions of this assessment, Terracon did not identify RECs or CRECs. As such, no additional investigation is warranted at this time.

1.0 INTRODUCTION

1.1 Site Description

Site Name	Proposed Retail Center
Site Location/Address	Seneca Road and Highway 395, Victorville, San Bernardino County, California 92301
Land Area	Approximately 8.3-acres
Site Improvements	None
Anticipated Future Site Use	Redevelopment for commercial use
Purpose of the ESA	Acquiring the site

The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the Adelanto, California USGS 7.5-minute series topographic map. The site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

1.2 Scope of Services

This Phase I ESA was performed in accordance with Terracon Proposal No. PCB207003 dated January 13, 2020 and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

ASTM E1527-13 contains a new definition of "migrate/migration," which refers to "the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." By including this explicit reference to migration in ASTM E1527-13, the Standard clarifies that the potential for vapor migration should be addressed as part of a Phase I ESA. This Phase I ESA has considered vapor migration in evaluation of RECs associated with the site.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services,

regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of 3K1 Consulting Services, LLC. Use or reliance by any other party is prohibited without the written authorization of 3K1 Consulting Services, LLC and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Agreement for Services. The limitation of liability defined in the Agreement for Services is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-13.

1.6 Client Provided Information

Prior to the site visit, Michael Scarbrough, client's representative, was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.			X
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.			X

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.			X
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.			X
Obvious Indicators of Contamination at the site.			X

Terracon's consideration of the client provided information did not identify RECs. A copy of the questionnaire is included in Appendix C.

2.0 PHYSICAL SETTING

Physical Setting Information		Source
Topography		
Site Elevation	Approximately 3,100 feet above sea level	See Exhibit 1 in Appendix A – Adelanto, California (2012) USGS Topographic Map Google Map Data (2019), www.google.com/maps
Topographic Gradient	Gently sloping toward the northeast	
Closest Surface Water	Unnamed drainage channel located approximately 1.2 miles to the northeast of the site.	
Soil Characteristics		
Soil Type	Cajon Sand	Soil Survey of San Bernardino County, Mojave River Area, California (CA671); United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS); issued 2019. https://websoilsurvey.sc.egov.usda.gov
Description	Very deep, somewhat excessively drained soils with negligible to low runoff, and rapid permeability.	
Geology/Hydrogeology		
Formation	Quaternary alluvium	Preliminary Geologic Map of the Victorville quadrangles, San Bernardino County, California, 1960 (Dibblee, T.W.) https://ngmdb.usgs.gov/mapview/
Description	Alluvial silt, sand, and gravel derived from adjacent higher ground.	
Estimated Depth to First	<u>Site</u> : Unknown, no data.	California Department of Water Resources, Water Data Library,

Physical Setting Information	Source
Occurrence of Groundwater	Well ID:345077N1173984W001 http://wdl.water.ca.gov/waterdatalibrary/groundwater/
*Hydrogeologic Gradient	May be inferred to be parallel to topographic gradient (primarily to the northeast).

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps

Readily available historical USGS topographic maps, selected historical aerial photographs (at approximately 10 to 15-year intervals) and historical fire insurance maps produced by the Sanborn Map Company were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps, aerial photographs and Sanborn maps are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps were not available for the site.

- Topographic map:
 - Barstow, California, published in **1932** and **1934** (1:125,000)
 - Adelanto, California, photo revised in 1956 from **1952** aerial photographs, photo revised in 1968 from **1968** aerial photographs, photo revised in 1980 from **1978** aerial photographs, photo revised in 1993 from **1989** aerial photographs, and **2012** (1:24,000)
 - Victorville, California, photo revised in 1956 from **1952** aerial photographs, photo revised in 1968 from **1968** aerial photographs, photo revised in 1981 from **1978** aerial photographs, and **2012** (1:24,000)
 - Baldy Mesa, California, photo revised in 1956 from **1952** aerial photographs, photo revised in 1968 from **1968** aerial photographs, photo

- revised in 1980 from **1978** aerial photographs, photo revised in 1988 from **1985** aerial photographs, and **2012** (1:24,000)
- Hesperia, California, photo revised in 1956 from **1952** aerial photographs, photo revised in 1968 from **1968** aerial photographs, photo revised in 1980 from **1978** aerial photographs, photo revised in 1993 from **1989** aerial photographs, and **2012** (1:24,000)
- Aerial photograph:
 - USDA, **1953, 1959, 1968, and 1985** 1" =500'
 - USGS, **1975** 1" =500'
 - USGS/DOQQ, **1994** 1" =500'
 - USDA/NAIP, **2005, 2009, 2012, and 2016**, 1" =500'

Historical Maps and Aerial Photographs

Direction	Description
Site	Vacant undeveloped land (1932-1975); apparent dirt trail (1985-2016).
North	Vacant undeveloped land (1932-1956); apparent dirt road (1959); structure constructed on northeast portion and apparent mobile home park developed (1968); structure constructed on north portion of the park (1994); northeast structure demolished (2005); all structures demolished and lot graded (2009-2016).
East	Highway 395, Seneca road, and a single-family residence to the northeast followed by vacant undeveloped land (1932-1934); 5 structures developed on the northeast lot (1953); single-family home demolished (2005); all structures demolished (2009).
South	Vacant undeveloped land (1932-2016);
West	Vacant undeveloped land (1932-2016);

3.2 Historical City Directories

The EDR Digital Archive, Luskey, and Haines Criss-Cross city directories used in this study were made available through EDR (selected years reviewed: 1964 through 2014) and were reviewed at approximate five-year intervals, if readily available. Street listings not available prior to 1964. The current street address for the Site was not identified.

Historical City Directories

Direction	Description
Site	No address listed (1964-2014).
North	14511 US Highway 395- No listings (1964-2014).
East	14513 US Highway 395- No listings (1964) residential listings (1974-1995); no listings (2000-2014).
South	No address listed (1964-2014).
West	No address listed (1964-2014).

3.3 Site Ownership

Based on a review of information obtained from the San Bernardino County Assessor's Office online database at <http://www.sbcounty.gov/ARC/Main/Assessor/PropertyInformation.aspx>, the site, located southwest of U.S. Highway 395 and Seneca Road, in Victorville, San Bernardino County, California, consists of an approximately 18.5-acre parcel identified by APN: 3103-511-05-0000 currently owned by Adelanto Seneca Land LLC.

3.4 Title Search

At the direction of the client, a title search was/was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.5 Environmental Liens and Activity and Use Limitations

The EDR regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.6 Interviews Regarding Current and Historical Site Uses

The following individuals were interviewed regarding the current and historical use of the site.

Interviews

Interviewer	Name / Phone # / Email	Title	Date/Time
Thomas C. Johnson	Brian Bush / 909-373-2629 / bbush@diversifiedpacific.com	Director of Acquisitions	February 4, 2020

Terracon interviewed Mr. Brian Bush, Director of Acquisitions for Diversified Pacific, via email. Mr. Bush indicated that they have been familiar with the site since February 16, 2010, when Adelanto Seneca Land, LLC (the current owner) took the title to the property from Gascon Group, LLC (the previous owner). Mr. Bush indicated that he was not aware of any current or previous structures on site, and that to the best of his knowledge there were no current or former septic tanks, wells, traps, pipelines, or USTs on site. Additionally, Mr. Bush reported he was not aware of any pending or past environmental litigations, violations, or liabilities associated with the site.

3.7 Prior Report Review

Terracon requested the client provide any previous environmental or geotechnical reports they are aware of for the site. Previous reports were not provided by the client to Terracon for review.

4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. The scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal Databases

Database	Description	Distance (miles)	Listings
ABANDONED MINES	Abandoned Mines	0.25	0
CERCLIS	Comprehensive Environmental Response, Compensation, & Liability Information System	0.5	0
CERCLIS / NFRAP	Comprehensive Environmental Response, Compensation, & Liability Information System/No Further Remedial Action Planned	0.5	0
ECHO	Enforcement & Compliance History Information	TP	0
EDR Hist Auto	EDR Exclusive Historical Auto Stations	0.125	0
ERNS	Emergency Response Notification System	Site	0
FINDS	Facility Index System/Facility Registry System	Site	0
FUDS	Formerly Used Defense Sites	1.0	0

Database	Description	Distance (miles)	Listings
HMIRS	Hazardous Materials Information Reporting System	Site	0
NPL	National Priorities List	1	0
NPL (Delisted)	National Priorities Delisted List	0.5	0
RCRA CORRACTS/ TSD	RCRA Corrective Action Activity	1	0
RCRA Generators	Resource Conservation and Recovery Act	0.25	0
RCRA-LQG	RCRA – Large Quantity Generators	0.25	0
RCRA-SQG	RCRA – Small Quantity Generators	0.25	0
RCRA Non-CORRACTS/ TSD	RCRA Non-Corrective Action Activity	0.5	0
RCRA NonGen / NLR	RCRA – Non-Generators / No Longer Regulated	0.25	3
SEMS	Superfund Enterprise Management System	0.50	0
US MINES	Mines Master Index File	0.25	0

State/Tribal Databases

Database	Description	Distance (miles)	Listings
AOCONCERN	San Gabriel Valleys Area of Concern	1.0	0
AST	Aboveground Petroleum Storage Tank Facilities	0.25	0
CA FID UST	Facility Inventory Database	0.25	0
CALSITES	CalSites Database	1	0
CALSITES (AWP)	Active Annual Workplan Sites	1	0
CERS	CalEPA Regulated Site Portal Data	Site	0
CERS HAZ WASTE	California Environmental Reporting System (CERS) HAZ WASTE	0.25	3
CERS TANKS	California Environmental Reporting System (CERS) Tanks	0.25	1
CIWQS	California Integrated Water Quality System	Site	0
CORTESE	“Cortese” Hazardous Waste & Substances Sites List	0.5	0
CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	0.5	0
EMI	Emissions Inventory Data	Site	0
ENF	Enforcement Action Listing	Site	0
ENVIROSTOR	Envirostor Database	1.0	1
Financial Assurance	Financial Assurance Information Listing	Site	0

Database	Description	Distance (miles)	Listings
HAZNET	Facility and Manifest Data	Site	0
HIST Cal-Sites	Calsites Database	1.0	0
HIST CORTESE	Hazardous Waste & Substance Site List	0.5	0
HIST UST	Hazardous Substance Storage Container Database	0.25	0
HWP	EnviroStor Permitted Facilities Listing	1.0	0
ICE	ICE	Site	0
LUST	Leaking Underground Storage Tanks	0.5	0
MINES	Mines Site Location Listing	0.25	0
NOTIFY 65	Proposition 65 Records	1.0	0
NPDES	NPDES Permit Listing	Site	0
RESPONSE	State Response Sites	1.0	0
SWEEPS UST	SWEEPS UST Listing	0.25	0
SWF/LF	Solid Waste Facilities/Landfills	0.5	0
UST	Underground Storage Tank Facilities	0.25	1
WDS	Waste Discharge System	Site	0
WIP	Well Investigation Program Case List	0.25	0
WMUDS/SWAT	Waste Management Unit Database	0.50	0
VCP	Voluntary Cleanup Program	0.5	0

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The site was not identified in the current regulatory databases, and the remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report did not list facilities in the unmapped section.

4.2 Local Agency Inquiries

Agency Contacted/ Contact Method	Response
San Bernardino County Public Health Department (EHS) / Fax: (909) 387-4323	According to Ms. Jeanne Hammer, OAIH for SBCPHD, no records were found for the site.

Agency Contacted/ Contact Method	Response
Department of Toxic Substances Control (DTSC)/ Email: pubreqact@dtsc.ca.gov ; DTSC EnvironStor Database, www.environstor.dtsc.ca.gov . DTSC Hazardous Waste (HWTS) Tracking System online: www.hwts.dtsc.ca.gov .	According to Ms. Andrea Drushell, DTSC Regional Records Coordinator, no records were found associated with the site, because they are unable to search database using APNs. Additionally, based on a review of the DTSC online HWTS and EnviroStor databases, no records were found associated with the site.
Mojave Desert Air Quality Management District / Online: www.aqmd.ca.gov	MDAQMD is unable to search database using APNs.
Lahontan Regional Water Quality Control Board (RWQCB) / Email: filereview6@waterboards.ca.gov	LRWQCB is unable to search database using APNs.
Victorville City Clerk Online:	At the issuance of this report, a response from the City Clerk had not been received.

4.3 Local Area Knowledge

Based on a review of the California Department of Conservation, Geologic Energy Management Division (CalGEM) (<https://www.conservation.ca.gov/calgem/Pages/wellfinder.aspx>), there are no active or plugged oil production wells located at the Site or adjoining properties.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. The site and adjoining properties are depicted on the Site Diagram, which is included in Exhibit 2 of Appendix A. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

General Site Information

Site Reconnaissance	
Field Personnel	Kirby B. Roucher
Reconnaissance Date	January 24, 2020
Weather Conditions	Sunny / 60°F
Site Contact/Title	Albert Lopez / Relator

5.2 Overview of Current Site Occupants and Operations

The site is located southwest of the intersection of U.S. Highway 395 and Seneca Road, in Victorville, San Bernardino County, California, and consists of an approximately 8.3-acre, vacant parcel (APN: 310-351-105) with utility poles running along the eastern site boundary. During the site reconnaissance, the site was observed to be unoccupied.

5.3 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an “X”) are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	
	Paint booths	
	Sub-grade mechanic pits	
	Wash-down areas or carwashes	
	Pesticide/herbicide production or storage	
	Printing operations	
Metal finishing (e.g., electroplating, chrome plating, galvanizing, etc.)		

Category	Item or Feature	Observed or Identified
	Salvage operations	
	Oil, gas or mineral production	
	Other processes or equipment	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	
	Drums, barrels and/or containers ≥ 5 gallons	
	MSDS or SDS	
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, French drains, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators, clarifiers, sand traps, triple traps, interceptors	
	Pipeline markers	
	Interior floor drains	
Electrical Transformers/ PCBs	Transformers and/or capacitors	
	Other equipment	
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free- floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wastewater lagoons	
	Wells	

Releases or Potential Releases

Trash, debris and/or other waste materials

Minor amounts of miscellaneous household trash (plastic shopping bags, food wrappers, paper drinking cups, alcohol bottles, wood, furniture, and carpet) were observed scattered throughout the southwest portion of the site. Based on visual observations at that time, the trash did not appear to be hazardous in nature. No evidence of chemical waste disposal, noxious odors, or other indications of releases were observed near the vicinity of the trash. Based on visual observations, the household trash does not constitute a REC to the site.

6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	Seneca Road followed by vacant land.
East	U.S. Highway 395 followed by vacant land.
South	Vacant undeveloped land.
West	Vacant undeveloped land.

RECs were not observed with the adjoining properties.

7.0 ADDITIONAL SERVICES

Per the agreed scope of services specified in the proposal, additional services (e.g. asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, vapor encroachment screening, etc.) were not conducted.

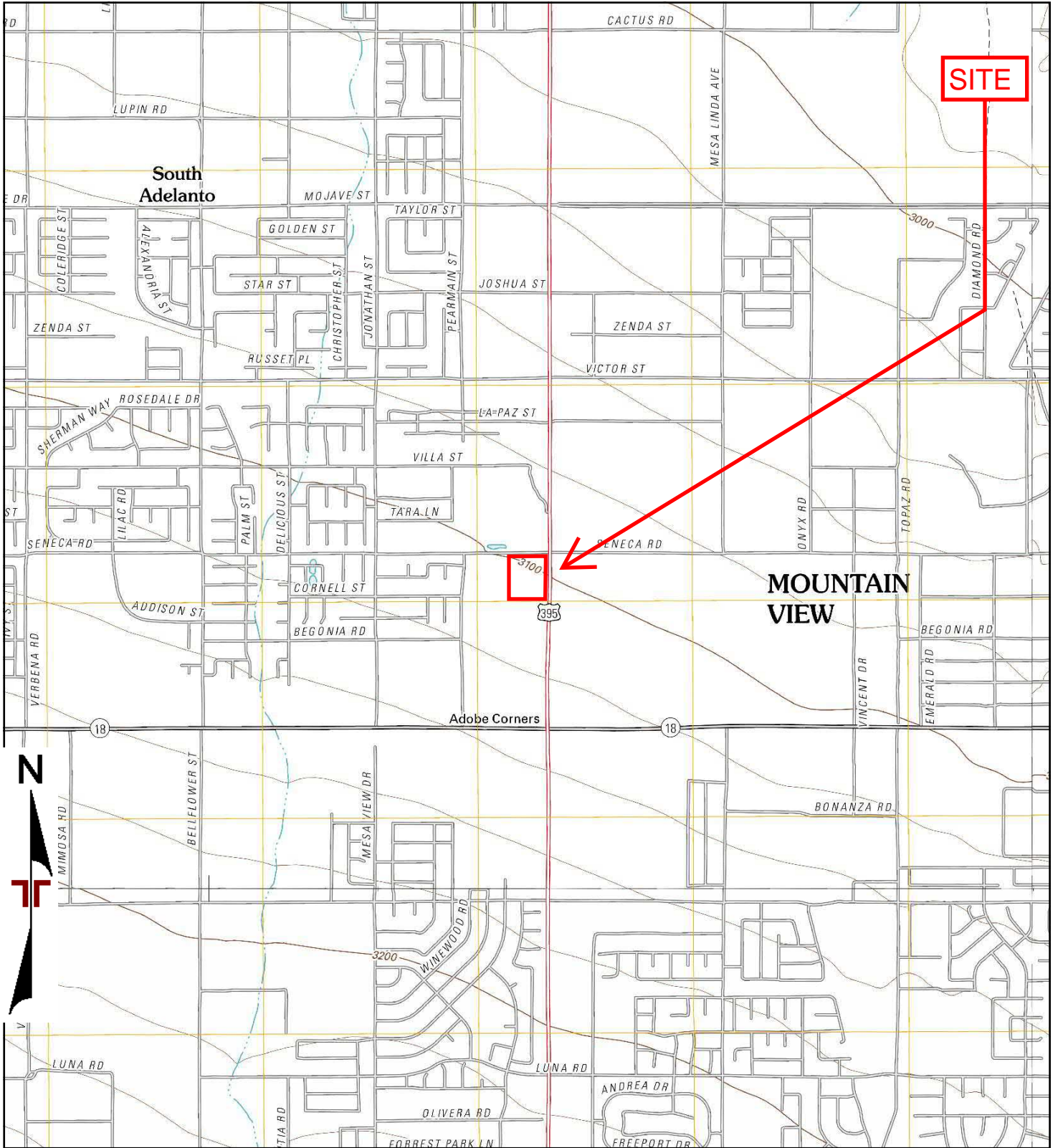
8.0 DECLARATION

I, Carl A. Parten, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

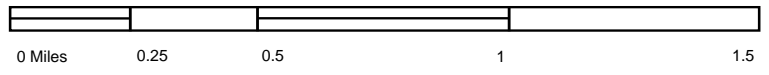


Carl A. Parten
Senior Principal / Office Manager III

APPENDIX A
EXHIBIT 1 – TOPOGRAPHIC MAP
EXHIBIT 2 – SITE DIAGRAM



TP, Adelanto, 2012, 7.5-minute
 NE, Victorville, 2012, 7.5-minute
 SE, Hesperia, 2012, 7.5-minute
 S, Baldy Mesa, 2012, 7.5-minute



Project Manager:	Project No.
TGM	CB207003
Drawn by:	Scale:
TCJ	As Shown
Checked by:	File Name:
TCM	N/A
Approved by:	Date:
CAP	2012

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 Colton, CA 92324

2012 TOPOGRAPHIC MAP
Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Exhibit
1



VACANT LOT
(14511 US HIGHWAY 395)

VACANT LOT
(14513 US HIGHWAY 395)

SENECA ROAD

VACANT LOT
(ADDRESS NOT REPORTED)

SITE

ESTIMATED
GROUNDWATER
FLOW

US HIGHWAY 395

PEARMAN STREET



0 250

APPROXIMATE SCALE
(FT)

AERIAL PHOTOGRAPHY PROVIDED BY
MICROSOFT BING MAPS

DIAGRAM IS FOR GENERAL LOCATION ONLY,
AND IS NOT INTENDED FOR CONSTRUCTION
PURPOSES

Project Manager: TGM
Drawn by: TCJ
Checked by: TGM
Approved by: CAP

Project No. CB207003
Scale: AS SHOWN
File Name: N/A
Date: 1/22/2020

Terracon

1355 E Cooley Dr, Ste C
Colton, CA 92324-3954

SITE DIAGRAM

Proposed Retail Center
Seneca Rd and Hwy 395
Victorville, San Bernardino County, CA

Exhibit

2

APPENDIX B
SITE PHOTOGRAPHS



Photo #1 North facing view of the site from the southern site boundary.



Photo #2 East facing view of the site from the western site boundary.



Photo #3 South facing view of the site from the northern site boundary.



Photo #4 West facing view of the site from the eastern site boundary.



Photo #5 Southeast facing view of household trash on site.



Photo #6 North facing view of Seneca Road and the north adjoining property.



Photo #7 East facing view of U.S. Highway 395 followed by the adjoining vacant tract.



Photo #8 South facing view of the southern adjoining vacant tract.



Photo #9 West facing view of the western adjoining vacant parent tract.

APPENDIX C
HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

Proposed Retail Center

Southwest Corner Highway 395 / Seneca Road

Victorville, San Bernardino County, CA 92301

Inquiry Number: 5941439.4

January 21, 2020

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

01/21/20

Site Name:

Proposed Retail Center
Southwest Corner Highway 395 / Seneca Road
Adelanto, CA 92301
EDR Inquiry # 5941439.4

Client Name:

Terracon Consultants, Inc.
1355 E Cooley Drive, Suite C
Colton, CA 92324
Contact: Thomas C. Johnson



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Terracon Consultants, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

Coordinates:

P.O.#	NA	Latitude:	34.513097 34° 30' 47" North
Project:	CB207003	Longitude:	-117.400529 -117° 24' 2" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	463235.78
		UTM Y Meters:	3819122.35
		Elevation:	3102.32' above sea level

Maps Provided:

2012
1988, 1993
1980, 1981
1968
1956
1934
1932

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Topo Sheet Key

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

2012 Source Sheets



Hesperia
2012
7.5-minute, 24000



Baldy Mesa
2012
7.5-minute, 24000



Victorville
2012
7.5-minute, 24000

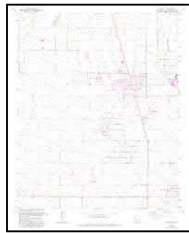


Adelanto
2012
7.5-minute, 24000

1988, 1993 Source Sheets



Baldy Mesa
1988
7.5-minute, 24000
Aerial Photo Revised 1985



Adelanto
1993
7.5-minute, 24000
Aerial Photo Revised 1989



Victorville
1993
7.5-minute, 24000
Aerial Photo Revised 1989

1980, 1981 Source Sheets



Baldy Mesa
1980
7.5-minute, 24000
Aerial Photo Revised 1952



Hesperia
1980
7.5-minute, 24000
Aerial Photo Revised 1978

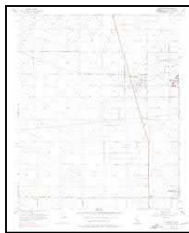


Adelanto
1980
7.5-minute, 24000
Aerial Photo Revised 1978



Victorville
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1968 Source Sheets



Adelanto
1968
7.5-minute, 24000
Aerial Photo Revised 1968



Hesperia
1968
7.5-minute, 24000
Aerial Photo Revised 1968



Victorville
1968
7.5-minute, 24000
Aerial Photo Revised 1968



Baldy Mesa
1968
7.5-minute, 24000
Aerial Photo Revised 1968

Topo Sheet Key

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

1956 Source Sheets



Adelanto
1956
7.5-minute, 24000
Aerial Photo Revised 1952



Victorville
1956
7.5-minute, 24000
Aerial Photo Revised 1952



Hesperia
1956
7.5-minute, 24000
Aerial Photo Revised 1952



Baldy Mesa
1956
7.5-minute, 24000
Aerial Photo Revised 1952

1934 Source Sheets

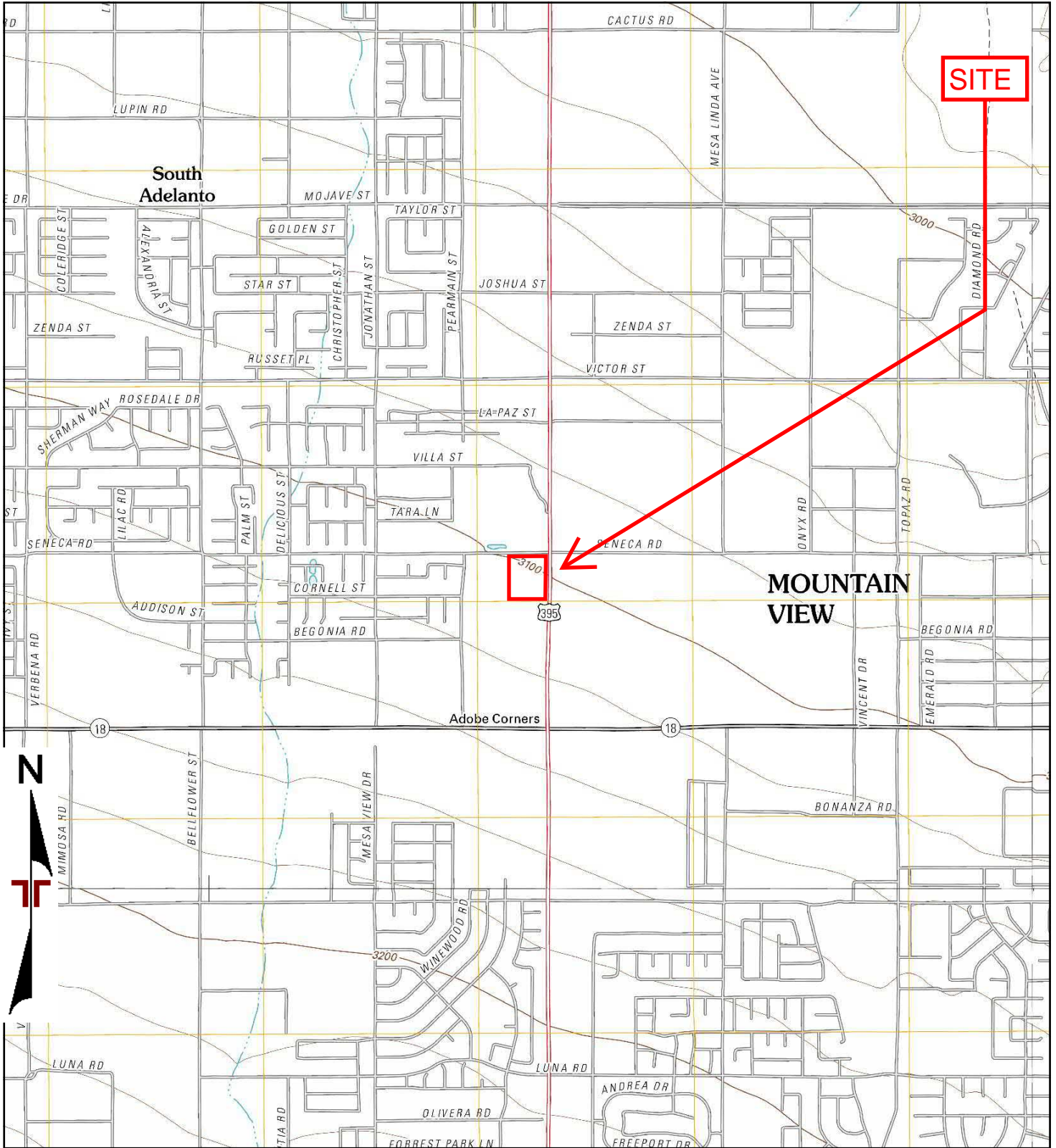


Barstow
1934
30-minute, 125000

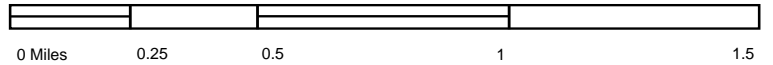
1932 Source Sheets



Barstow
1932
30-minute, 125000



TP, Adelanto, 2012, 7.5-minute
 NE, Victorville, 2012, 7.5-minute
 SE, Hesperia, 2012, 7.5-minute
 S, Baldy Mesa, 2012, 7.5-minute

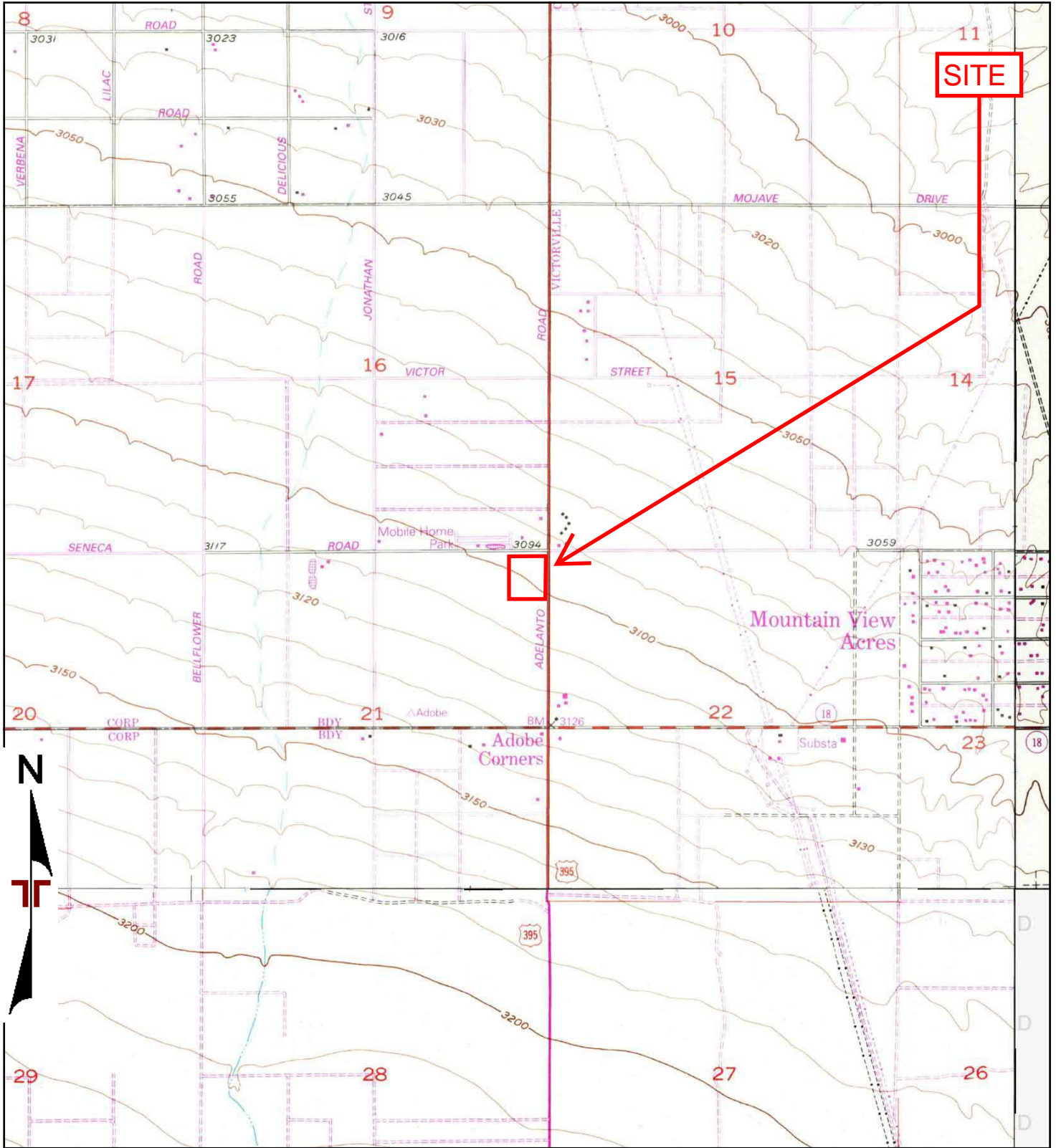


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Drawn by:	Scale:
TCJ	As Shown
Checked by:	File Name:
TCM	N/A
Approved by:	Date:
CAP	2012

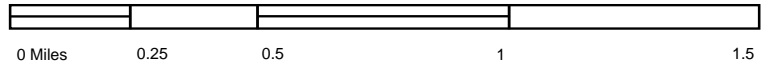
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 Colton, CA 92324

2012 TOPOGRAPHIC MAP
Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



TP, Adelanto, 1993, 7.5-minute
 NE, Victorville, 1993, 7.5-minute
 S, Baldy Mesa, 1988, 7.5-minute



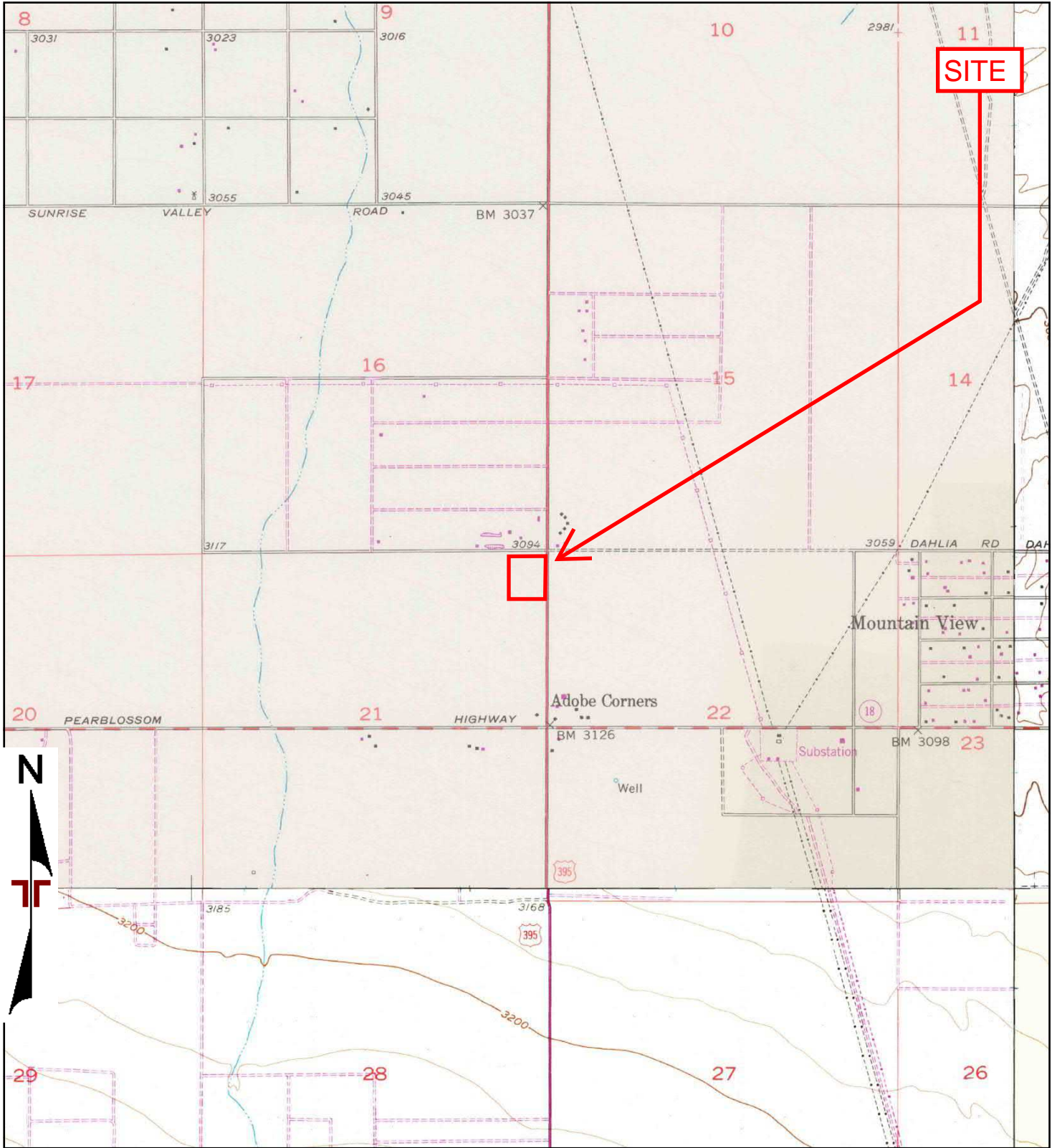
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TGM	CB207003
Drawn by:	Scale:
TCJ	As Shown
Checked by:	File Name:
TCM	N/A
Approved by:	Date:
CAP	1988, 1993

Terracon

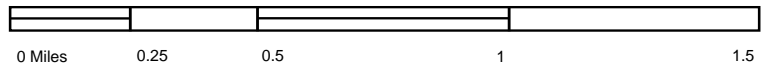
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1988, 1993 TOPOGRAPHIC MAP
Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



TP, Adelanto, 1980, 7.5-minute
 NE, Victorville, 1981, 7.5-minute
 SE, Hesperia, 1980, 7.5-minute
 S, Baldy Mesa, 1980, 7.5-minute

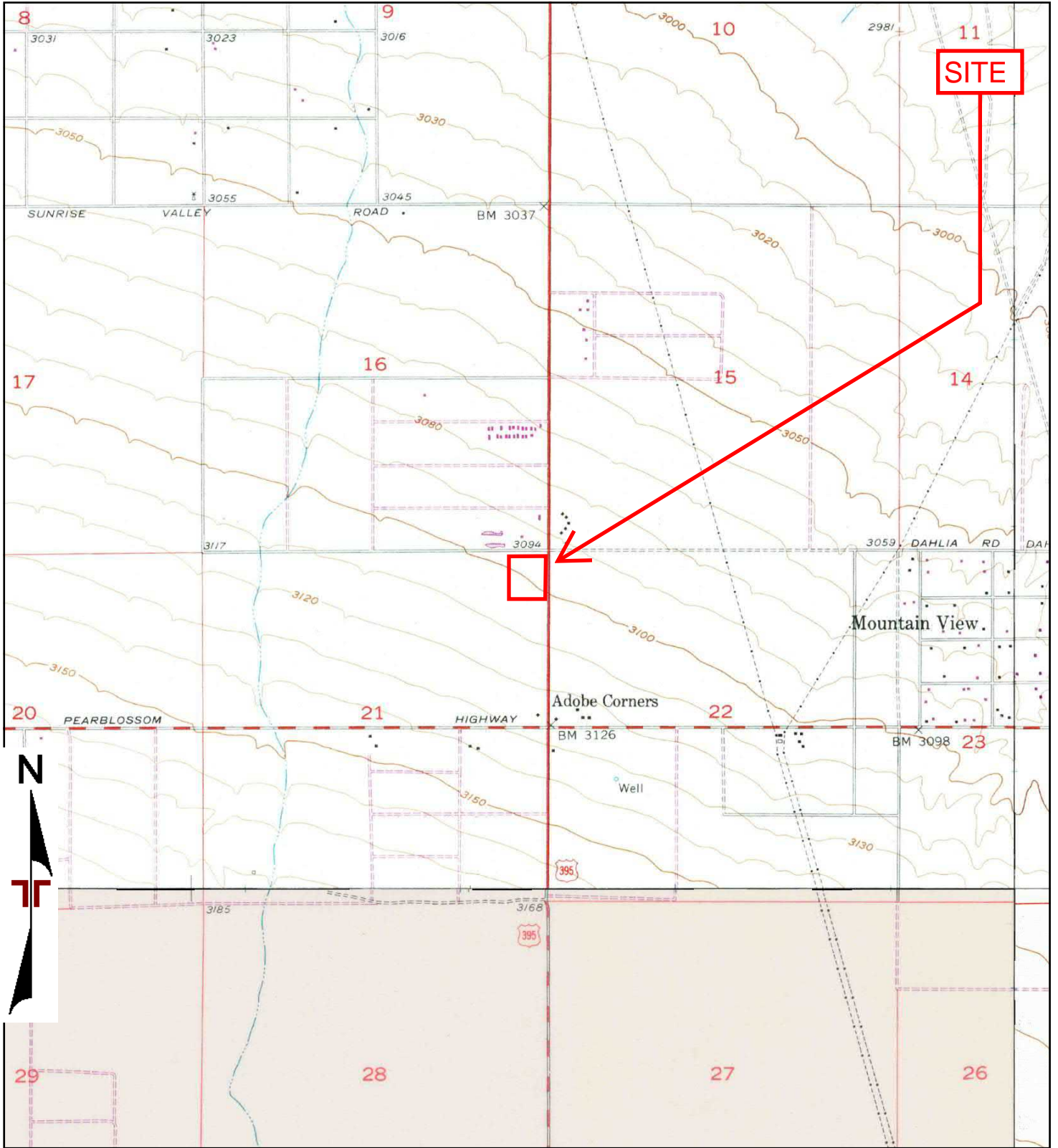


Project Manager:	TGM	Project No.:	CB207003
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Approved by:	CAP	Date:	1980, 1981

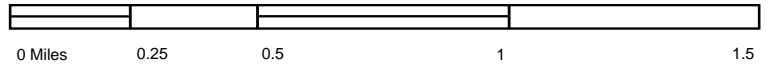
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 Colton, CA 92324

1980, 1981 TOPOGRAPHIC MAP
Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



TP, Adelanto, 1968, 7.5-minute
 NE, Victorville, 1968, 7.5-minute
 SE, Hesperia, 1968, 7.5-minute
 S, Baldy Mesa, 1968, 7.5-minute

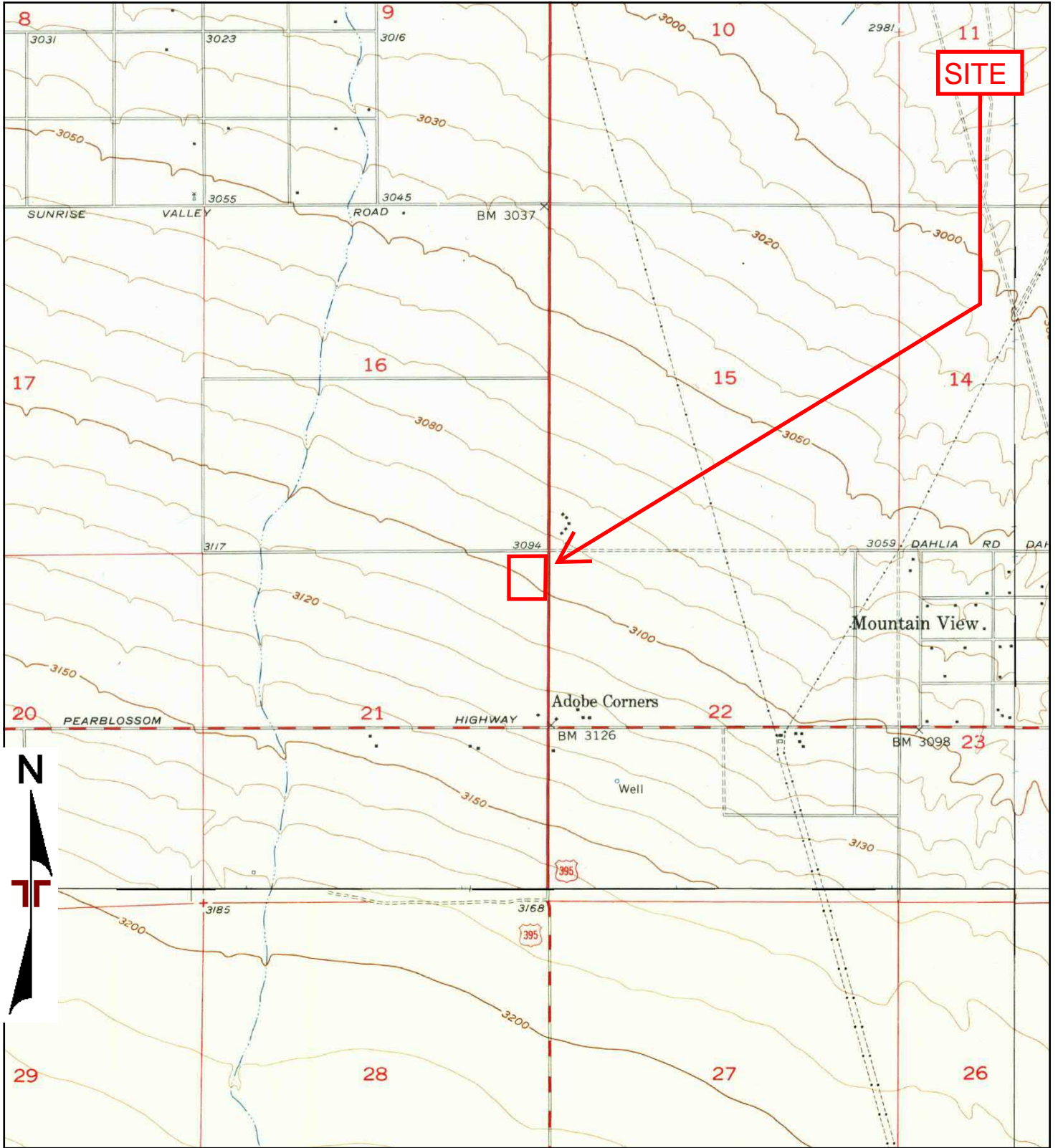


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Checked by:	TCM	File Name:	N/A
Approved by:	CAP	Date:	1968

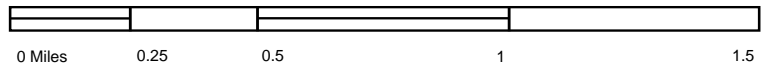
Terracon
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 Colton, CA 92324

1968 TOPOGRAPHIC MAP
Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



TP, Adelanto, 1956, 7.5-minute
 NE, Victorville, 1956, 7.5-minute
 SE, Hesperia, 1956, 7.5-minute
 S, Baldy Mesa, 1956, 7.5-minute

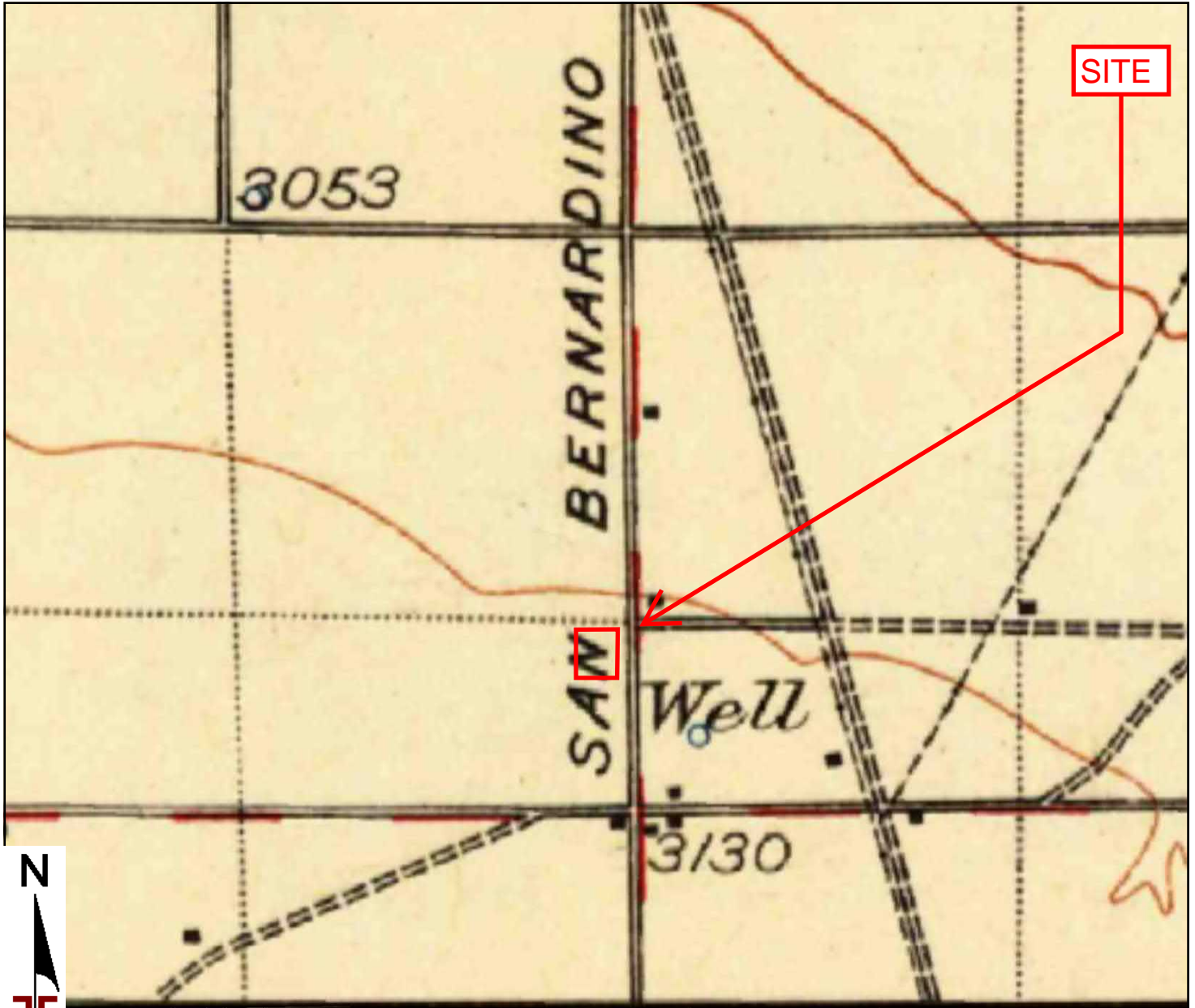


Project Manager:	Project No.
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TCM	N/A
Approved by:	Date:
CAP	1956

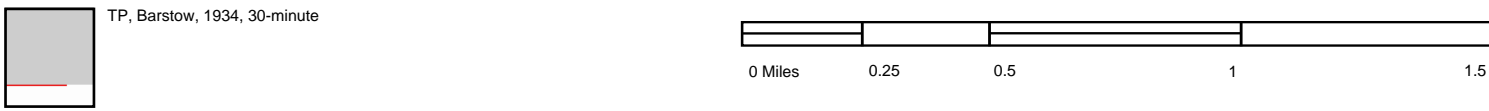
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 Colton, CA 92324

1956 TOPOGRAPHIC MAP
Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED
UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED
UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED

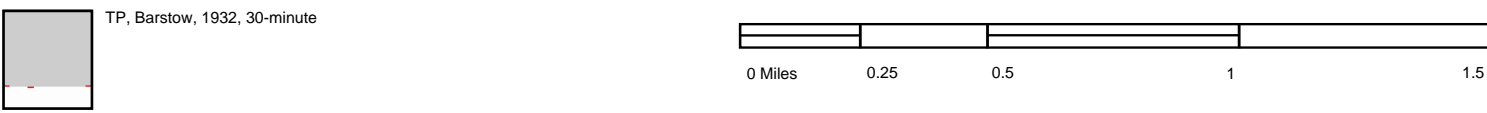
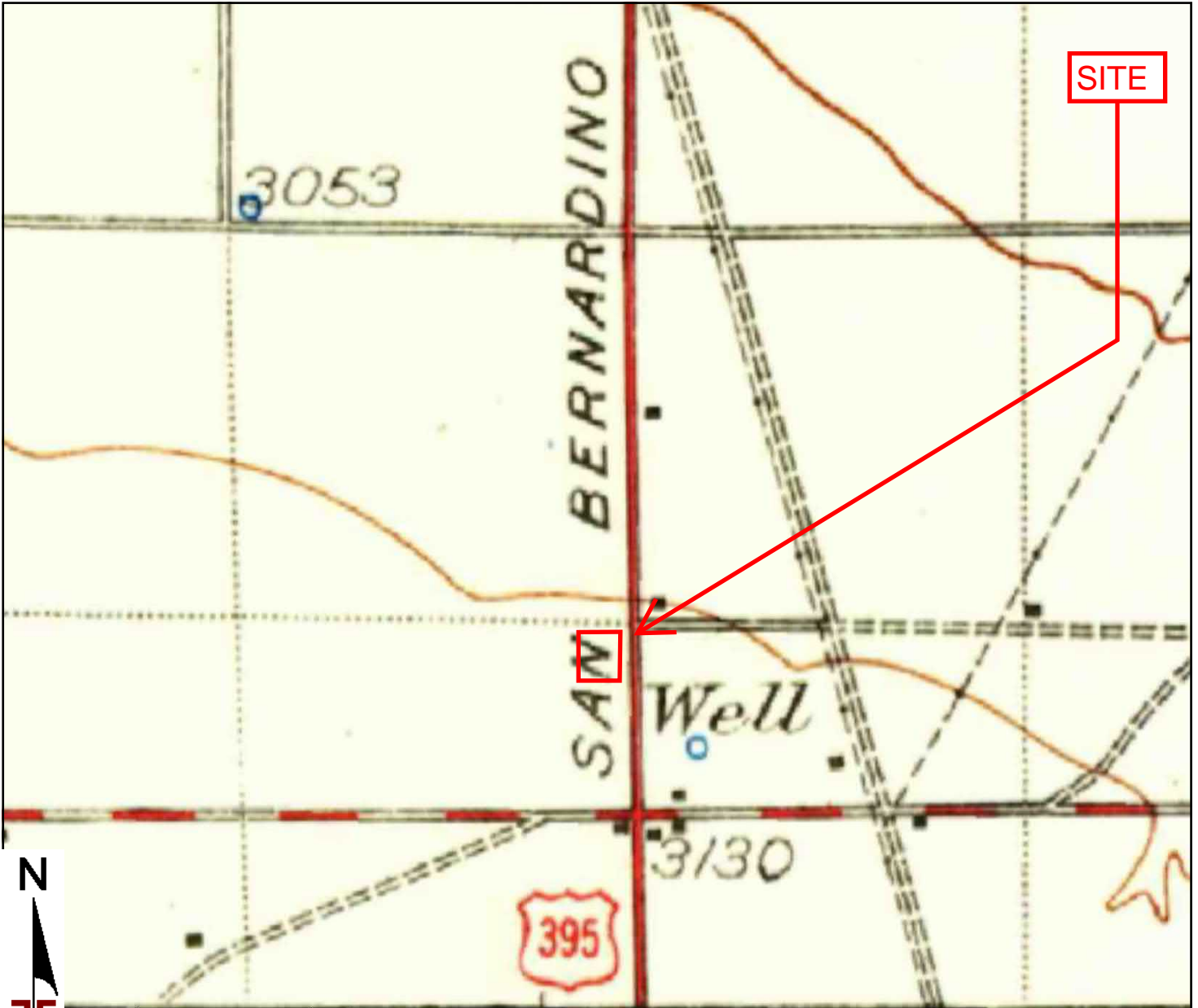


Project Manager:	Project No.
TGM	CB207003
Drawn by:	Scale:
TCJ	As Shown
Checked by:	File Name:
TCM	N/A
Approved by:	Date:
CAP	1934

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1934 TOPOGRAPHIC MAP
 Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



Project Manager:	TGM
Drawn by:	TCJ
Checked by:	TCM
Approved by:	CAP

Project No.	CB207003
Scale:	As Shown
File Name:	N/A
Date:	1932

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1932 TOPOGRAPHIC MAP
 Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C

Proposed Retail Center
Southwest Corner Highway 395 / Seneca Road
Victorville, San Bernardino County, CA 92301

Inquiry Number: 5941439.8

January 21, 2020

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

01/21/20

Site Name:

Proposed Retail Center
Southwest Corner Highway 39
Victorville, CA 92301
EDR Inquiry # 5941439.8

Client Name:

Terracon Consultants, Inc.
1355 E Cooley Drive, Suite C
Colton, CA 92324
Contact: Thomas C. Johnson



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1994	1"=500'	Acquisition Date: May 28, 1994	USGS/DOQQ
1985	1"=500'	Flight Date: July 28, 1985	USDA
1975	1"=500'	Flight Date: December 01, 1975	USGS
1968	1"=500'	Flight Date: May 28, 1968	USDA
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1953	1"=500'	Flight Date: January 31, 1953	USDA

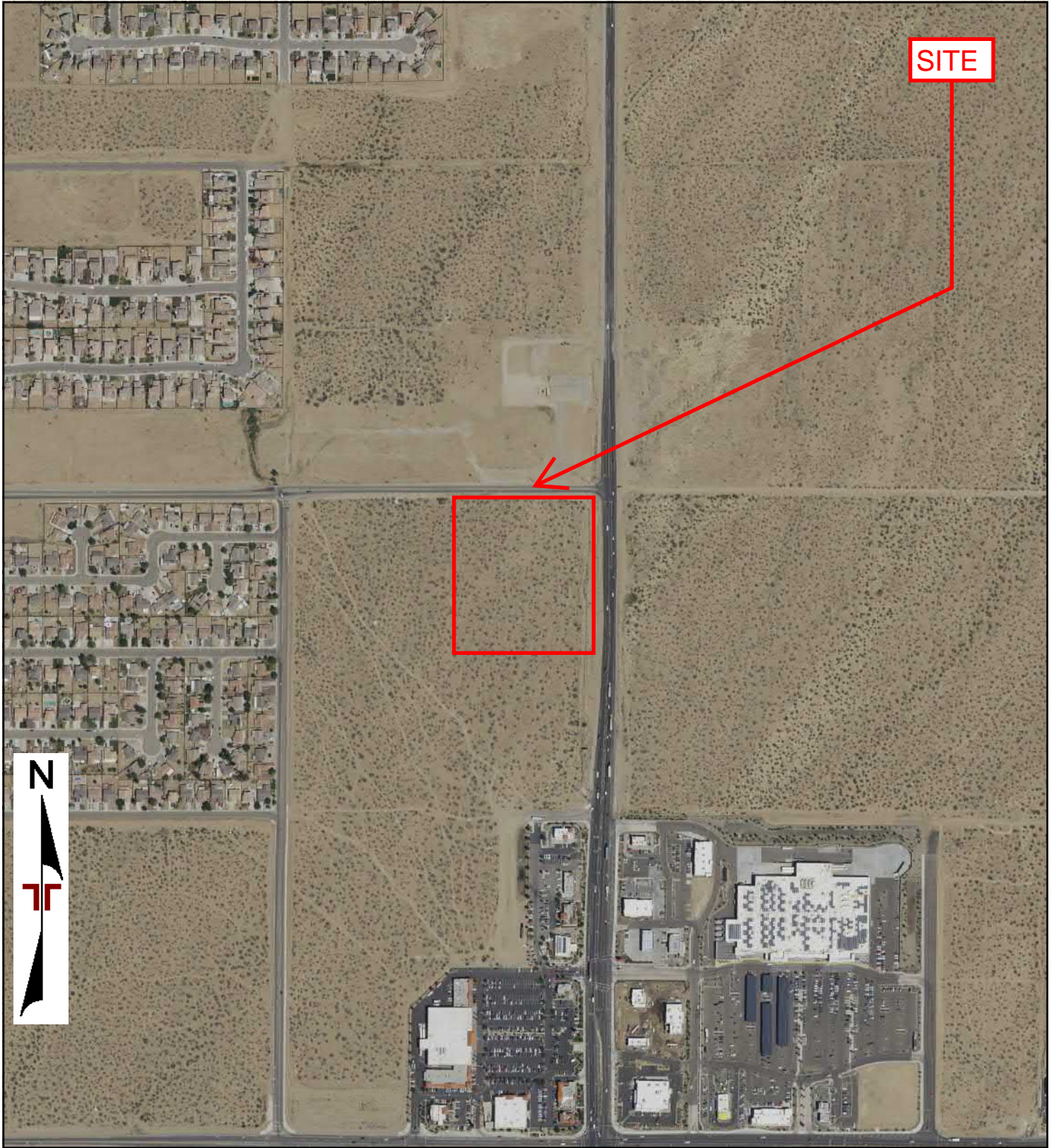
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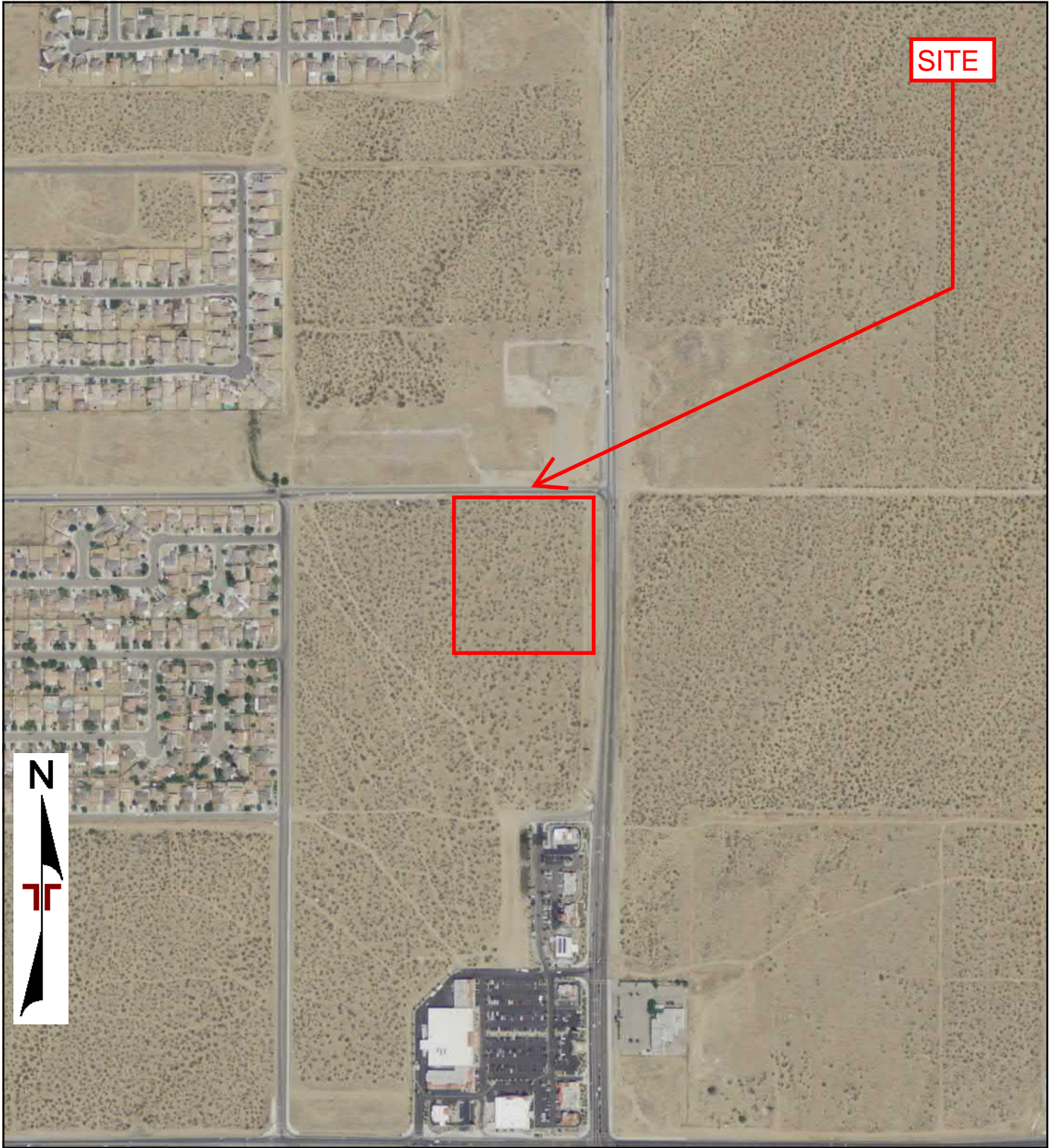
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Project Manager:	Project No:
TGM	CB207003
Drawn By:	Scale:
TCJ	As Shown
Checked By:	File Name:
TGM	
Approved By:	Date:
CAP	2016


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 Colton, CA 92324

2016 AERIAL PHOTOGRAPH
 Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



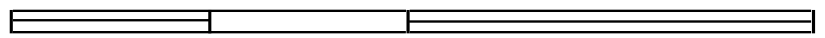
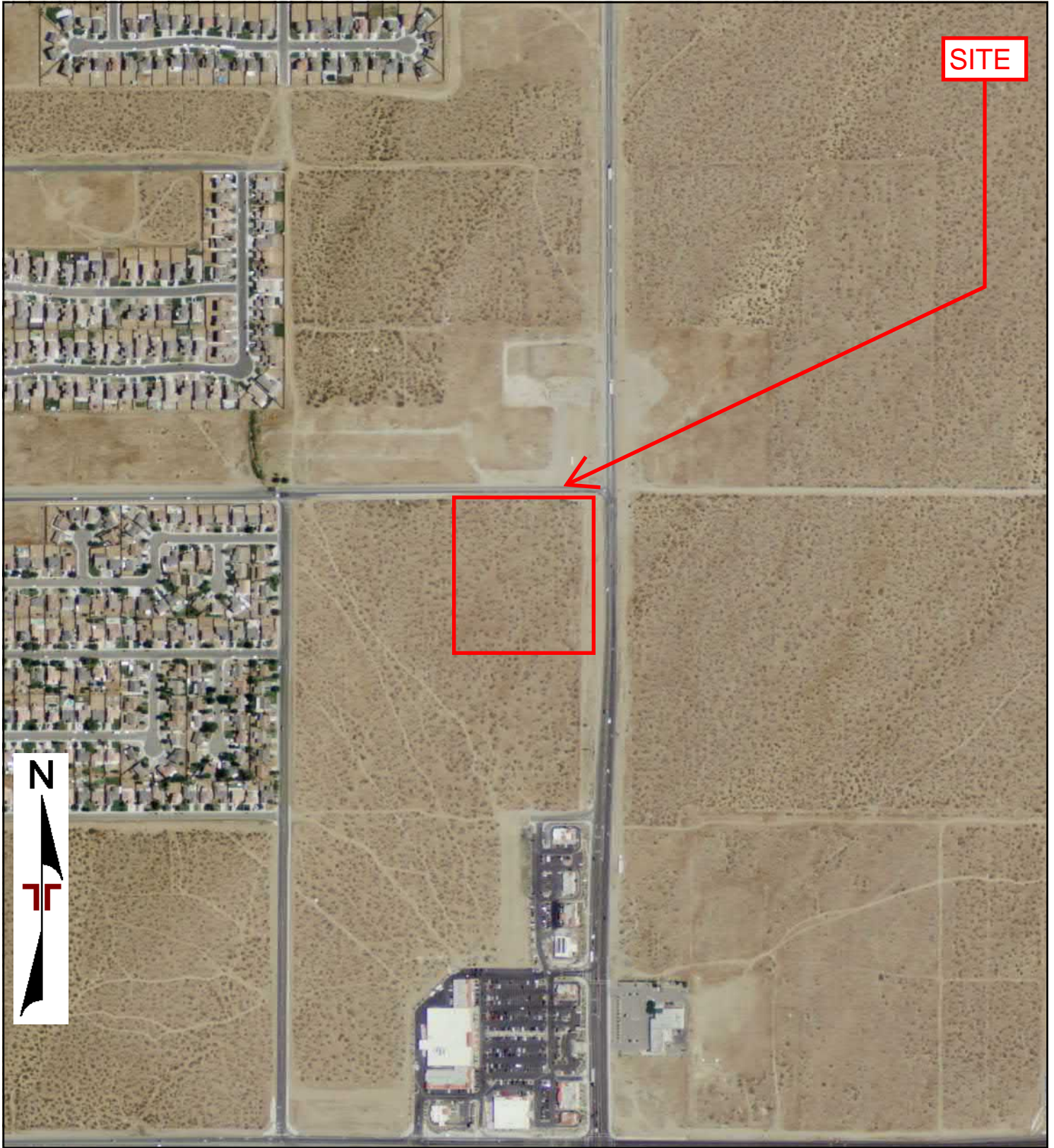
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Project Manager:	Project No:
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Drawn By:	Scale:
TCJ	As Shown
Checked By:	File Name:
TGM	
Approved By:	Date:
CAP	2012


 1355 E Cooley Drive, Suite C
 Colton, CA 92324

2012 AERIAL PHOTOGRAPH
 Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



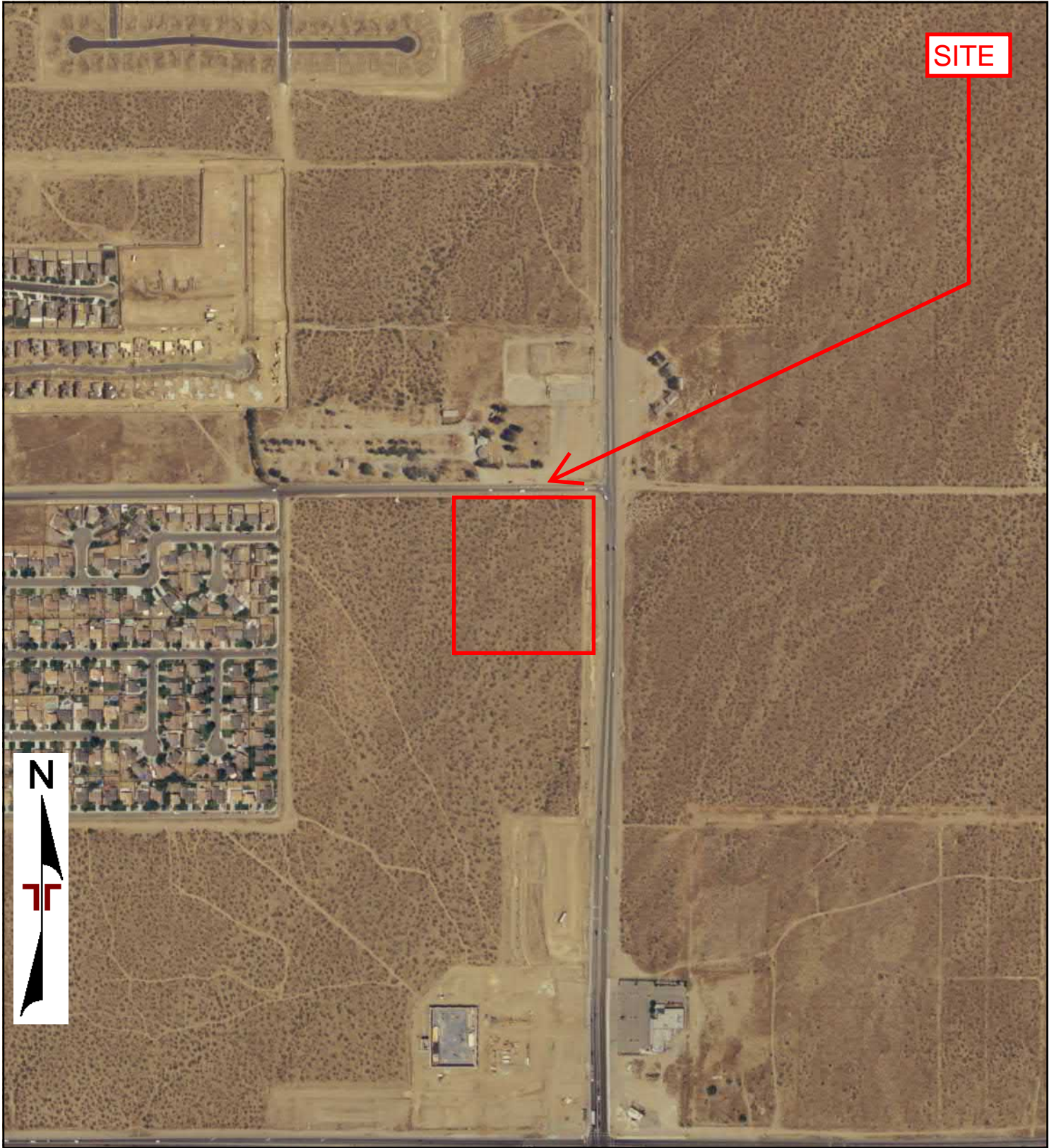
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Project Manager:	Project No:
TGM	CB207003
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TCJ	As Shown
Checked By:	File Name:
TGM	
Approved By:	Date:
CAP	2009


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 Colton, CA 92324

2009 AERIAL PHOTOGRAPH
 Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



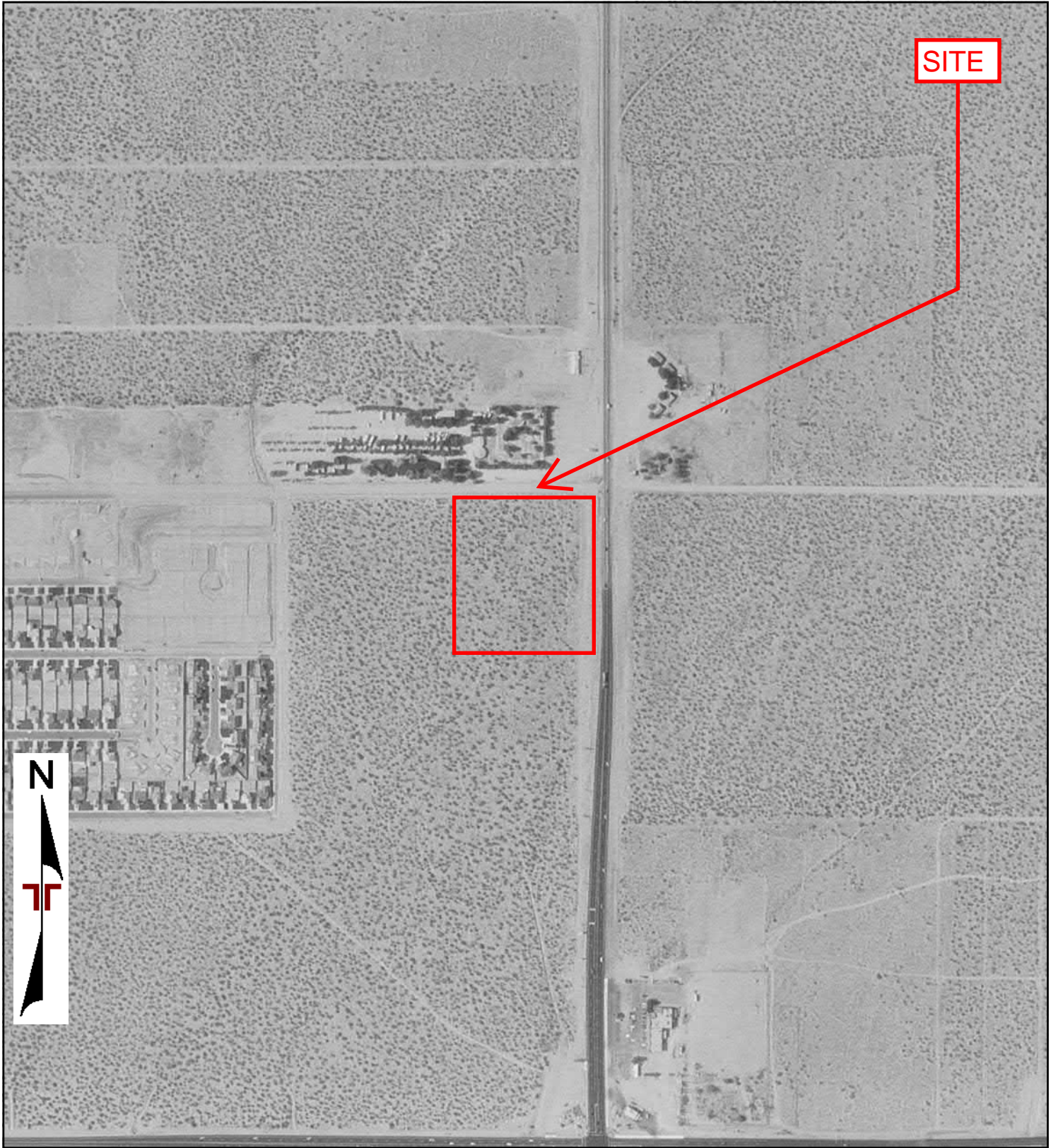
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Project Manager:	Project No:
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Drawn By:	Scale:
TCJ	As Shown
Checked By:	File Name:
TGM	
Approved By:	Date:
CAP	2005


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 Colton, CA 92324

2005 AERIAL PHOTOGRAPH
 Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



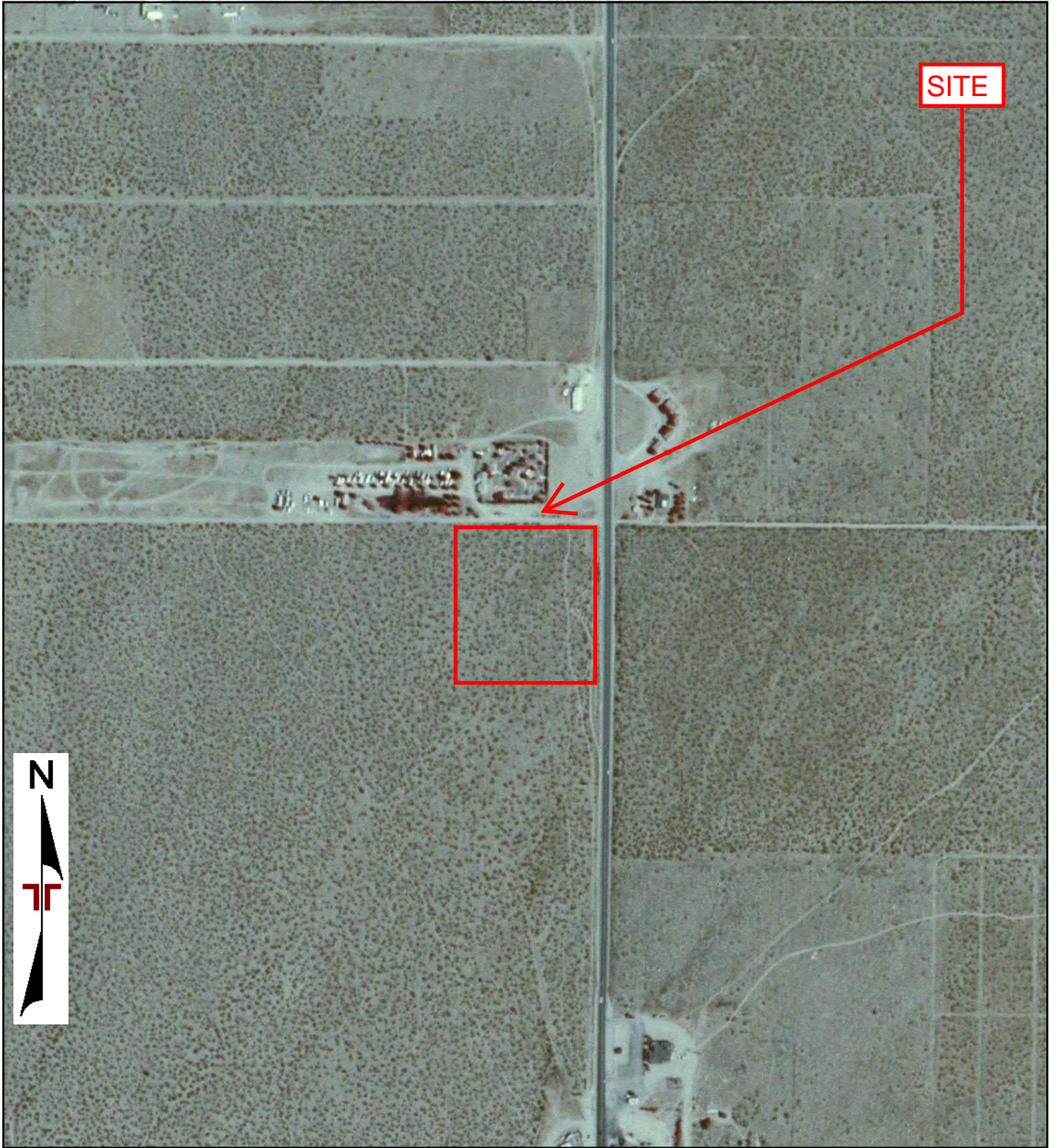
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Project Manager:	Project No:
TGM	CB207003
Drawn By:	Scale:
TCJ	As Shown
Checked By:	File Name:
TGM	
Approved By:	Date:
CAP	1994

Terracon
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1994 AERIAL PHOTOGRAPH
 Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



0 Feet

500

1000

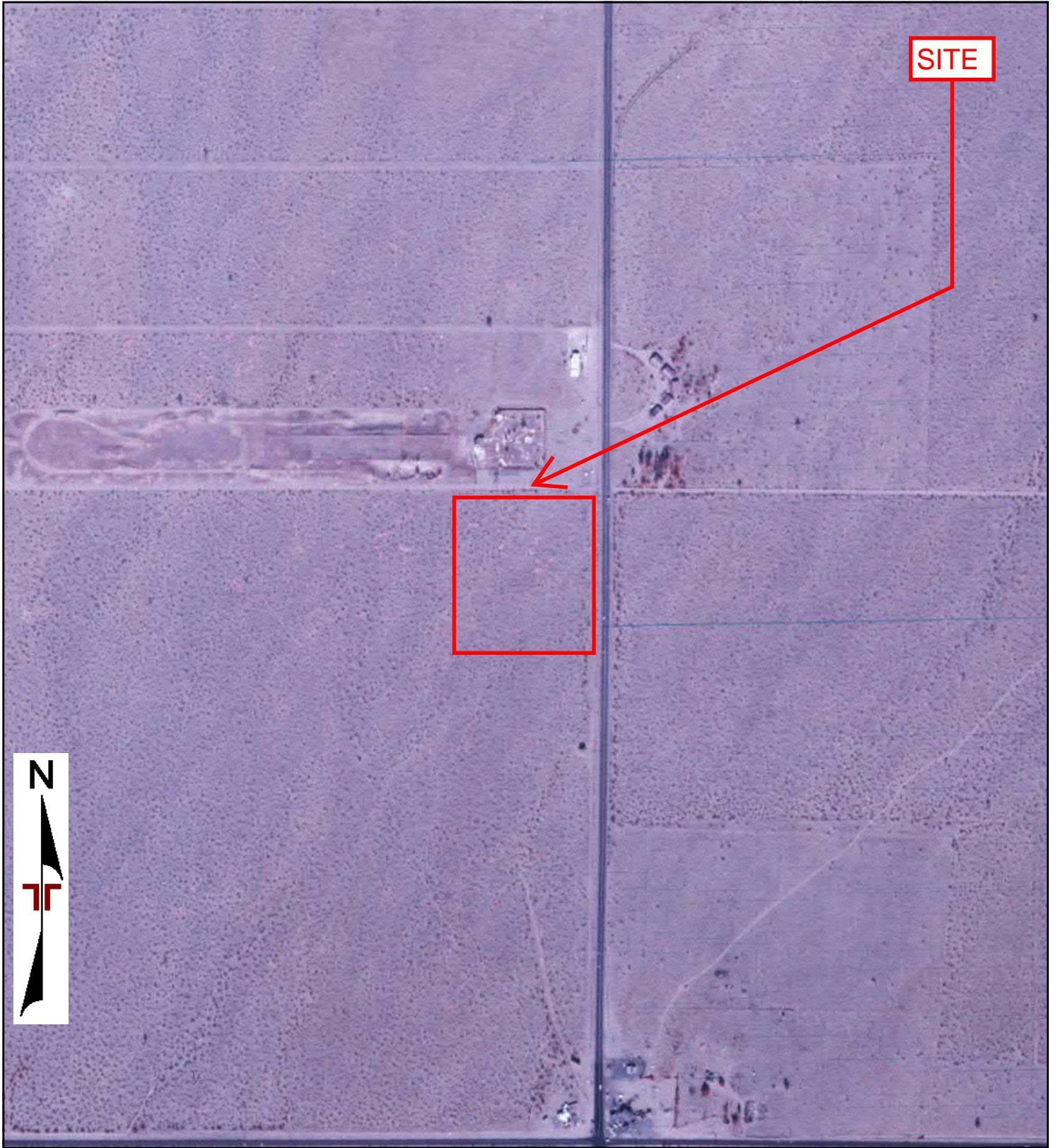
2000

Project Manager:	Project No:
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Drawn By:	Scale:
TCJ	As Shown
Checked By:	File Name:
TGM	
Approved By:	Date:
CAP	1985

Terracon
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1985 AERIAL PHOTOGRAPH
 Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



0 Feet 500 1000 2000

Project Manager:	Project No:
TGM	CB207003
Drawn By:	Scale:
TCJ	As Shown
Checked By:	File Name:
TGM	
Approved By:	Date:
CAP	1975

Terracon
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 Colton, CA 92324

1975 AERIAL PHOTOGRAPH
 Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



0 Feet

500

1000

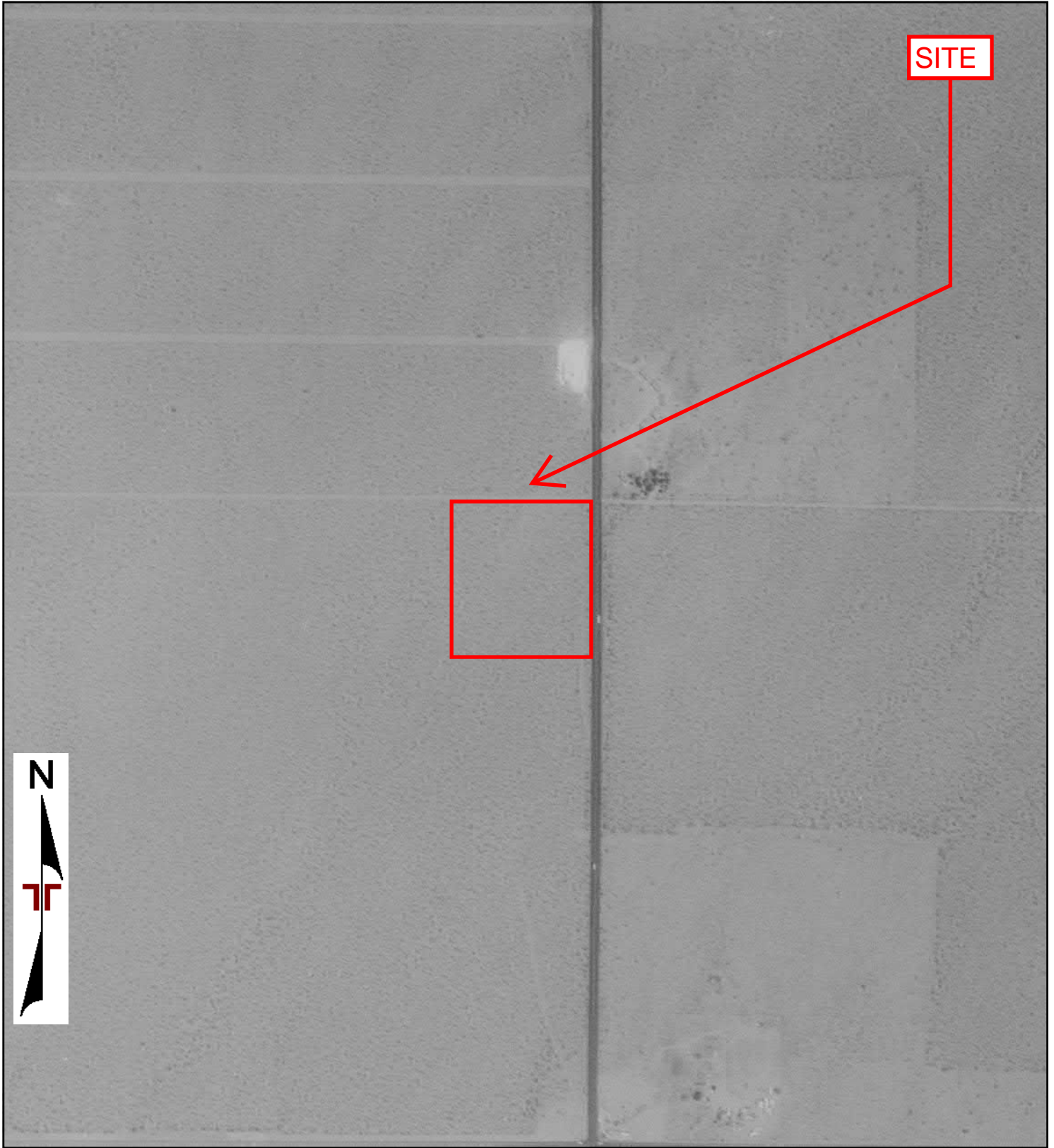
2000

Project Manager:	Project No:
TGM	CB207003
Drawn By:	Scale:
TCJ	As Shown
Checked By:	File Name:
TGM	
Approved By:	Date:
CAP	1968

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 Colton, CA 92324

1968 AERIAL PHOTOGRAPH
 Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



0 Feet

500

1000

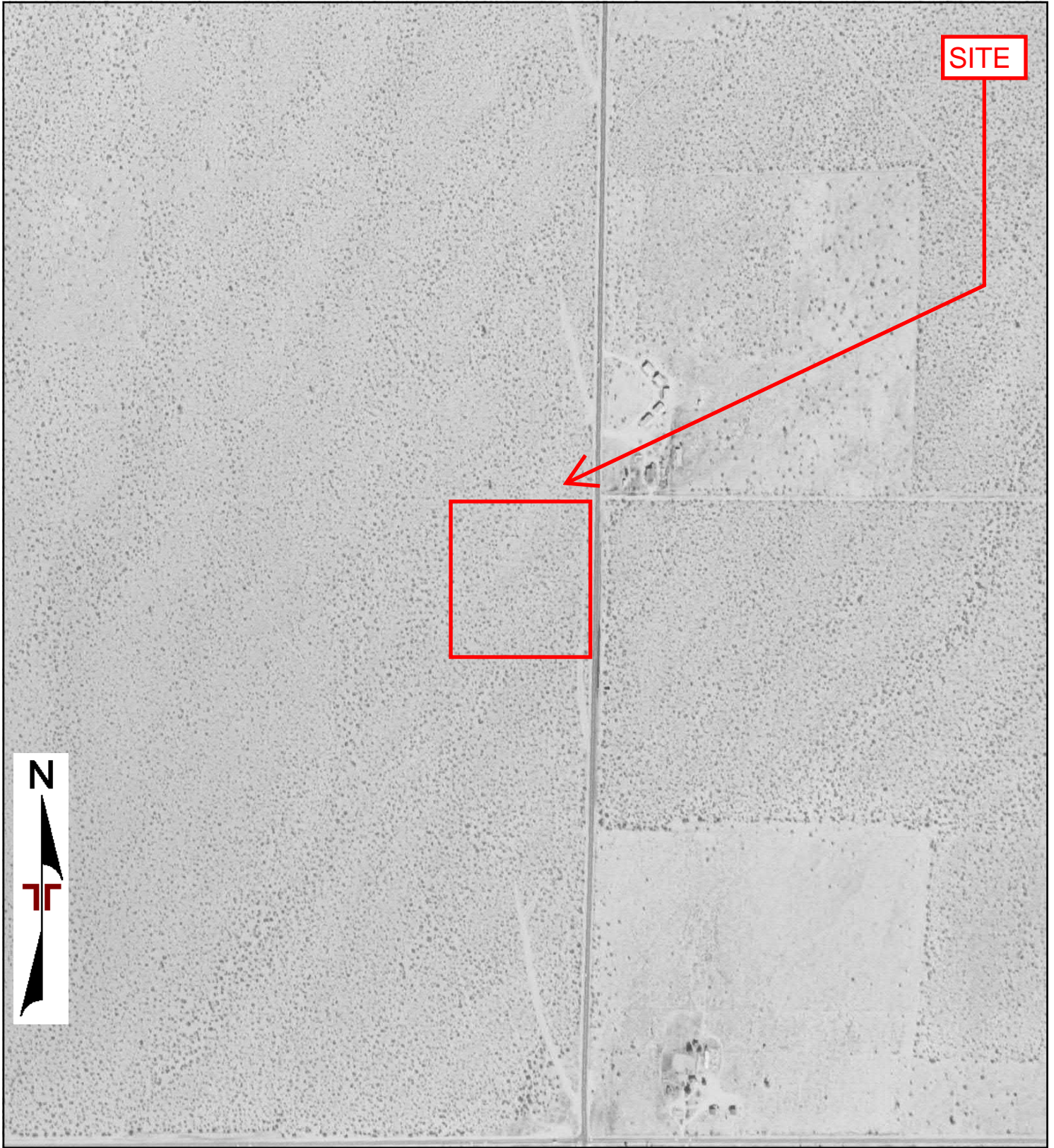
2000

Project Manager:	Project No:
TGM	CB207003
Drawn By:	Scale:
TCJ	As Shown
Checked By:	File Name:
TGM	
Approved By:	Date:
CAP	1959

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 Colton, CA 92324

1959 AERIAL PHOTOGRAPH
 Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C



0 Feet 500 1000 2000

Project Manager:	Project No:
TGM	CB207003
Drawn By:	Scale:
TCJ	As Shown
Checked By:	File Name:
TGM	
Approved By:	Date:
CAP	1953


 1355 E Cooley Drive, Suite C
 Colton, CA 92324

1953 AERIAL PHOTOGRAPH
Proposed Retail Center
 Southwest Corner Highway 395 / Seneca Road
 Victorville, San Bernardino County, CA 92301

Appendix
C

Proposed Retail Center
Southwest Corner Highway 395 / Seneca Road
Victorville, San Bernardino County, CA 92301

Inquiry Number: 5941439.3

January 21, 2020

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

01/21/20

Site Name:

Proposed Retail Center
Southwest Corner Highway 39
Victorville, CA 92301
EDR Inquiry # 5941439.3

Client Name:

Terracon Consultants, Inc.
1355 E Cooley Drive, Suite C
Colton, CA 92324
Contact: Thomas C. Johnson



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # EBC4-4382-9F6B
PO # NA
Project CB207003

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: EBC4-4382-9F6B

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

The Sanborn Library LLC Since 1866™

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Proposed Retail Center
Southwest Corner Highway 395 / Seneca Road
Adelanto, San Bernardino County, CA 92301

Inquiry Number: 5941439.5
January 23, 2020

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

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

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RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1985	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1981	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1975	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1971	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1964	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Luskey City Directory

FINDINGS

TARGET PROPERTY STREET

Southwest Corner Highway 395 / Seneca Road
Adelanto, CA 92301

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

HIGHWAY 395

1992	pg A13	EDR Digital Archive
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HWY 395

2000	pg A7	EDR Digital Archive
1995	pg A10	EDR Digital Archive
1992	pg A14	EDR Digital Archive
1985	pg A17	Haines Criss-Cross Directory
1985	pg A18	Haines Criss-Cross Directory
1985	pg A19	Haines Criss-Cross Directory
1985	pg A20	Haines Criss-Cross Directory
1981	pg A22	Haines Criss-Cross Directory
1981	pg A23	Haines Criss-Cross Directory
1975	pg A25	Haines Criss-Cross Directory
1975	pg A26	Haines Criss-Cross Directory
1971	pg A28	Haines Criss-Cross Directory
1971	pg A29	Haines Criss-Cross Directory
1971	pg A30	Haines Criss-Cross Directory
1964	pg A32	Luskey City Directory

US HIGHWAY 395

2014	pg A2	EDR Digital Archive
2010	pg A4	EDR Digital Archive
2005	pg A6	EDR Digital Archive
2000	pg A9	EDR Digital Archive
1995	pg A12	EDR Digital Archive
1992	pg A16	EDR Digital Archive

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

SENECA RD

2014	pg. A1	EDR Digital Archive
2010	pg. A3	EDR Digital Archive
2005	pg. A5	EDR Digital Archive
2000	pg. A8	EDR Digital Archive
1995	pg. A11	EDR Digital Archive
1992	pg. A15	EDR Digital Archive
1985	pg. A21	Haines Criss-Cross Directory
1981	pg. A24	Haines Criss-Cross Directory
1975	pg. A27	Haines Criss-Cross Directory
1971	pg. A31	Haines Criss-Cross Directory
1964	pg. A33	Luskey City Directory

City Directory Images

SENECA RD 2014

10575 ADELANTO SCHOOL DISTRICT
12995 MALVEAUX, KENT
13015 LOPEZ, JOSE
13037 DURRETT, MEGHAN
13065 OCCUPANT UNKNOWN,
13085 CAMAS, LINBERG M
13107 GIBSON, JENNIFER
13145 HUBERT, DIANA L
13159 TORRES, MARIA
13185 MORENO, VICTOR
13215 SPRINGER, CHRISTINE A
13243 MASSARO, RON P
13253 EDMISTON, PENNY C
13363 WESTBROOKS, LANA J
13385 RAMIREZ, EDGAR A
13411 CALLEROS, AMY
WINTER, ALAN

US HIGHWAY 395

2014

- 10732 OCCUPANT UNKNOWN,
WALDEN SOUND
- 11560 FAST TAX FINANCIAL
OCCUPANT UNKNOWN,
- 13926 MR&R POLISHING & RESTORATIONS

SENECA RD 2010

10575 ADELANTO SCHOOL DISTRICT
12995 MALVEAUX, KENT
13015 LOPEZ, JORGE H
13025 LAWSON, GARY L
13037 GUAPO, LOUIE P
13065 LOPEZ, ALFONSO F
13085 FITLIN, FRANK S
13107 DAVIS, V G
13145 VIEYRA, IRENE C
13159 BECK, HARMONY C
13215 OCCUPANT UNKNOWN,
13243 YOUNG, WILLIAM J
13252 PICKENS, DARYL
13253 EDMISTON, MIKE D
13363 WESTBROOK, J
13385 OCCUPANT UNKNOWN,
WORTH, DAVID S
13411 WESSON, WILLIE L
WINTER, ALAN

US HIGHWAY 395 2010

10732 OCCUPANT UNKNOWN,
WALDEN SOUND
10748 OCCUPANT UNKNOWN,
11560 FAST TAX FINANCIAL
OCCUPANT UNKNOWN,
TERESA EVANS
12060 EAST NE LTD A CALIF LP
14136 STARBUCKS CORPORATION
14148 RUBIOS RESTAURANTS INC
SUB WAY SANDWICHES
14168 STATER BROS MARKETS INC
SUPER RX PHARMACY
VERIZON WIRELESS DB TELCOM LLC
14180 COCKEY BULL RESTAURANT
HIGH DESERT ENTERTAINMENT

SENECA RD 2005

12995 KRIKORIAN, LETICIA
13015 CABRERA, BLANCA B
13025 LAWSON, GARY L
13037 GUAPO, LOUIE P
WEED SOLUTIONS INC
13065 BENNETT, DARRELL
13085 CANAS, LINBERG M
13107 OCCUPANT UNKNOWN,
13145 SCAMPORINO, IRMA L
13185 OCCUPANT UNKNOWN,
13215 MARTINS, ROBERT J
13243 MASSARO, RON
13252 PICKENS, DARYL
13253 EDMISTON, MIKE D
13363 THOMPSON, CHARLES L
13385 MACIAS, JAMES T
13411 DANAHOO, DANIEL H

US HIGHWAY 395 2005

10732 OCCUPANT UNKNOWN,
WALDEN SOUND
11560 RISK FREE TRUCKING SVC & REPR
WILSON, MICHAEL
12060 BUNKER HILL ENTERPRISES INC
13926 DIRECT AIR
14145 DADS CLUB INC
14180 COCKY, BULL
14181 WOODYS BOAT HOUSE



-

HWY 395

2000

10136 LAMBDIN, GEORGE A
10368 NOAHS ARCH FEED STORE

SENECA RD 2000

11508 GRANITE HOMES
12995 KRIKORIAN, LETICIA
13015 SMOCK, LEONARD
13065 A-1 AFFORDABLE TOWING
JONES, MICHAEL
13085 OCCUPANT UNKNOWN,
13097 OCCUPANT UNKNOWN,
13107 DAVIS, WESLEY D
13145 OCCUPANT UNKNOWN,
13159 OCCUPANT UNKNOWN,
13185 OCCUPANT UNKNOWN,
13215 MARTINS, ROBERT J
13243 OCCUPANT UNKNOWN,
13253 EDMISTON, MIKE
13363 OCCUPANT UNKNOWN,
13385 MACIAS, ROSALIO Z
13411 MCGOWAN, E



-

US HIGHWAY 395

2000

14145 DADS CLUB INC
14180 WOODYS CALIFORNIA LLC



-

HWY 395

1995

10136 DUNLAP, DANIEL

SENECA RD 1995

13015 SMOCK, LEONARD
13065 OCCUPANT UNKNOWNN
13085 OCCUPANT UNKNOWNN
13107 DAVIS, WESLEY D
13159 RICK, TIM S
13185 BRUMETT, JOHN R
13215 ROMERO, HENRY L
13243 OCCUPANT UNKNOWNN
13252 SIMER, IVAN
13253 EDMISTON, MIKE
13363 OCCUPANT UNKNOWNN
13385 MACIAS, ROSALIO Z
13411 WELSH, JULIE

US HIGHWAY 395 1995

12060 MATLOCK CRAIG
14145 DESERT GLEN REALTY INC
14180 COCKY BULL FOOD & SPIRITS INC
WESTERN BOUTIQUE
14513 PEIDRA, DANIEL
WILSON, ALONZO J
14530 CROWE, DONALD A
DUFFIELD, JESSE W
HAMMER, DEAN L
HARTLEY, JAMES T
ONEILL, MICHAEL
RIVERA, MARINA
ROCK, TAMI
SWAGGERGY, G E
TODD, G



-

HIGHWAY 395

1992

11700 BIANCOTTI, PATRICK J



-

HWY 395

1992

14530 INVESTMENT 1990

SENECA RD 1992

13253 EDMISTON, MIKE
13385 MCGOWAN, ROBERT
13411 MCGOWAN, W C
13435 FIELDS, HELEN N
13509 TIGHE, RON
13681 MC GOWAN ANITA S

US HIGHWAY 395

1992

12060 MATLOCK CRAIG
14145 DESERT GLEN REALTY
14180 COCKY BULL FOOD & SPIRITS INC
WESTERN BOUTIQUE
14513 MAXWELL, MICHAEL
14530 JOHNSON, DUSTIN K
LABUSEWYCZ, BERNIE
LEMER, FRANCIS
MARTIN, JOHNI E
ROONEY, RONALD G
SCHLEGEL, RALPH
SWAGGERTY, R E

HWY 395 1985

U S HWY 395 92301
ADELANTO

20554	JIMS ELECTRONICS	246-6164 +5
20556	SHEALY ROBERT	246-8856 3
20558	XXXX	00
20562	XXXX	00
NO #	BOWMAN E R	246-5327
NO #	CARDINAL AUTO WRCKG	246-8616
NO #	DESERT CAPRI MBL HM	246-5664
NO #	HOLLIS H F	246-5780

HWY 395 1985

U S HWY 395		92301 CONT	
NO #	KING JAS F	246-6396	
NO #	OREWYLER KAZUE T	246-8454	9
NO #	STEINHAUSER J	246-8211	
NO #	SUNRISE VLY CYCL PK	246-6109	0
	4 BUS	8 RES	1 NEW

HWY 395 1985

ST HWY 395 92392
VICTORVILLE

14513	WOOD GREGORY G	245-7261 +5
★	0 BUS	1 RES
		1 NEW



HWY 395 1985

U S HWY 395 92392
VICTORVILLE

13926	V&L TIRE	245-2708	4
14111	BECK OIL STATIONS	245-3639	+5
14145	XXXX	00	
14180	COCKY BULL	245-2855	0
	COCKY BULL BOUTIQUE	243-4728	3
14315	XXXX	00	
14513	B E C APTS	245-8494	8
	LOPEZ LEONARD W	243-2226	4
	PRINDEAUX ROBERT E	245-3447	+8
14530	APARTMENTS		
	ARREDONDO PORFIRIO	243-3981	+8
	GANN JACKIE	245-1533	+8
	GREEN THOMAS A	243-4140	+5
	HARRELL MICKEY	245-1792	+5
	HARRISON RICHARD A	245-4517	+5
	JOHNNSON ROBERT	243-3346	+5
	KING JUDY	245-9762	+5
	RIDING ROBERT	243-5538	+5
	RIEDEL R A	243-5338	+5
14530			
14590	SOUND BARRIER	243-9972	2
NO #	MOONS FRUIT&PRODUCE	243-9850	2
★	7 BUS	13 RES	11 NEW

HWY 395 1981

U S HWY 395 92301
ADELANTO

20080	XXXX	00	
20554	LUNDGREN BERTIL	246-8856	7
20558	XXXX	00	
20562	ZIERENBERG DAVID G	246-6617	+1
NO #	BOWMAN E R	246-5327	5
NO #	CARDINAL AUTO WRCKG	246-8616	4
NO #	DESERT CAPRI MBL HM	246-5664	
NO #	EWING E	246-8024	9
NO #	HOLLIS H F	246-5780	5
NO #	KING JAS F	246-6396	
NO #	OREWYLER KAZUE T	246-8454	9
NO #	STEINHAUSER J	246-8211	4
NO #	SUNRISE VLY CYCL PK	246-6109	0
★	3 BUS	10 RES	1 NEW

HWY 395 1981

U S HWY 395 92392
VICTORVILLE

14145	BURGERS N BREW	245-7804	0
14180	COCKY BULL	245-2855	0
14315	XXXX	00	
14513	B E C APARTMENTS	245-8494	8
	LAMBERT WAYNE R	245-8069	+1
	PIMENTAL C	245-3060	+1
14530	MORGAN F R	245-2312	+1
	SINCLAIR RAY	245-2381	+1
	SUN N FUN VILLAGE	245-4403	0
14590	SOUND BARRIER	245-4372	9
NO #	MOHAWK SERVICE STNS	245-3639	0
★	6 BUS	5 RES	4 NEW

HWY 395 1975

U S HWY 395 92301 ADELANTO

20080	GENTRY TERRY D	246-5862+5
	MADGRIGAL GEO V	246-5862+5
20558	LOCKWOOD JASON R	246-5081
NO #	BOWMAN E R	246-5327+5
NO #	BROWN DARRALL	246-8846 4
NO #	BROWN JEFF P	246-8824 4
NO #	BROWN MELVIN J	246-8178 3
NO #*	CARDINAL AUTO WRCKG	246-8616 4
NO #	CULLISON SCOTT M	246-8837+5
NO #	DEAN ROBERT J	246-8554+5
NO #	FRINDT KARL R	246-7157+5
NO #	JACKSON JAMES E	246-8429+5
NO #	JOHNSON CHARLES D	246-7852+5
NO #	KING JAS F	246-6396
NO #	KING RONALD R	246-5239
NO #	LINGREN MARGARET	246-7231
NO #	MAISCH MORRIS E	246-8364+5
NO #	MASSEY L	246-5287+5
NO #	NIPPRESS CHARLES A	246-8025 3
NO #	RUTLEDGE FRANK	246-8077 4
NO #	SCOTT RAYMOND	246-6383+5
NO #	SMITH TOM W	246-8743+5
NO #	SPIZZIRRI CHAS	246-5625+5
NO #	STEINHAUSER J	246-8211 4
NO #*	395 CYCLE PARK	246-6109+5
NO #	VONDEREMBESE R L	246-7738 3
DESRT CAPRI TRLR PK	
NO #	BARAGAR ROBT L	246-6134
NO #	BECKUM CHARLES W	246-5486
NO #*	DESERT CAPRI MBL HM	246-5664
NO #	HANNON JAS O	246-5380
NO #	ROSE DAVID	246-7985
	* 3 BUS 28 RES 14 NEW	

HWY 395 1975

U S HWY 395 92392 VICTORVILLE

14513	COTA ROBT	245-6632+5
	JAROSZ STANLEY T	245-9290 4
14530	XXXX	00
14590	BURNSIDE BERNICE	245-4558 4
	*CROWN RESTAURANT	245-4558 4
NO #	MINGHELLI A	245-9277 3
NO #	*SWING N CLICK GOLF	245-4542
	* 2 BUS 5 RES	1 NEW

SENECA RD 1975

SENECA RD 92392 VICTORVILLE

13460 GOIN STERLING	245-8382+5
13587 XXXX	00
15252...GOLD WEST MBL HM PK	
BEVERLY GARCIA N	245-5774+5
BIERMANN WILLIAM M	245-3210+5
BROOKS DON	245-8251+5
BYRON CARL	245-7863+5
CLARK VIVIAN W	245-9289+5
CLIFTON CHAS A	245-1513+5
CLINE GALEN	245-1734+5
DURHAM FRED	245-2310+5
EARLY F EDWARD	245-6183+5
ERDMAN M P	245-3138+5
GATES GEO J	245-2164+5
GIBBE JAMES JR	245-3657+5
*GOLD WEST MBL HM PK	245-6244+5
GUMM ROSS C	245-2073+5
HAAR JAMES A	245-1529+5
HARRIS E I	245-7886 4
HARTINGER ED	245-8555+5
HENRY LEROY M	245-2656 4
HONEY MARK V	245-8018+5
HULTQUIST ALICE M	245-9538+5
JACKSON KENNETH R	245-6731 4
JAMES JOHN T	245-8083+5
KENNEDY HURON	245-4880 4
KINZLE WM	245-1710+5
KOELZER EDWIN C	245-4065 4
KOEPKE DALE D	245-5220+5
LLEWELLYN ALBERT T	245-9965+5
MASON ROSS	245-2620 4
MCHARG M A	245-6128+5
MOORE PAMELA	245-8803+5
NEWBURG ARTMAN	245-3669+5
OLIVER CLARA	245-8531+5
OLSON MARCUS G	245-8510+5
PEACOCK WM A	245-9288+5
PETERMAN RALPH L	245-2881+5
POOLE WM E	245-2605+5
REED M I	243-4643+5
RICHARDSON L N	245-6080+5
ROBINSON EDGAR B	245-3654+5
SLIFKER CHAS A	245-1513+5
STJOHN M V	245-1342+5
STRONG JAY	245-2968+5
THOMPSON RICHARD D	245-2572 4
THURLOW SCOTT	245-9204+5
TIPPS BILL LEE	245-2054+5
TURNER GORDON	245-1716+5
VOLLRATH H CARL	245-4642+5
WALTER M C	245-6179+5
WEIR JAMES A	243-4558+5
WILLIAMS RALPH E	245-5567 4
WILLIAMSON LANCE D	245-8529+5
15252.....	
15745*VICTRVL CTY ST MNTC	245-1776 4
15785*COLES AUTOMOTIVE	245-4546
*GOLDEN WEST TIRES	245-8183+5
15811*WILCO ELECTRIC INC	245-6536+5

HWY 395 1971

U S HWY 395 92301 ADELANTO

20080	HOLLIS HASTELL F	246-5511
20554	MCMICHAEL A C	246-8023
20558	LOCKWOOD JASON R	246-5081
NO #	ANDERSON PAUL K	246-7953
NO #	BETTENDORF JERRY L	246-7091
NO #	*CARDINAL AUTO WRCKG	246-7778
NO #	KING JAS F	246-6396
NO #	KING RONALD R	246-5239
NO #	LINGREN MARGARET	246-7231
NO #	MILLER HARRY L	246-8306
NO #	NORVELL LAWNY D	246-6665

HWY 395 1971

NO # OLIVERA ROBT A	246-8123
NO #*PHOENIX AM SLVR MNG	246-8009
NO # SIDLEY GERALD F	246-8016
NO # SIMONSON EDWIN	246-8385
NO # SKELTON THOS TSGT	246-7555
NO # STEINHAUSER J	246-8211
NO # STERLING ROBT	246-5189
NO # WOOD AVERY B	246-7386
NO # BARAGAR ROBT L	246-6134
NO # BECKUM CHARLES W	246-5486
NO # CALLAHAN HOWARD	246-8831
NO # CHAPMAN TRAVIS L	246-5127
NO # CORNETT JACK SSGT	246-5007
NO # CUTLER TIMOTHY	246-8742
NO # DEMIANEW JIM A	246-5043
NO #*DESERT CAPRI MBL HM	246-5664
NO # DOERSAM WM F	246-5467
NO # FRYDAY DALE	246-6685
NO # FELLOWS CHARLES A	246-8377
NO # HANNON JAS O	246-5380
NO # MCCOLLUM EUGENE	246-5707
NO # PLOG WM M	246-5475
NO # REED CECIL H	246-5764
NO # ROSE DAVID	246-7985
NO # SCHWINN CHAS R	246-7467
NO # SHEALEY ROBERT L	246-6670
NO # SHOEMAKER VIRGIL D	246-8420
NO # SHROYER ARNO H	246-7097
NO # STITT DUANE	246-7046
NO # TURJA ROY W	246-6340
NO # WALKER GARY E LT	246-5728
NO # WARD DORENE	246-5489
NO # WEBB DONALD H	246-6434
NO # WHITE ALLEN B SSGT	246-6349
NO # WOLVERTON WM	246-7002
* 3 BUS 43 RES	



HWY 395 1971

U S HWY 395 92392 VICTORVILLE

14513... APARTMENTS

- EUBANK LYNN D 245-8206
- HOCKADAY LEMUEL 245-2219
- HUGHES E 245-2362
- LEAR LARRY 245-6176
- LEE JERRY D 245-9989
- RODARTE ROBERT 245-8456
- WARD DANA 245-8272

14513.....

- 14530 DAHMS RICHARD 245-1709
- 14590* SOUND BARRIER THE 245-4558
- NO #* SWING N CLICK GOLF 245-4542
- * 2 BUS 8 RES

SENECA RD 1971

SENECA RD 92392 VICTORVILLE

15785*	COLES AUTOMOTIVE	245-4546
	*G&L AUTO SUPPLY	245-7232
16231	HOWARD HERBERT H	245-7616
16419	LONG J S	245-6359
16423	TUCKER JOHN R	245-1726
16467	DAVIS ALAN	245-6801
16665	EMERSON PHILLIP J	245-1544
*	2 BUS	5 RES

✓

-

HWY 395 1964

-4-

HIGHWAY 395, N (VIC)--FROM
JUNCTION OF HWY 66, NORTH

#####

SENECA RD 1964

-2-

SENECA RD, E (VIC)--FROM HILLCREST
DR, EAST 1 N OF LORENE RD

SS *JF BROCKER. . . .CH 5-9264

#####

Client/User Required Questionnaire



Person Completing Questionnaire	Name: Michael Scarbrough Company: 3K1 Consulting Services, LLC	Phone: 602-684-5210 Email: mike@3k1.us
Site Name	Proposed Quick N Clean	
Site Address	Seneca Rd and Hwy 395, Victorville, CA	
Point of Contact for Access	Name: Albert Lopez Company: Progressive Real Estate Partners	Phone: 909-900-8922 Email: albert@progressiverep.com
Access Restrictions or Special Site Requirements?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, please explain)	
Confidentiality Requirements?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, please explain)	
Current Site Owner	Name: Company: Adelanto Seneca Land, LLC	Phone: Email:
Current Site Operator	Name: Company: Adelanto Seneca Land, LLC	Phone: Email:
Reasons for ESA (e.g., financing, acquisition, lease, etc.)	Purchase and development of the land	
Anticipated Future Site Use	Commercial	
Relevant Documents?	Please provide Terracon copies of prior Phase I or II ESAs, Asbestos Surveys, Environmental Permits or Audit documents, Underground Storage Tank documents, Geotechnical Investigations, Site Surveys, Diagrams or Maps, or other relevant reports or documents.	
ASTM User Questionnaire		
In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must respond to the following questions. Failure to provide this information to the environmental professional may result in significant data gaps, which may limit our ability to identify recognized environmental conditions resulting in a determination that "all appropriate inquiry" is not complete. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.		
1) Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.25)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below and send Terracon a copy of the title records or judicial records reviewed.)		
2) Did a search of recorded land title records (or judicial records where appropriate) identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.26)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below and send Terracon a copy of the title records or judicial records reviewed.)		
3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below)		
4) Do you have actual knowledge of a lower purchase price because contamination is known or believed to be present at the site (40 CFR 312.29)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Not applicable (If yes or Not applicable, explain below)		
5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below)		
6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of contamination at the site (40 CFR 312.31)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below)		
Comments or explanations: 		

Please return this form with the signed authorization to proceed.

Proposal No. PCB207003

APPENDIX D
ENVIRONMENTAL DATABASE INFORMATION

Proposed Retail Center
Southwest Corner Highway 395 / Seneca Road
Victorville, San Bernardino County, CA 92301

Inquiry Number: 5941439.2s
January 21, 2020

The EDR Radius Map™ Report with GeoCheck®



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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	26
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	PSGR-1

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

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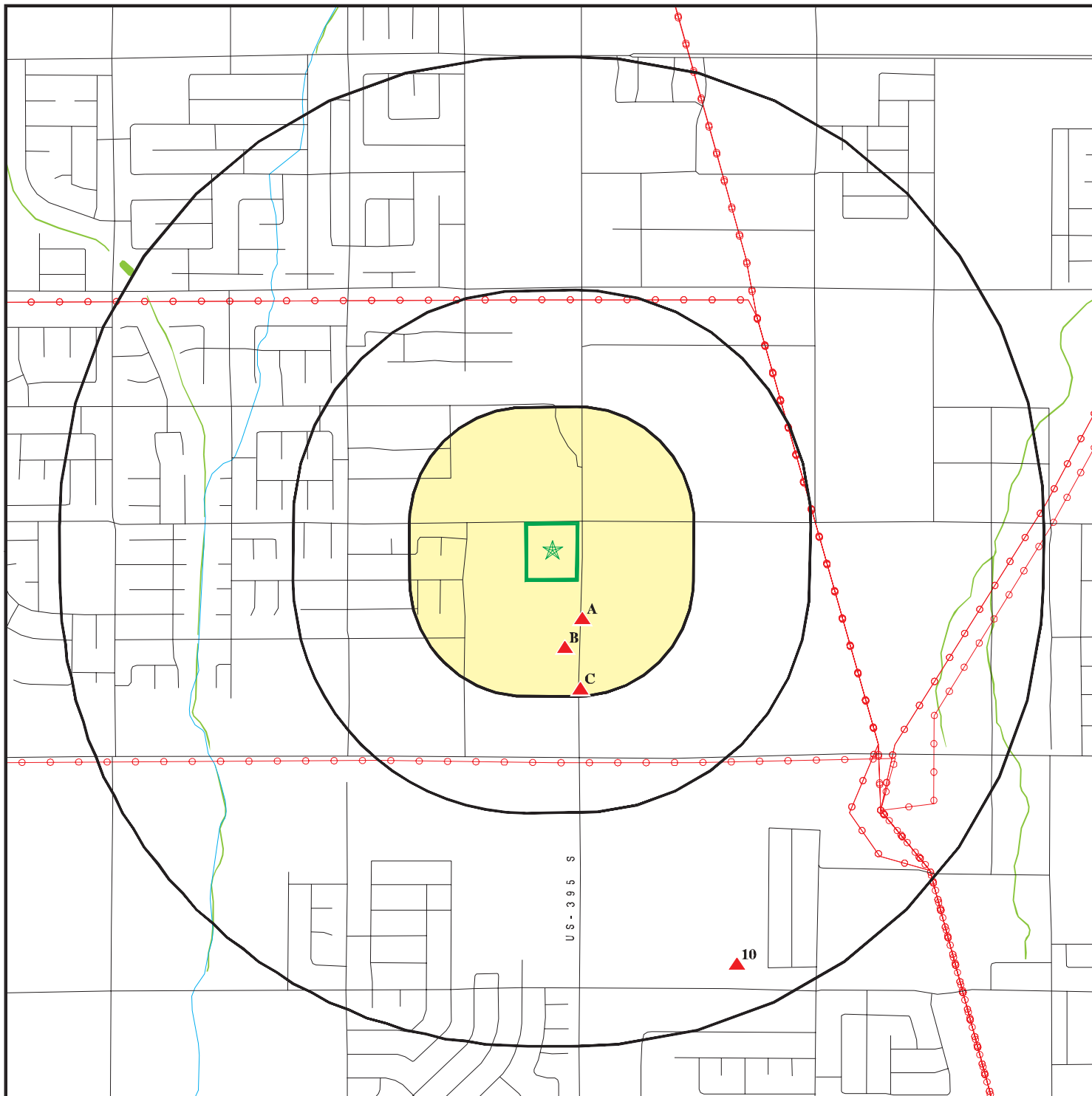
MAPPED SITES SUMMARY

Target Property Address:
 SOUTHWEST CORNER HIGHWAY 395 / SENECA ROAD
 ADELANTO, CA 92301

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	DOLLAR TREE #05519	14325 US HWY 395	RCRA NonGen / NLR	Higher	438, 0.083, SSE
A2	DOLLAR TREE #05519	14325 US HIGHWAY 395	CERS HAZ WASTE, San Bern. Co. Permit, CERS	Higher	438, 0.083, SSE
B3	CARL'S JR #39	14292 HWY 395	San Bern. Co. Permit	Higher	756, 0.143, South
B4	AUTOZONE #3780	14289 HIGHWAY 395	CERS HAZ WASTE, San Bern. Co. Permit, CERS	Higher	774, 0.147, SSE
B5	AUTOZONE #3780	14289 US HIGHWAY 395	RCRA NonGen / NLR	Higher	774, 0.147, SSE
B6	DENNY'S RESTAURANT #	14240 HIGHWAY 395	San Bern. Co. Permit	Higher	1014, 0.192, South
C7	CHEVRON STATION# 373	14217 HIGHWAY 395	UST	Higher	1228, 0.233, SSE
C8	CHEVRON STATION# 373	14217 HIGHWAY 395	CERS HAZ WASTE, CERS TANKS, San Bern. Co. Permit,...	Higher	1228, 0.233, SSE
C9	CHEVRON 373173	14217 HWY 395 AND PA	RCRA NonGen / NLR	Higher	1228, 0.233, SSE
10	GUS FRANKLIN JR. ELE	NORTHEAST CORNER DOS	ENVIROSTOR, SCH	Higher	4707, 0.891, SSE

OVERVIEW MAP - 5941439.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

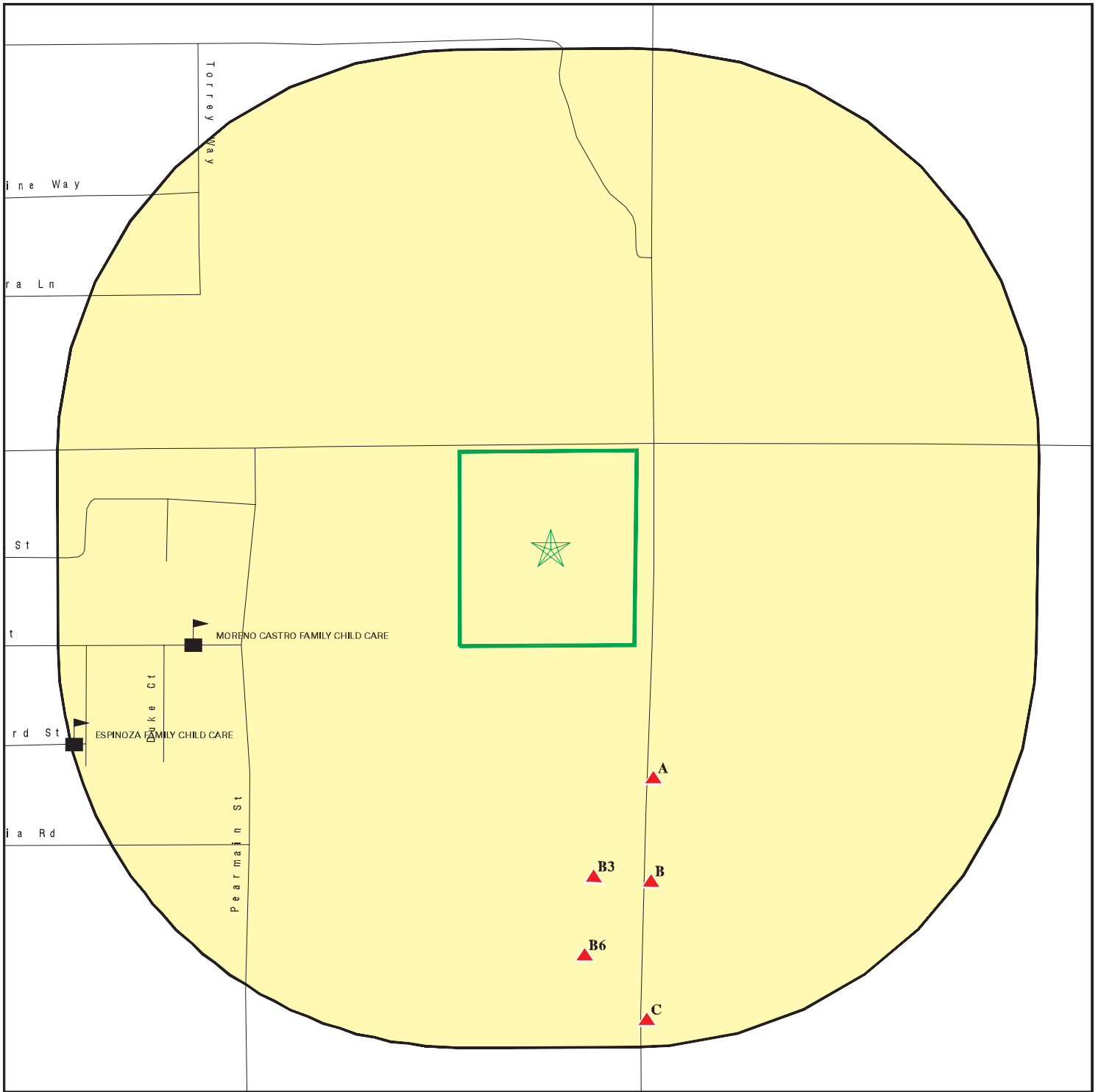









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.





SITE NAME: Proposed Quick N Clean
 ADDRESS: Southwest Corner Highway 395 / Seneca Road
 Adelanto CA 92301
 LAT/LONG: 34.513097 / 117.400529

CLIENT: Terracon Consultants, Inc.
 CONTACT: Thomas C. Johnson
 INQUIRY #: 5941439.2s
 DATE: January 21, 2020 11:13 am

DETAIL MAP - 5941439.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Proposed Quick N Clean
 ADDRESS: Southwest Corner Highway 395 / Seneca Road
 Adelanto CA 92301
 LAT/LONG: 34.513097 / 117.400529

CLIENT: Terracon Consultants, Inc.
 CONTACT: Thomas C. Johnson
 INQUIRY #: 5941439.2s
 DATE: January 21, 2020 11:16 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		0	0	0	1	NR	1
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		1	2	NR	NR	NR	3
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	1	NR	NR	NR	1
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	2	NR	NR	NR	3
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
-----------------	--	----------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A1
SSE
< 1/8
0.083 mi.
438 ft.

DOLLAR TREE #05519
14325 US HWY 395
VICTORVILLE, CA 92394

RCRA NonGen / NLR

1024846149
CAL000399946

Site 1 of 2 in cluster A

Relative:
Higher

RCRA NonGen / NLR:

Actual:
3109 ft.

Date form received by agency: 2014-08-22 00:00:00.0
 Facility name: DOLLAR TREE #05519
 Facility address: 14325 US HWY 395
 VICTORVILLE, CA 92394
 EPA ID: CAL000399946
 Mailing address: 500 VOLVO PKWY
 CHESAPEAKE, VA 23320-1604
 Contact: ANGELA JONES
 Contact address: 500 VOLVO PKWY
 CHESAPEAKE, VA 23320-1604
 Contact telephone: 757-321-5761
 Contact email: AJONES@DOLLARTREE.COM
 EPA Region: 09
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: DOLLAR TREE STORES, INC.
 Owner/operator address: 500 VOLVO PKWY
 CHESAPEAKE, VA 23320
 Owner/operator telephone: 757-321-5000
 Legal status: Other
 Owner/Operator Type: Owner

Owner/operator name: ANGELA JONES
 Owner/operator address: 500 VOLVO PKWY
 CHESAPEAKE, VA 23320
 Owner/operator telephone: 757-321-5761
 Legal status: Other
 Owner/Operator Type: Operator

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: Yes
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A2
SSE
< 1/8
0.083 mi.
438 ft.

DOLLAR TREE #05519
14325 US HIGHWAY 395
VICTORVILLE, CA 92394

CERS HAZ WASTE
San Bern. Co. Permit
CERS

S118406071
N/A

Site 2 of 2 in cluster A

Relative:
Higher

CERS HAZ WASTE:

Actual:
3109 ft.

Name: DOLLAR TREE #05519
Address: 14325 US HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92394
Site ID: 112242
CERS ID: 10588267
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:

Name: DOLLAR TREE #05519
Address: 14325 US HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92394
Region: SAN BERNARDINO
Facility ID: FA0016295
Owner: DOLLAR TREE STORES, INC.
Permit Number: PT0035087
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status: ACTIVE
Expiration Date: 12/31/2019

Name: DOLLAR TREE #05519
Address: 14325 US HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92394
Region: SAN BERNARDINO
Facility ID: FA0016295
Owner: DOLLAR TREE STORES, INC.
Permit Number: PT0037607
Permit Category: HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status: FEE EXEMPT
Expiration Date: 12/31/2017

CERS:

Name: DOLLAR TREE #05519
Address: 14325 US HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92394
Site ID: 112242
CERS ID: 10588267
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 112242
Site Name: Dollar Tree #05519
Violation Date: 04-19-2019
Citation: Un-Specified
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 05/21/2019. OBSERVATION: The information provided in CERS is incorrect. The site map indicates the wrong adjacent streets. CORRECTIVE ACTION: update the site map in CERS to indicate the correct adjacent streets.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #05519 (Continued)

S118406071

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-23-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: dollar tree inspecction
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401

Affiliation Type Desc: Identification Signer
Entity Name: Angela Jones
Entity Title: EH&S Specialist

Affiliation Type Desc: Property Owner
Entity Name: Victorville West 395, LLC c/o Rothbart Development Corp.
Affiliation Address: 1801 Avenue of the Stars, Suite 920
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90067
Affiliation Phone: (310) 277-6288

Affiliation Type Desc: Document Preparer
Entity Name: Angela Jones

Affiliation Type Desc: Legal Owner
Entity Name: Dollar Tree Stores, Inc.
Affiliation Address: 500 Volvo Pkwy
Affiliation City: Chesapeake
Affiliation State: VA
Affiliation Country: United States
Affiliation Zip: 23320
Affiliation Phone: (757) 321-5000

Affiliation Type Desc: Operator
Entity Name: Dollar Tree Stores, Inc.
Affiliation Phone: (757) 321-5000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOLLAR TREE #05519 (Continued)

S118406071

Affiliation Type Desc: Parent Corporation
Entity Name: Dollar Tree Stores, Inc.

Affiliation Type Desc: Environmental Contact
Entity Name: Stephanie Caiati
Affiliation Address: 500 Volvo Pkwy
Affiliation City: Chesapeake
Affiliation State: VA
Affiliation Zip: 23320

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 500 Volvo Pkwy
Affiliation City: Chesapeake
Affiliation State: VA
Affiliation Zip: 23320

B3
South
1/8-1/4
0.143 mi.
756 ft.

CARL'S JR #39
14292 HWY 395
ADELANTO, CA 92301

San Bern. Co. Permit S109598476
N/A

Site 1 of 4 in cluster B

Relative:
Higher

San Bern. Co. Permit:

Actual:
3114 ft.

Name: CARL'S JR #39
Address: 14292 HWY 395
City,State,Zip: ADELANTO, CA 92301
Region: SAN BERNARDINO
Facility ID: FA0012471
Owner: CKE RESTAURANTS INC
Permit Number: PT0021832
Permit Category: BULK CO2 AT RETAIL FOOD FACILITIES
Facility Status: INACTIVE
Expiration Date: 05/31/2010

B4
SSE
1/8-1/4
0.147 mi.
774 ft.

AUTOZONE #3780
14289 HIGHWAY 395
VICTORVILLE, CA 92392

CERS HAZ WASTE S118406136
San Bern. Co. Permit N/A
CERS

Site 2 of 4 in cluster B

Relative:
Higher

CERS HAZ WASTE:

Actual:
3113 ft.

Name: AUTOZONE #3780
Address: 14289 HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92392
Site ID: 386953
CERS ID: 10501627
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:

Name: AUTOZONE #3780
Address: 14289 HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92392
Region: SAN BERNARDINO
Facility ID: FA0016428

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTOZONE #3780 (Continued)

S118406136

Owner: AutoZone Stores Inc
Permit Number: PT0035414
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2020

Name: AUTOZONE #3780
Address: 14289 HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92392
Region: SAN BERNARDINO
Facility ID: FA0016428
Owner: AutoZone Stores Inc
Permit Number: PT0035415
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2020

CERS:

Name: AUTOZONE #3780
Address: 14289 HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92392
Site ID: 386953
CERS ID: 10501627
CERS Description: Chemical Storage Facilities

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:

Site ID: 386953
Facility Name: AutoZone #3780
Env Int Type Code: HMBP
Program ID: 10501627
Ref Point Type Desc: Center of a facility or station.
Latitude: 34.509820
Longitude: -117.399470

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: Dept 8190, 123 South Front Street
Affiliation City: Memphis

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTOZONE #3780 (Continued)

S118406136

Affiliation State: TN
Affiliation Zip: 38103

Affiliation Type Desc: Legal Owner
Entity Name: AutoZone Stores Inc
Affiliation Address: 123 South Front Street
Affiliation City: Memphis
Affiliation State: TN
Affiliation Country: United States
Affiliation Zip: 38103
Affiliation Phone: (901) 495-6500

Affiliation Type Desc: Operator
Entity Name: Autozone
Affiliation Phone: (702) 645-0204

Affiliation Type Desc: Environmental Contact
Entity Name: Andrew Beaven
Affiliation Address: Dept 8190, 123 South Front Street
Affiliation City: Memphis
Affiliation State: TN
Affiliation Zip: 38103

Affiliation Type Desc: Identification Signer
Entity Name: Deborah Williams
Entity Title: Environmental Coordinator

Affiliation Type Desc: Parent Corporation
Entity Name: Auto Zone

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401

Affiliation Type Desc: Document Preparer
Entity Name: Deborah Williams

Affiliation Type Desc: Property Owner
Entity Name: AUTOZONE INC
Affiliation Address: DEPT 8700, P.O. Box 2198
Affiliation City: MEMPHIS
Affiliation State: TN
Affiliation Country: United States
Affiliation Zip: 38101
Affiliation Phone: (901) 495-6500

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B5
SSE
1/8-1/4
0.147 mi.
774 ft.

AUTOZONE #3780
14289 US HIGHWAY 395
VICTORVILLE, CA 92394

RCRA NonGen / NLR

1024843773
CAL000395583

Site 3 of 4 in cluster B

Relative:
Higher

RCRA NonGen / NLR:

Actual:
3113 ft.

Date form received by agency: 2014-04-04 00:00:00
Facility name: AUTOZONE #3780
Facility address: 14289 US HIGHWAY 395
VICTORVILLE, CA 92394-9643
EPA ID: CAL000395583
Mailing address: DEPT 8190, 123 S FRONT ST
MEMPHIS, TN 38103-3607
Contact: BRYAN BLAIR
Contact address: DEPT 8190, 123 SOUTH FRONT STREET
MEMPHIS, TN 38103
Contact telephone: 901-495-7217
Contact email: BRYAN.BLAIR@AUTOZONE.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BRYAN BLAIR
Owner/operator address: DEPT 8190, 123 SOUTH FRONT STREET
MEMPHIS, TN 38103
Owner/operator telephone: 901-495-7217
Legal status: Other
Owner/Operator Type: Operator

Owner/operator name: AUTO ZONE CORPORTATION
Owner/operator address: 123 S FRONT ST
MEMPHIS, TN 38103
Owner/operator telephone: 901-495-6500
Legal status: Other
Owner/Operator Type: Owner

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 373173/2019 (Continued)

S118406039

Address: 14217 HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92394
Region: SAN BERNARDINO
Facility ID: FA0016236
Owner: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Permit Number: PT0035402
Permit Category: HAZMAT HANDLER, UST ONLY - PER YEAR
Facility Status: ACTIVE
Expiration Date: 10/31/2019

Name: CHEVRON STATION# 373173/2019
Address: 14217 HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92394
Region: SAN BERNARDINO
Facility ID: FA0016236
Owner: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Permit Number: PT0035403
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR
Facility Status: ACTIVE
Expiration Date: 10/31/2019

Name: CHEVRON STATION# 373173/2019
Address: 14217 HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92394
Region: SAN BERNARDINO
Facility ID: FA0016236
Owner: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Permit Number: PT0035025
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2019

Name: CHEVRON STATION# 373173/2019
Address: 14217 HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92394
Region: SAN BERNARDINO
Facility ID: FA0016236
Owner: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Permit Number: PT0035026
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2019

Name: CHEVRON STATION# 373173/2019
Address: 14217 HIGHWAY 395
City,State,Zip: VICTORVILLE, CA 92394
Region: SAN BERNARDINO
Facility ID: FA0016236
Owner: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Permit Number: PT0035024
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2019

CERS:

Name: CHEVRON STATION# 373173/2019
Address: 14217 HIGHWAY 395

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 373173/2019 (Continued)

S118406039

City,State,Zip: VICTORVILLE, CA 92394
Site ID: 18463
CERS ID: 10594819
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 18463
Site Name: CHEVRON STATION# 373173/2019
Violation Date: 09-19-2018
Citation: HSC 6.7 25291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(b)
Violation Description: Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance into the secondary containment.
Violation Notes: Returned to compliance on 01/08/2019. OBSERVATION: Sensor S17 - Diesel STP (Annular) was not pulling vacuum at the time of inspection and therefore was not certified during the annual monitoring certification. Contractors were on site during the inspection trying to address the issue, but the issue could not be addressed at the time of inspection. CORRECTIVE ACTION: Submit a work plan showing that the issue was addressed along with the Certificate of Compliance. This sensor will have to be certified as part of the annual monitoring certification.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST MONITORING CERTIFICATION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HAZMAT INSPECTION UST ONLY
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Cers approved
Eval Division: Victorville City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 373173/2019 (Continued)

S118406039

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	New station final insp
Eval Division:	Victorville City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-12-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST OVERFILL INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-26-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION ANNUAL UST MONITORING CERT AT CHEVRON 373173 IN VICTORVILLE.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-29-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST INSPECTION AND CERS REVIEW
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST WASTE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-26-2017
Violations Found:	No
Eval Type:	Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 373173/2019 (Continued)

S118406039

Eval Notes: INSPECTION_WASTE_ANNUAL MONITORING CERTIFICATION AT CHEVORN 373173 IN VICTORVILLE.
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: New Station final tank insp
Eval Division: Victorville City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-17-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST REINSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-21-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ANNUAL UST INSPECTION DURING MONITORING CERT
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION_HAZARDOUS MATERIALS_ANNUAL MONITORING CERT AT CHEVRON 373173 IN VICTORVILLE.
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 373173/2019 (Continued)

S118406039

Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Zip: 94583

Affiliation Type Desc: Identification Signer
Entity Name: Pedro R Carranza
Entity Title: RETAIL HES SPECIALIST

Affiliation Type Desc: UST Property Owner Name
Entity Name: VICTORVILLE WEST 395 LLC C/O ROTHBART DEVELOPMENT, ATTN: STAN ROTHBART
Affiliation Address: 1801 AVENUE OF THE STARS, SUITE 920
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90067
Affiliation Phone: (310) 277-6288

Affiliation Type Desc: Document Preparer
Entity Name: Pedro R Carranza

Affiliation Type Desc: Operator
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Affiliation Phone: (760) 951-2021

Affiliation Type Desc: Property Owner
Entity Name: VICTORVILLE WEST 395 LLC C/O ROTHBART DEVELOPMENT, ATTN: STAN ROTHBART
Affiliation Address: 1801 AVENUE OF THE STARS, SUITE 920
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90067
Affiliation Phone: (310) 277-6288

Affiliation Type Desc: UST Tank Operator
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Affiliation Address: P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583
Affiliation Phone: (925) 842-9002

Affiliation Type Desc: Environmental Contact
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Affiliation Address: P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Zip: 94583

Affiliation Type Desc: Legal Owner
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 373173/2019 (Continued)

S118406039

Affiliation Address: P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583
Affiliation Phone: (925) 842-9002

Affiliation Type Desc: Parent Corporation
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)

Affiliation Type Desc: UST Permit Applicant
Entity Name: CHARLES BITTLE - 10/5/2015
Entity Title: RETAIL HES
Affiliation Phone: (925) 842-9002

Affiliation Type Desc: UST Tank Owner
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Affiliation Address: P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583
Affiliation Phone: (925) 842-9002

C9
SSE
1/8-1/4
0.233 mi.
1228 ft.

CHEVRON 373173
14217 HWY 395 AND PALMDALE RD
VICTORVILLE, CA 92394

RCRA NonGen / NLR **1016955264**
CAR000250233

Site 3 of 3 in cluster C

Relative:
Higher
Actual:
3120 ft.

RCRA NonGen / NLR:
Date form received by agency: 2014-10-23 00:00:00.0
Facility name: CHEVRON 373173
Facility address: 14217 HWY 395 AND PALMDALE RD
VICTORVILLE, CA 92394-0000
EPA ID: CAR000250233
Mailing address: PO BOX 6004
SAN RAMON, CA 94583-0000
Contact: KWAME AWUKU
Contact address: 6001 BOLLINGER CANYON RD.
SAN RAMON, CA 94583
Contact telephone: 877-386-6044
Contact email: NAWTDESK@CHEVRON.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: CHEVRON FREIGHT TOOLS USA INC
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583
Owner/operator telephone: 877-386-6044
Legal status: Other
Owner/Operator Type: Owner
Owner/operator name: YVONNE WOLF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON 373173 (Continued)

1016955264

Owner/operator country: US
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2013-11-13 00:00:00.

Owner/operator name: CHEVRON USA
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583

Owner/operator country: US
Owner/operator telephone: 877-386-6044
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2013-11-13 00:00:00.

Owner/operator name: KWAME AWUKU
Owner/operator address: 6001 BOLLINGER CANYON RD.
SAN RAMON, CA 94583

Owner/operator telephone: 877-386-6044
Legal status: Other
Owner/Operator Type: Operator

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: Yes
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2014-10-07 00:00:00.0
Site name: CHEVRON 373173
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON 373173 (Continued)

1016955264

Violation Status: No violations found

10
SSE
1/2-1
0.891 mi.
4707 ft.

GUS FRANKLIN JR. ELEMENTARY SCHOOL #22
NORTHEAST CORNER DOS PALMAS ROAD AND CASITAS
VICTORVILLE, CA 92392

ENVIROSTOR **S118757176**
SCH **N/A**

Relative:
Higher
Actual:
3155 ft.

ENVIROSTOR:
Name: GUS FRANKLIN JR. ELEMENTARY SCHOOL #22
Address: NORTHEAST CORNER DOS PALMAS ROAD AND CASITAS
City,State,Zip: VICTORVILLE, CA 92392
Facility ID: 60000871
Status: No Action Required
Status Date: 07/25/2008
Site Code: 404791
Site Type: School Investigation
Site Type Detailed: School
Acres: 15
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Rana Georges
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 33
Senate: 21
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.50027
Longitude: -117.3936
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: 404791
Alias Type: Project Code (Site Code)
Alias Name: 60000871
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: Phase 1
Completed Date: 07/25/2008
Comments: DTSC approved the site with No Action determination.

Completed Area Name: PROJECT WIDE
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/01/2008
Comments: CRU memo issued.

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/25/2008
Comments: Site visit by DTSC staff to inspect conditions.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUS FRANKLIN JR. ELEMENTARY SCHOOL #22 (Continued)

S118757176

SCH:

Name: GUS FRANKLIN JR. ELEMENTARY SCHOOL #22
Address: NORTHEAST CORNER DOS PALMAS ROAD AND CASITAS
City,State,Zip: VICTORVILLE, CA 92392
Facility ID: 60000871
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 15
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Rana Georges
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404791
Assembly: 33
Senate: 21
Status: No Action Required
Status Date: 07/25/2008
Restricted Use: NO
Funding: School District
Latitude: 34.50027
Longitude: -117.3936
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: 404791
Alias Type: Project Code (Site Code)
Alias Name: 60000871
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: Phase 1
Completed Date: 07/25/2008
Comments: DTSC approved the site with No Action determination.

Completed Area Name: PROJECT WIDE
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/01/2008
Comments: CRU memo issued.

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/25/2008
Comments: Site visit by DTSC staff to inspect conditions.

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ADELANTO	S107539509		NEAR CORNER OF SUN HILL AND HW		CDL
SAN BERNARDINO COUN	S107538165		CORNER OF HWY 247 & 18 AND 76		CDL
VICTORVILLE	S107538158		CORNER OF FOXFIRE RD & MONTERE	92392	CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
CA	BROWNFIELDS	Considered Brownfields Sites Listing	State Water Resources Control Board	09/23/2019	09/24/2019	11/06/2019
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	06/30/2018	07/16/2019	09/24/2019
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	10/21/2019	10/22/2019	01/03/2020
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	10/21/2019	10/22/2019	01/02/2020
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	10/21/2019	10/22/2019	01/03/2020
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	05/15/2019	06/24/2019	08/21/2019
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	09/03/2019	09/04/2019	11/05/2019
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	09/23/2019	09/24/2019	11/06/2019
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	09/09/2019	09/09/2019	11/06/2019
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	05/01/2019	05/14/2019	07/17/2019
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	10/31/2019	11/01/2019	12/11/2019
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	09/03/2019	09/04/2019	11/05/2019
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	08/28/2019	08/30/2019	10/29/2019
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	09/27/2019	10/01/2019	11/07/2019
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	09/06/2019	10/11/2019	12/12/2019
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2017	06/24/2019	08/22/2019
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	07/19/2019	07/22/2019	09/26/2019
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	10/28/2019	10/29/2019	01/07/2020
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	10/17/2019	10/22/2019	01/02/2020
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	11/08/2019	11/12/2019	01/08/2020
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	03/26/2019	03/27/2019	04/30/2019
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2017	05/29/2019	07/22/2019
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	08/19/2019	08/20/2019	10/18/2019
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	10/07/2019	10/08/2019	11/07/2019
CA	ICE	ICE	Department of Toxic Substances Control	08/19/2019	08/20/2019	10/18/2019
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Quality Control Board	09/09/2019	09/09/2019	11/05/2019
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	08/29/2019	08/30/2019	10/29/2019
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	09/09/2019	09/09/2019	10/31/2019
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	09/09/2019	09/09/2019	11/05/2019
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	09/09/2019	09/09/2019	11/01/2019
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	09/09/2019	09/09/2019	11/01/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	MINES	Mines Site Location Listing	Department of Conservation	09/09/2019	09/09/2019	11/05/2019
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	07/19/2019	09/04/2019	11/05/2019
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	09/09/2019	09/09/2019	11/01/2019
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	09/16/2019	09/18/2019	11/06/2019
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	11/11/2019	11/12/2019	01/08/2020
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	09/09/2019	09/09/2019	11/01/2019
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	09/03/2019	09/04/2019	11/05/2019
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	09/09/2019	09/09/2019	11/05/2019
CA	PROC	Certified Processors Database	Department of Conservation	09/09/2019	09/09/2019	11/05/2019
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	09/09/2019	09/09/2019	11/01/2019
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	09/09/2019	09/09/2019	11/01/2019
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	10/28/2019	10/29/2019	01/07/2020
CA	RGALF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGALUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	09/09/2019	09/09/2019	11/01/2019
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	08/01/2019	08/02/2019	10/11/2019
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	10/28/2019	10/29/2019	01/07/2020
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	11/11/2019	11/12/2019	01/08/2020
CA	SWRCY	Recycler Database	Department of Conservation	09/09/2019	09/09/2019	11/07/2019
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	08/20/2019	08/20/2019	11/18/2019
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	09/09/2019	09/09/2019	11/01/2019
CA	UST	Active UST Facilities	SWRCB	09/09/2019	09/09/2019	10/31/2019
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	09/06/2019	09/09/2019	10/31/2019
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	08/20/2019	09/09/2019	10/31/2019
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	10/28/2019	10/29/2019	01/07/2020
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	05/08/2018	07/11/2018	09/13/2018
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	09/09/2019	09/09/2019	11/06/2019
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	09/09/2019	09/09/2019	11/01/2019
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/10/2019	09/10/2019	10/17/2019
US	BRS	Biennial Reporting System	EPANTIS	12/31/2015	02/22/2017	09/28/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2018	12/04/2019	01/15/2020
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	09/30/2019	10/09/2019	12/20/2019
US	CORRACTS	Corrective Action Report	EPA	12/16/2019	12/16/2019	12/20/2019
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	10/01/2019	10/29/2019	01/15/2020
US	Delisted NPL	National Priority List Deletions	EPA	10/25/2019	11/07/2019	11/20/2019
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	10/06/2019	10/08/2019	01/02/2020
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	09/09/2019	09/09/2019	09/23/2019
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	04/03/2019	04/05/2019	05/14/2019
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	08/27/2019	08/28/2019	11/11/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	08/12/2019	09/04/2019	12/03/2019
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	05/15/2019	05/21/2019	08/08/2019
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/19/2019	08/20/2019	11/11/2019
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/24/2019	06/26/2019	09/23/2019
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/11/2019	07/29/2019	10/17/2019
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/16/2019	07/29/2019	10/17/2019
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	04/12/2019	07/29/2019	10/17/2019
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/08/2019	07/30/2019	10/17/2019
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	05/01/2019	07/29/2019	10/17/2019
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	07/02/2019	10/16/2019	10/24/2019
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	05/02/2019	10/22/2019	11/11/2019
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/08/2019	07/29/2019	10/17/2019
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/11/2019	07/30/2019	10/17/2019
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/16/2019	07/30/2019	10/17/2019
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	04/12/2019	07/29/2019	10/17/2019
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/08/2019	07/29/2019	10/17/2019
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	05/01/2019	07/29/2019	10/17/2019
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	05/02/2019	07/29/2019	10/17/2019
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	05/02/2019	10/22/2019	11/11/2019
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/08/2019	07/29/2019	10/17/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Listing	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	10/25/2019	11/07/2019	11/20/2019
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	10/25/2019	11/07/2019	11/20/2019
US	LUCIS	Land Use Control Information System	Department of the Navy	08/13/2019	08/20/2019	08/26/2019
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	09/17/2019	09/18/2019	12/03/2019
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/25/2019	10/25/2019	01/15/2020
US	NPL	National Priority List	EPA	10/25/2019	11/07/2019	11/20/2019
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	10/09/2019	10/11/2019	12/20/2019
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	PRP	Potentially Responsible Parties	EPA	10/25/2019	11/07/2019	11/21/2019
US	Proposed NPL	Proposed National Priority List Sites	EPA	10/25/2019	11/07/2019	11/20/2019
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RMP	Risk Management Plans	Environmental Protection Agency	04/25/2019	05/02/2019	05/23/2019
US	ROD	Records Of Decision	EPA	10/25/2019	11/07/2019	11/20/2019
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	10/25/2019	11/07/2019	11/21/2019
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	10/25/2019	11/07/2019	11/21/2019
US	SSTS	Section 7 Tracking Systems	EPA	05/01/2019	10/23/2019	01/15/2020
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2017	11/16/2018	11/21/2019
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/01/2019	08/21/2019	11/11/2019
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/03/2019	06/04/2019	08/26/2019
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	06/11/2019	06/13/2019	09/03/2019
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	08/19/2019	08/20/2019	08/26/2019
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	09/23/2019	09/24/2019	12/20/2019
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	06/11/2019	06/13/2019	09/03/2019
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	08/19/2019	08/20/2019	08/26/2019
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/01/2019	08/27/2019	11/11/2019
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2017	01/17/2019	04/01/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	05/14/2019	05/14/2019	08/05/2019
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	05/01/2019	06/21/2019
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2018	10/02/2019	12/10/2019
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
CA	Daycare Centers	Sensitive Receptor: Licensed Facilities	Department of Social Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
CA	State Wetlands	Wetland Inventory	Department of Fish and Wildlife			
US	Topographic Map	Current USGS 7.5 Minute Topographic Map	U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PROPOSED QUICK N CLEAN
SOUTHWEST CORNER HIGHWAY 395 / SENECA ROAD
ADELANTO, CA 92301

TARGET PROPERTY COORDINATES

Latitude (North):	34.513097 - 34° 30' 47.15"
Longitude (West):	117.400529 - 117° 24' 1.90"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	463234.9
UTM Y (Meters):	3818926.2
Elevation:	3102 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5619052 ADELANTO, CA
Version Date:	2012
South Map:	5630603 BALDY MESA, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

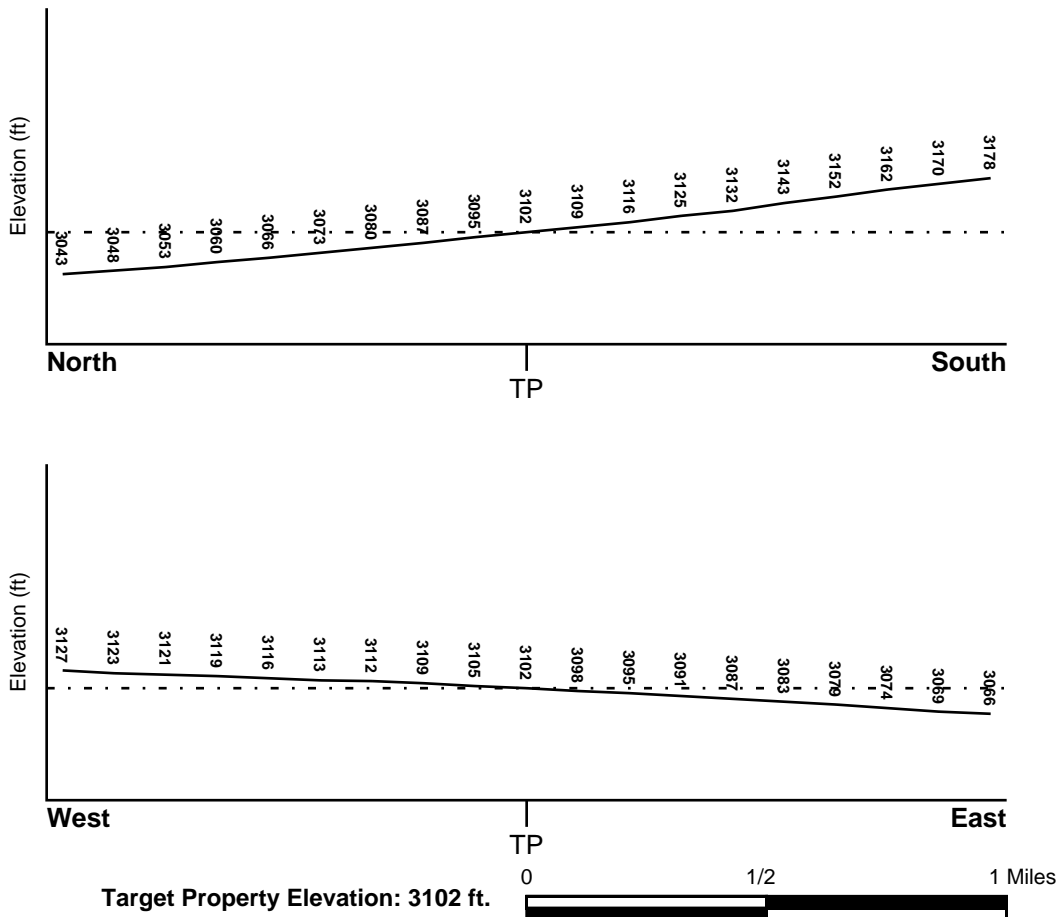
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06071C5795H	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06071C5795F	FEMA Q3 Flood data
06071C6475F	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

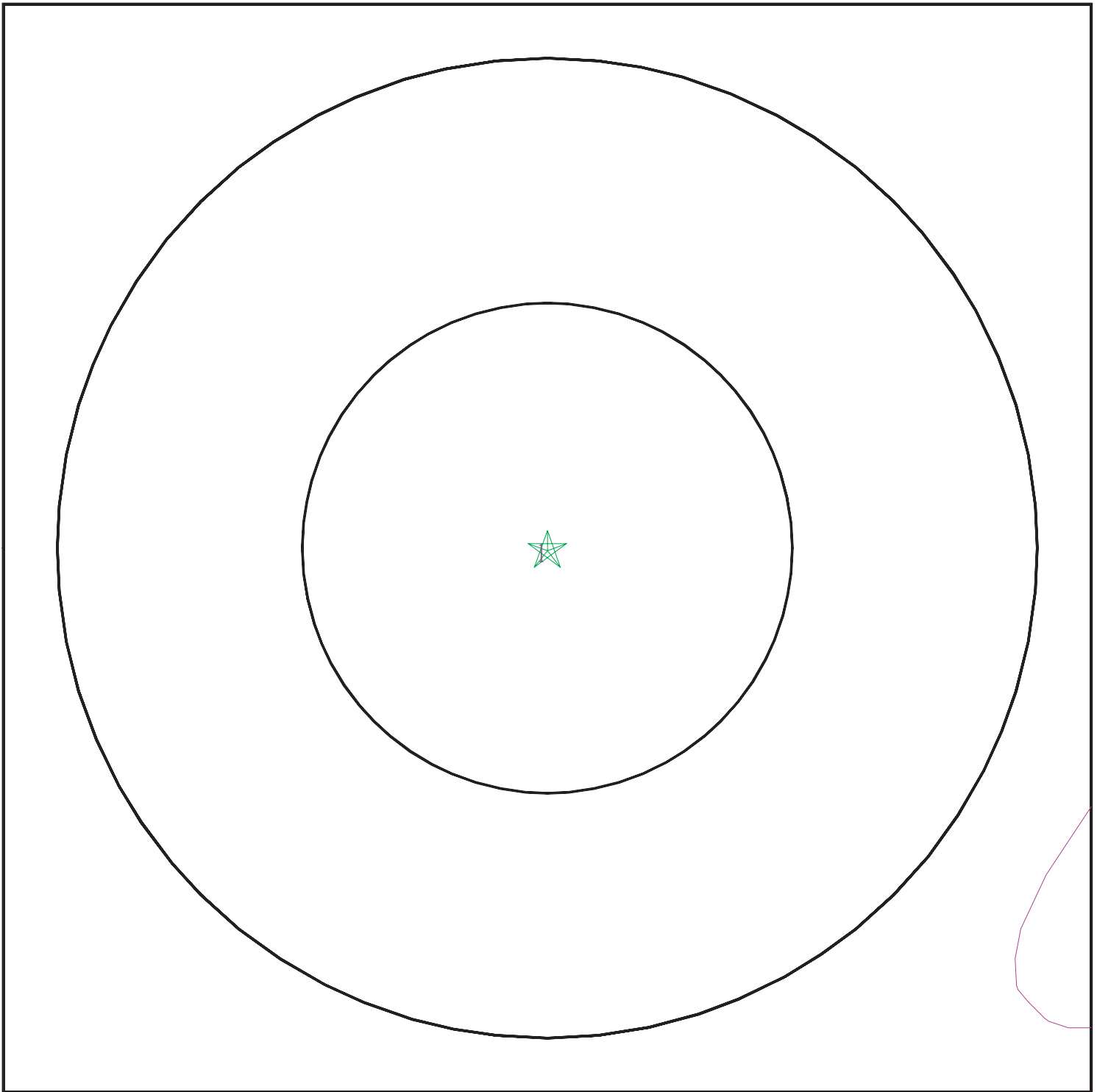
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5941439.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Proposed Quick N Clean
ADDRESS: Southwest Corner Highway 395 / Seneca Road
Adelanto CA 92301
LAT/LONG: 34.513097 / 117.400529

CLIENT: Terracon Consultants, Inc.
CONTACT: Thomas C. Johnson
INQUIRY #: 5941439.2s
DATE: January 21, 2020 11:17 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: CAJON

Soil Surface Texture:
Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	7 inches	25 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
3	25 inches	44 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
4	44 inches	59 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	USGS40000146501	1/4 - 1/2 Mile NE
A6	USGS40000146394	1/4 - 1/2 Mile SSE
A9	USGS40000146393	1/4 - 1/2 Mile SSE
10	USGS40000146392	1/4 - 1/2 Mile SSE
B13	USGS40000146390	1/4 - 1/2 Mile South
B14	USGS40000146389	1/4 - 1/2 Mile South
C15	USGS40000146344	1/2 - 1 Mile South
17	USGS40000146332	1/2 - 1 Mile SSE
D18	USGS40000146345	1/2 - 1 Mile SW
E21	USGS40000146343	1/2 - 1 Mile SE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

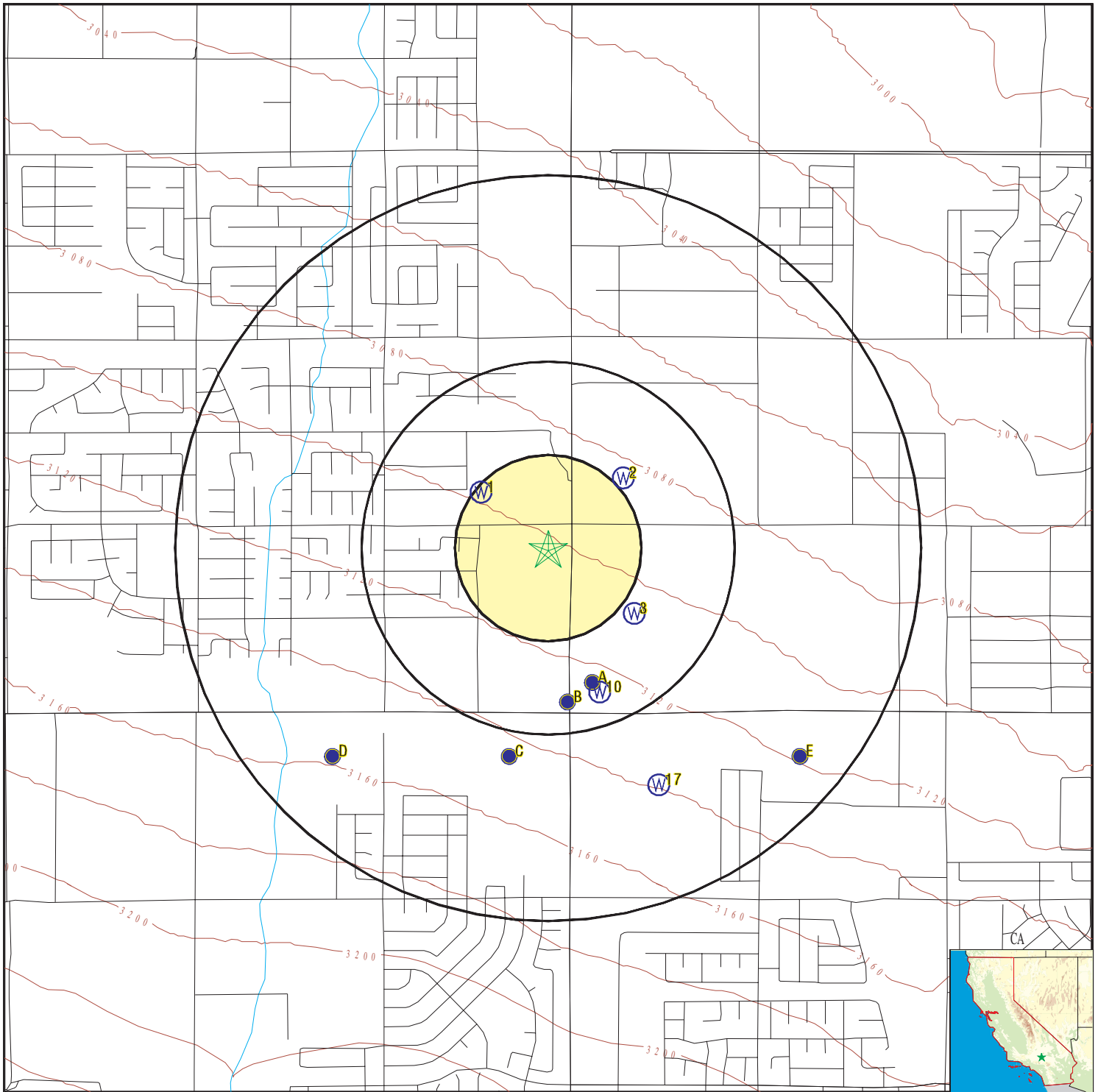
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

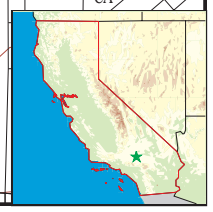
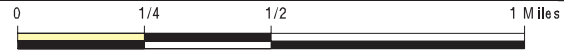
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	5554	1/8 - 1/4 Mile NW
3	5553	1/4 - 1/2 Mile SE
A4	5555	1/4 - 1/2 Mile SSE
B5	CADWR8000009792	1/4 - 1/2 Mile South
B7	CADWR8000009791	1/4 - 1/2 Mile SSE
A8	CADWR8000009793	1/4 - 1/2 Mile SSE
B11	CADWR8000009788	1/4 - 1/2 Mile South
B12	CADWR8000009789	1/4 - 1/2 Mile South
C16	CADWR8000009750	1/2 - 1 Mile SSW
D19	CADWR8000009751	1/2 - 1 Mile SW
E20	CADWR8000009749	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 5941439.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Proposed Quick N Clean
 ADDRESS: Southwest Corner Highway 395 / Seneca Road
 Adelanto CA 92301
 LAT/LONG: 34.513097 / 117.400529

CLIENT: Terracon Consultants, Inc.
 CONTACT: Thomas C. Johnson
 INQUIRY #: 5941439.2s
 DATE: January 21, 2020 11:17 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
NW
1/8 - 1/4 Mile
Lower

CA WELLS 5554

Seq:	5554	Prim sta c:	05N/05W-16R01 S
Frds no:	3601011001	County:	36
District:	66	User id:	36C
System no:	3601011	Water type:	G
Source nam:	WELL	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	343055.0	Longitude:	1172410.0
Precision:	2	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3601011	System nam:	Golden Pond Rv/M Overland
Hqname:	Not Reported	Address:	14530 HWY 395
City:	VICTORVILLE	State:	CA
Zip:	92392	Zip ext:	Not Reported
Pop serv:	308	Connection:	88
Area serve:	Not Reported		

2
NE
1/4 - 1/2 Mile
Lower

FED USGS USGS40000146501

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005N005W15N001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG ACCURATE +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Units:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19510415	Well Depth:	373
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

3
SE
1/4 - 1/2 Mile
Higher

CA WELLS 5553

Seq:	5553	Prim sta c:	05N/05W-15E01 S
Frds no:	3600633001	County:	36
District:	66	User id:	36C
System no:	3600633	Water type:	G
Source nam:	MAIN WELL	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	343038.0	Longitude:	1172344.0
Precision:	2	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System no:	3600633	System nam:	Bec Apartments (Hi-Desert Rv Park)
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

**A4
SSE
1/4 - 1/2 Mile
Higher**

CA WELLS 5555

Seq:	5555	Prim sta c:	05N/05W-22E03 S
Frds no:	3600791001	County:	36
District:	66	User id:	36C
System no:	3600791	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	343031.0	Longitude:	1172352.0
Precision:	2	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3600791	System nam:	Cocky Bull
Hqname:	Not Reported	Address:	14180 HWY 395
City:	VICTORVILLE	State:	CA
Zip:	92392	Zip ext:	Not Reported
Pop serv:	100	Connection:	1
Area serve:	Not Reported		

Sample date:	28-FEB-13	Finding:	3.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

Sample date:	24-SEP-12	Finding:	4.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

**B5
South
1/4 - 1/2 Mile
Higher**

CA WELLS CADWR8000009792

State Well #:	05N05W22E001S	Station ID:	27865
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Upper Mojave River Valley	Well Completion Rpt #:	Not Reported

**A6
SSE
1/4 - 1/2 Mile
Higher**

FED USGS USGS40000146394

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005N005W22E006S	Type:	Well
Description:	Not Reported	HUC:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	2004-04-30
Feet below surface:	375.14	Feet to sea level:	Not Reported
Note:	A nearby site that taps the same aquifer was being pumped.		

**B7
SSE
1/4 - 1/2 Mile
Higher**

CA WELLS CADWR8000009791

State Well #:	05N05W22E002S	Station ID:	4813
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Upper Mojave River Valley	Well Completion Rpt #:	Not Reported

**A8
SSE
1/4 - 1/2 Mile
Higher**

CA WELLS CADWR8000009793

State Well #:	05N05W22E006S	Station ID:	25495
Well Name:	05N05W22E06	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Upper Mojave River Valley	Well Completion Rpt #:	Not Reported

**A9
SSE
1/4 - 1/2 Mile
Higher**

FED USGS USGS40000146393

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005N005W22E001S	Type:	Well
Description:	NO LONGER ACCESSIBLE 2-29-60		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1908	Well Depth:	540
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	23	Level reading date:	1959-11-03
Feet below surface:	311.01	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1959-03-10	Feet below surface:	306.11
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1958-03-08	Feet below surface:	311.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-06	Feet below surface:	312.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-29	Feet below surface:	305.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-19	Feet below surface:	313.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12-17	Feet below surface:	303.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-03	Feet below surface:	309.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-05	Feet below surface:	312.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-04-11	Feet below surface:	303.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-10	Feet below surface:	307.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-05	Feet below surface:	298.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-11-28	Feet below surface:	296.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-13	Feet below surface:	302.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11-26	Feet below surface:	302.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-15	Feet below surface:	301.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-08	Feet below surface:	301.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-01-11	Feet below surface:	303.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-02	Feet below surface:	301.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11-23	Feet below surface:	300.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05-05	Feet below surface:	299.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-11-03	Feet below surface:	299.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1918	Feet below surface:	297.5
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

10
SSE
1/4 - 1/2 Mile
Higher

FED USGS USGS40000146392

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005N005W22E002S	Type:	Well
Description:	Not Reported	HUC:	18090208
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	510
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	69	Level reading date:	2004-03-22
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	An obstruction was encountered in the well above the water surface (no water level recorded).		

Level reading date:	2004-03-10	Feet below surface:	Not Reported
Feet to sea level:	Not Reported	Note:	The measurement was discontinued.

Level reading date:	2003-10-31	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	An obstruction was encountered in the well above the water surface (no water level recorded).		

Level reading date:	2003-04-01	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	An obstruction was encountered in the well above the water surface (no water level recorded).		

Level reading date:	2003-03-05	Feet below surface:	372.27
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-12-05	Feet below surface:	375.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-04-02	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	An obstruction was encountered in the well above the water surface (no water level recorded).		

Level reading date:	2002-03-27	Feet below surface:	369.49
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-11-20	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	An obstruction was encountered in the well above the water surface (no water level recorded).		

Level reading date:	2001-03-22	Feet below surface:	365.30
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-10-19	Feet below surface:	372.42
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-03-23	Feet below surface:	366.08
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1999-10-13	Feet below surface:	371.50
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-03-22	Feet below surface:	361.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-14	Feet below surface:	362.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-13	Feet below surface:	360.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-05-28	Feet below surface:	376.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-10	Feet below surface:	356.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-09	Feet below surface:	354.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-10	Feet below surface:	324.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-06	Feet below surface:	336.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-12	Feet below surface:	335.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-03-30	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	An obstruction was encountered in the well above the water surface (no water level recorded).		
Level reading date:	1986-12-12	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	An obstruction was encountered in the well above the water surface (no water level recorded).		
Level reading date:	1986-10-10	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	An obstruction was encountered in the well above the water surface (no water level recorded).		
Level reading date:	1986-07-14	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	An obstruction was encountered in the well above the water surface (no water level recorded).		
Level reading date:	1986-01-23	Feet below surface:	334.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-17	Feet below surface:	380.68
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1985-05-14	Feet below surface:	328.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-01-16	Feet below surface:	324.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-18	Feet below surface:	328.53
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.
Level reading date:	1984-05-21	Feet below surface:	326.88
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1984-03-28	Feet below surface:	322.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-12-28	Feet below surface:	322.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-10-19	Feet below surface:	324.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-26	Feet below surface:	324.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-18	Feet below surface:	321.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-14	Feet below surface:	322.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-20	Feet below surface:	324.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-26	Feet below surface:	321.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-01	Feet below surface:	322.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-07	Feet below surface:	333.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-26	Feet below surface:	322.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-25	Feet below surface:	320.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-03	Feet below surface:	320.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-22	Feet below surface:	319.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-25	Feet below surface:	316.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-07	Feet below surface:	318.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-25	Feet below surface:	314.68
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.
Level reading date:	1969-10-21	Feet below surface:	314.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-02	Feet below surface:	314.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-04	Feet below surface:	314.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-09	Feet below surface:	313.76
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1967-10-25	Feet below surface:	316.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-21	Feet below surface:	313.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-17	Feet below surface:	314.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-05	Feet below surface:	315.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-15	Feet below surface:	315.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-15	Feet below surface:	315.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-12	Feet below surface:	316.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-16	Feet below surface:	313.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-28	Feet below surface:	309.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-11	Feet below surface:	312.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-10-29	Feet below surface:	308.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-13	Feet below surface:	307.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-10-24	Feet below surface:	307.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-03-15	Feet below surface:	301.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-07	Feet below surface:	307.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-29	Feet below surface:	306.00
Feet to sea level:	Not Reported	Note:	Not Reported

B11
South
1/4 - 1/2 Mile
Higher

CA WELLS CADWR8000009788

State Well #:	05N05W22E005S	Station ID:	27866
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Upper Mojave River Valley	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B12
South
1/4 - 1/2 Mile
Higher

CA WELLS CADWR8000009789

State Well #:	05N05W22M001S	Station ID:	4815
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Upper Mojave River Valley	Well Completion Rpt #:	Not Reported

B13
South
1/4 - 1/2 Mile
Higher

FED USGS USGS40000146390

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005N005W22M001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG ACCURATE +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Units:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	330.9
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	2	Level reading date:	1957-01-27
Feet below surface:	307.09	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1917	Feet below surface:	300
Feet to sea level:	Not Reported	Note:	Not Reported

B14
South
1/4 - 1/2 Mile
Higher

FED USGS USGS40000146389

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005N005W22E005S	Type:	Well
Description:	REPORTEDLY DRILLED IN EARLY 1970'S		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Units:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	3	Level reading date:	2002-03-15
Feet below surface:	367.78	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1996-05-21	Feet below surface:	353.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09	Feet below surface:	355
Feet to sea level:	Not Reported	Note:	Not Reported

C15
South
1/2 - 1 Mile
Higher

FED USGS USGS40000146344

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005N005W21J001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG ACCURATE +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Units:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1952	Well Depth:	500
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-01-23
Feet below surface:	348.10	Feet to sea level:	Not Reported
Note:	Not Reported		

C16
SSW
1/2 - 1 Mile
Higher

CA WELLS CADWR8000009750

State Well #:	05N05W21J001S	Station ID:	27864
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Upper Mojave River Valley	Well Completion Rpt #:	Not Reported

17
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000146332

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005N005W22M002S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG ACCURATE +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Units:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	325
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D18
SW
1/2 - 1 Mile
Higher

FED USGS USGS40000146345

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005N005W21L001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG ACCURATE +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	320
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-01-23
Feet below surface:	317	Feet to sea level:	Not Reported
Note:	Not Reported		

D19
SW
1/2 - 1 Mile
Higher

CA WELLS CADWR8000009751

State Well #:	05N05W21L001S	Station ID:	4812
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Upper Mojave River Valley	Well Completion Rpt #:	Not Reported

E20
SE
1/2 - 1 Mile
Higher

CA WELLS CADWR8000009749

State Well #:	05N05W22K001S	Station ID:	4814
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Upper Mojave River Valley	Well Completion Rpt #:	Not Reported

E21
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000146343

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005N005W22K001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG ACCURATE +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Date:	1938	Well Depth:	437
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		
Ground water levels, Number of Measurements:	2	Level reading date:	1956-06-26
Feet below surface:	288.4	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1938	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92301	7	0

Federal EPA Radon Zone for SAN BERNARDINO County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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**APPENDIX E
CREDENTIALS**

Thomas C. Johnson

Field Geologist

PROFESSIONAL EXPERIENCE

Mr. Johnson joined Terracon's Colton, CA office in October 2019, and is gaining professional experience in Environmental Services, Phase I Environmental Site Assessments (ESAs). He prepares environmental site assessment reports, soil management reports, researches city directories and regulatory agency files, and reviews aerial photographs and topographic maps. In addition, he assists the Senior Project Manager in Phase I Environmental Site Assessments.

Project Experience

Undeveloped/Vacant – Highland, California

Environmental Site Assessments on undeveloped and vacant properties.

Commercial Facility – Yucaipa, California

Environmental Site Assessments on distribution and manufacturing facilities.

Undeveloped/Vacant – Lancaster, California

Environmental Site Assessments on undeveloped and vacant properties.

Cell Tower Site – West Hills, California

Environmental Site Assessments on commercial cell tower properties.

EDUCATION

*Bachelor of Science, Geology,
University of California Riverside,
Riverside, CA*

*Associate of Art, Math/Science,
Copper Mountain College, Joshua
Tree, CA*

Work History

*Terracon Consulting, Inc. (Colton)
Field Geologist
October 2019 to Present*

CARL A. PARTEN, P.G.

OFFICE MANAGER

PROFESSIONAL EXPERIENCE

Mr. Parten has over twenty-nine years of experience in environmental consulting in multiple regional regulatory districts throughout the United States. His professional experience includes comprehensive site investigations and remediation studies for Industrial and Hazardous Waste sites, municipal solid waste landfill sites and underground storage tank (UST) facilities.

He has successfully managed and obtained regulatory closure of over 30 Voluntary Cleanup Program (VCP) sites and leaking underground storage tank (LUST) facilities, and coordinated UST removal and closure for numerous facilities in multiple states throughout the United States. Mr. Parten continues to serve as a technical lead with Terracon and he possesses extensive experience in the installation of monitor wells, aquifer characterization, sensitive receptor surveys, risk-based assessments, vapor intrusion (VI) evaluations, and soil-gas assessments. Additionally, he has extensive experience in comprehensive soil and groundwater investigations on industrial facilities and municipal solid waste (MSW) landfill facilities, including evaluation of landfill gas/methane impacts. He has prepared and implemented corrective action work plans for remediation of chlorinated hydrocarbons at dry cleaner facilities and petroleum hydrocarbons at LUST facilities, MSW landfill facilities, and managed and implemented groundwater pump and treat, non-aqueous phase liquid (NAPL) recovery, and dual-phase vapor extraction systems for the recovery of petroleum hydrocarbons. Additionally, Mr. Parten developed work plans and implemented the remediation of heavy metals and poly-nuclear aromatic hydrocarbons (PAHs).

PROJECT EXPERIENCE

Industrial Facility – Union City, California

Subsurface investigation and delineation of heavy metals and polynuclear aromatic hydrocarbons (PAHs) in soil to facilitate the development of response actions and waste characterization/disposal of impacted environmental media at a large industrial facility with over sixty years of operations. Consulting services included preparation of investigation reports, response action work plans, and client/regulatory interaction.

Industrial Facility – Land-use Change/Private School, Los Angeles, CA

Environmental consulting services including Phase I Environmental Site Assessments (ESA) due diligence support, subsurface investigation activities to evaluate environmental media including soil, groundwater, soil gas and indoor / outdoor air. Services included a land-use change from an industrial facility to a private school. Prepared environmental investigation reports, regulatory interaction, corrective action design and work plan for management of environmental media.

USARC Facility – Mare Island, California

Environmental team leader for evaluation of an existing 32-acre military facility, Mare Island in California. The teaming effort included the preparation of a Technical Assessment report on the facility to provide USAR a decision making and programming tool to establish future

Education

Bachelor of Science, Geology, Sul Ross State University, Alpine, Texas, 1994

Additional Courses:

University of Houston TCEQ Texas Risk Reduction Program: Mod. I, II, and III

Roadmap to Remediation

CAPM Refresher Course, Texas A&M University

TNRCC Hazardous Waste Seminar

TNRCC PST Risk Assessments Seminar

TNRCC Pollution Prevention Training Workshop

API Risk/Exposure Assessment

Contaminant Fate and Transport Modeling in Risk Assessment

Environmental Hydrology / Soil Science

Certifications

Licensed Professional Geoscientist (P.G.), I.D. # 221, Texas Board of Professional Geoscientists 2003 (current)

Registered Professional Geologist (P.G.), I.D. # 004037; State of Tennessee, May 1996 (current)

TCEQ Corrective Action Project Manager, CAPM #01091 (current)

40 Hour OSHA Hazardous Waste Site & Waste Management Training

Affiliations

BDA/Orange County

CMAA

Groundwater Resource Assoc.

Geological Society of America

Work History

*Terracon Consultants, Inc. (Irvine),
Principal, Office Manager,
July 2010 to Present*

*Terracon Consultants, Inc. (Dallas),
Environmental Group Manager,
August 1998 to July 2010*

*ATC (formerly ATEC) Associates, Inc. -
Dallas, Texas, Senior Project Manager
April 1990 to August 1998*

*Terratech, Inc. - San Jose, California,
Environmental and Geotechnical
Technician
February 1989 to March 1990*

*Woodward-Clyde Consultants - San
Jose, California, Environmental and
Geotechnical Technician
March 1987 to February 1989*

restoration and replacement upgrades to the facility. The report included an evaluation of existing conditions of the site and facilities with respect to current mission and identified construction costs required to comply with USAR facility standards, Anti-Terrorism/Force Protection requirements, handicapped accessibility regulations, and current building codes. Conceptual costs for related improvements and environmental mitigation were presented.

Major Department Store Commercial Retail Portfolio

Environmental team lead for evaluating environmental site conditions and due diligence review, including overseeing Phase I Environmental Site Assessments and Phase II Environmental Site Investigations for over fifty retail facilities with automotive maintenance across California. Findings from subsurface investigations were used to support regulatory closure of select facilities to facilitate a real estate transaction across the United States.

Automated Fuel Dispensing Facilities – Camp Pendleton, California

Project scope included environmental and geotechnical investigations at six fueling existing/proposed facilities within Camp Pendleton, California. The project consisted of construction of new buildings, canopies, pavements, retaining walls, slopes, and installation of underground storage tanks (USTs), and other site facilities. Served as the primary client point of contact and environmental technical leader.

Mixed-Use High-rise Building, West Hollywood, California

Conducted comprehensive investigation and assisted the client through enrolling and interacting with the DTSC / VCP regarding chlorinated solvent and heavy metal-impacted soil and groundwater. Provided construction management oversight to manage impacted soils and assisted the client in waste disposition, permitting and regulatory compliance interaction. A total of 52,000 cubic yards of soil was removed from the site and disposed at an off-site facility, prior to the construction of a \$170M high-rise multi-use complex. Terracon's support services allowed for significant savings in construction, on an expedited timeline in concert with the construction schedule.

Underground Storage Tank and Soil Remediation – Regional Water Board, Squaw Valley, CA

Terracon assisted a private developer with the regulatory closure of an underground storage tank (UST) site located in Squaw Valley, California. The abandoned 10,000-gallon UST was responsible for a release of heavy waste oils to the ground surface and banks of a creek. Following disposal of the UST, approximately 70 cubic yards of petroleum-impacted soils were excavated and properly disposed. Interaction with the Regional Water Board and Public Notification resulted in the issuance of case closure.

Retail Shopping Center – Former Dry Cleaners Facility – DTSC, Fremont, CA

Conducted extensive site investigation activities to evaluate the magnitude and extent of chlorinated solvents identified in the vicinity of a former dry cleaners facility, including an evaluation of groundwater, soil, soil-gas and indoor vapors as a result of a chlorinated solvent plume. Mr. Parten provided direct support and interaction with client, client legal team and DTSC representatives to manage the closure process, including the preparation of work plans and environmental investigation reports, risk-based human health evaluation, and response actions.

Soil Remediation – Riverside County Regulatory Oversight, Telecommunications Site, Perris, CA

Terracon assessed the magnitude and extent of a surficial release of petroleum hydrocarbons, developed a work plan, approved by overseeing agency, and conducted remediation, removal and legal disposal of 80 cubic yards of non-hazardous soil.

Municipal Landfill – VCP Site

Successfully oversaw and managed the engineering design and construction quality assurance for the closure and restoration of a high-profile MSW landfill in accordance with regulatory standards, subsequent to significant investigation activities. The remedy consisted of removal and consolidation of wastes and construction of LFG recovery trenches to prevent migration of landfill gas. The remedy utilized engineering controls and removal of impacted media. Project management responsibilities included coordination with Local, State and Federal officials, public/neighborhood communications, and interaction with attorneys, and management of project budgets that exceeded \$4.5 million over seven years. Terracon continues to provide post closure care monitoring and O&M for the site.

Department of Transportation Contract

Successfully managed a two-year environmental services contract with the Texas Department of Transportation (TxDOT) and coordinated multiple Terracon offices to provide geographic coverage of environmental consulting service throughout Texas. Mr. Parten was the liaison to TxDOT for the performance of environmental consulting services, and provided senior technical review of environmental investigations, Phase I ESAs, removal of underground storage tanks, remediation of affected media and waste management, asbestos and lead-based paint investigations, and management of financial metrics and budgets in strict conformance with negotiated fees and procedures under a \$2,000,000 contract.

City-Operated LUST Facilities

Provided senior project management of 14 City operated LUST facilities through coordination of investigation, regulatory reporting and response actions in the pursuit of closure. Mr. Parten was responsible for managing all site activities, evaluation of data, reporting, communicating with local and state officials, and management of budget and schedule requirements.

Municipal Property

Provided senior project management and technical review of several properties, including the remediation of metals and PAH-impacted soils, using a combination of excavation and removal and in-place stabilization. Work was performed under the EPA Brownfields Program and the Voluntary Cleanup Program. The \$1.2 million dollar remediation project was part of a high-profile downtown parks and recreation redevelopment project that successfully established LEED Certified public parks in areas once occupied by commercial and industrial property. Mr. Parten was responsible for managing all site activities, evaluation of data, reporting, communicating with local and state officials, and management of budget and schedule requirements.

3.023-Acre Tract – VCP Site

Successfully managed a Phase I ESA and subsequent comprehensive site investigation to evaluate historical site activities and non-native fill material. Chemicals of concern included VOCs, TPH, metals and PAHs in on-site soil and groundwater. Subsequent to completion of a risk-based assessment, response actions including remediation of approximately 1,500 cubic yards of impacted soils was performed to obtain a voluntary cleanup program Certificate of Completion. Mr. Parten was responsible for managing all site activities, evaluation of data, reporting, and communication with state officials.

Retail Shopping Center – VCP Site

Conducted extensive site investigation activities to evaluate the magnitude and extent of chlorinated solvents identified in the vicinity of a former dry cleaners facility. The chlorinated solvent plume was defined to drinking water standards and was delineated to a creek channel nearly 1,200 feet from the source property. Based on site investigation results, assisted the property owner in entering the site into the VCP, and managed and implemented response actions and treatment of affected media utilizing a combination of source-removal/excavation (750 cubic yards) within the building interiors, hydrogen-releasing compound (HRC®) treatment of backfill, and HRC injection into the underlying soil and groundwater across the site. Treatment technology effectively remediated affected soils and significantly reduced contaminant levels within the on-site source areas. Additional response actions were conducted to reduce on-site groundwater contamination levels through HRC injection at over 250 locations. Monitored natural attenuation and groundwater monitoring was performed for a period of approximately four years. Mr. Parten assisted the client in the establishment of a deed restriction (Municipal Setting Designation) that restricted the use of groundwater on the site. Mr. Parten interacted with City and State officials and prepared and submitted multiple reports documenting site activities, and managed a project budget totaling \$1,200,000.

Additional Project Experience

Under the direction and senior technical review by Mr. Parten, final site closure has been obtained for over thirty VCP, Innocent Owner/Operator Program, LUST, and Industrial and Hazardous Waste facilities in multiple states across the United States. Additionally, Mr. Parten has coordinated and managed the removal of dozens of underground storage tank (UST) systems and remediation of contaminated soil and groundwater. Mr. Parten has provided expert testimony on multiple projects, and is a primary point of contact interacting with environmental attorneys and regulatory agencies.

Todd G. McFarland, PG, CHG

DEPARTMENT MANAGER

PROFESSIONAL EXPERIENCE

Mr. McFarland has over 19 years of experience as a professional geologist and hydrogeologist, in over 200 site characterization and remediation projects throughout California. He is an environmental Department Manager for Terracon's Colton office. Mr. McFarland has been involved with geotechnical investigations, well design and construction, aquifer testing, Phase I and II ESAs, including agricultural, petroleum, and industrial properties; and remediation mitigation for commercial, industrial and LUST/LUFT projects. Mr. McFarland's expertise includes hydrogeology, contaminant transport in soil and groundwater, soil and groundwater remediation, and California UST Cleanup Fund regulations for commercial properties, government agencies and major oil companies.

His areas of expertise includes Phase I & II Environmental Assessments, Hazardous Waste Site Investigations, LUST/LUFT Site Investigation and Remediation (soil, vapor, and groundwater) Hydrogeology, Contaminant Fate & Transport, Well Design and Construction, Remedial Strategy and Design, California UST Cleanup Fund and Triad Approach Investigation Methods.

PRESENTATIONS

Blythe Commingled Plume Project, California Regional Water Quality Control Board, Colorado River Basin Region, La Quinta, CA, November 2005. Prepared and presented a 30-minute multimedia presentation to the Water Board summarizing the project accomplishments and status.

Blythe Commingled Plume Project, California Water Resources Control Board, Underground Storage Tank Cleanup Fund, Sacramento, CA, December 2005, and April 2008. Coordinated, prepared and presented project information and recommendations to the UST Cleanup Fund.

Chevron OneTeam Meeting, Brea, CA, May 2007. Presented multimedia presentation on the application of Compound Specific Isotope Analysis for 1,2-DCA, in support of natural attenuation.

Chevron OneTeam Meeting, Irvine, CA, May 2012. Presented multimedia safety presentation detailing groundwater pump-and-treatment systems.

Yucaipa Valley Gem & Mineral Society, Yucaipa, CA, March 2015. Presented multimedia presentation on California water and groundwater production.

PROJECT EXPERIENCE

Charis Corporation/US Army, Aquifer and Well Evaluation, Fort Irwin, California

Project Geologist for the identification, assessment and testing of domestic and agricultural wells associated with the expansion of Ft. Irwin military base. Responsible for field mapping, staff and logistics coordination, subcontractor management, well pumping, mine shaft mapping and collection of samples for heavy metal analytical testing. [2001-2002]

Bechtel, Mountain View Power Plant Expansion Project, Loma Linda, California

Project Geologist support for pump test and analytical testing of new production well within the Bunker Hill Basin. Sampling and testing of water for Title 22, perchlorate and TCE to determine well viability, and ability to discharge surplus water to Santa Ana River. [2003]

Herzog, Rail Line Rehabilitation Project, San Bernardino, California

Project Geologist for compliance monitoring, soil sampling and remediation management of soils during rail line rehabilitation. Project work conducted for BNSF under their oversight and safety management guidelines. Managed daily soil screening, mobile laboratory analysis oversight and directed soil excavation and segregation for offsite disposal of hydrocarbon and solvent impacted soils. [2002]

EDUCATION

Bachelor of Science, Hydrogeology, Northern Arizona University, 1998

AA, Art/Architecture, Pasadena City College, 1992

REGISTRATIONS

California Professional Geologist, PG #7685

California Certified Hydrogeologist, CHG #979

CERTIFICATIONS

GIS Certification, University of California, Riverside, 2017

40-Hour OSHA Hazardous Materials Training

8-Hour OSHA Supervisory and Confined Space Training

8-Hour LPS/OSHA Refresher (current)

CPR/First Aid Certified (current)

LPS 8-Hour Training Certification, 5/2006

16-Hour Chevron EMC CSOC Training, 11/2007

Defensive Driving Course, 6/2006

DOT-Basic HazMat Training, 5/2007

Title 22 California-Hazardous Waste Generator Training, 5/2007

Lean Six Sigma Training, 3/2011

Cost Engineering and Cost Loaded Scheduling and Training, 4/2011 & 3/2012

WORK HISTORY

Terracon Consultants, Inc., Department Manager, 2018-Present

AECOM, Sr. Project Manager/Sr. Hydrogeologist, 2013-2018

HFA, Sr. Geologist/Sr. Project Manager, 2009-2013, Assoc. Geologist/Sr. Geologist/Project Manager/Office Manager, 2004-2009

Geo-Cal, Inc., Project Geologist, 2003 – 2004

CHJ, Inc., Staff Geologist, 1998-2003

Amtrak, 8th Street Amtrak Yard ROW Investigation, Los Angeles, California

Project Geologist for Phase I & II assessments along ROWs within the active rail yard for proposed ROW exchange. Project work included drilling and soil sampling adjacent to active rail lines associated with train maintenance and wash rack. Reporting and recommendations for soil remediation options. [2002]

Chevron and ExxonMobil, Service Station and Terminal Facility Management, Southern and Northern California

Project/Senior Geologist and Project Manager for portfolio of underground storage tank facilities. Managed schedule, costs and project work for numerous retail service station and bulk tank facilities. Scoped and executed assessment and remedial efforts targeted to model and remove contaminants. Geological logging and drilling oversight for the installation of numerous shallow and deep monitoring wells within unconsolidated and over-consolidated soils. Develop and execute aquifer, soil vapor extraction, and air sparge testing to determine feasibility of remedial options. Prepare conceptual site models to evaluate project data and develop remedial action plans and human health risk assessments. Collaborate with engineers to design, build and execute remedial systems for treatment of petroleum impacted soil and groundwater. Responsible for direct interaction with client and regulators to develop and execute strategies. [2003 to present]

Chevron EMC, 1,2-DCA Plume Investigation, Santa Barbara, California

Project Geologist and Project Manager. Conducted assessment and modeling of groundwater that included the evaluation of carbon isotopes to determine contaminant origin and rate of destruction. [2006 - 2008]

Chevron EMC, MTBE Groundwater Plume Investigation and Remediation, San Juan Capistrano California

Senior Geologist and Project Manager for two underground storage tank facilities that allegedly affected the City's water production supply. Scoped and executed assessment and remedial efforts targeted to model and remove benzene and MTBE. Installed and operated in-situ soil and groundwater remedial systems. Geological logging and drilling oversight for the installation of numerous shallow and deep monitoring and remediation wells. Testing and evaluation of City's production wells. Attend and participate in public hearings, plan and participate in planning and design review meetings. Conduct client meetings and provide project details to client's legal team. [2010 to 2013]

Confidential Client, Crafton-Redlands Perchlorate Plume Investigation, Mentone, California

Project Geologist for underground storage tank facility. Geological logging and drilling oversight for the installation of deep monitoring wells within the Crafton-Redlands Plume using rotary casing hammer and sonic drilling rigs. Collection of soil and groundwater samples to evaluation aquifer for petroleum hydrocarbons, including MTBE and perchlorate. Conduct soil vapor extraction pilot testing for in-situ soil remediation of hydrocarbon impacts. [2003 to 2004]

City of Rialto, Landfill Investigation and Post-Closure Monitoring, Rialto, California. Project Geologist for landfill closure and post-closure investigations and monitoring. On going monitoring of water quality beneath and surrounding the boundary limits of landfill. Statistical analysis and reporting of water quality data to determine trends and stability post-closure. [2003 to 2004]

City of Los Angeles, Community Park Development, Lead Removal, California

Project Geologist for development of a community park. Planned, coordinated, and conducted assessment and remediation of aerial deposited lead within a residential community. Conducted lead dust monitoring, excavation activities and verification sampling and reporting. [2003]

Confidential Client, Federal Social Security Building Development, San Bernardino, California

Project Geologist for compliance monitoring and soil sampling during over-excavation of unpermitted landfill from the 1920's. Soil sampling/analysis, soil management and excavation of lead-impacted soils. [2002]

City of Blythe, Citywide Commingled Plume Investigation, Blythe, California

Project Manager for city wide commingled plume assessment and remedial cleanup of 7 commingled plumes (over 30 individual sites) related to petroleum releases to groundwater. Conducted large-scale site assessment, well installation and remedial actions including soil vapor extraction, dual-phase extraction, free-product extraction and soil excavation. Managed complex financial contract and UST

Cleanup Fund reimbursement. Responsible for direct interaction with client (City), UST Cleanup Fund and California's Water Board to develop and execute strategies. [2005 to 2009]

AFCEC, Industrial Waste Line Removal and Vapor Intrusion Risk Assessment, Former Norton Air Force Base, San Bernardino, California

Senior hydrogeologist for evaluation of soil and soil vapor sampling. Conducted closure report review, human health risk assessment modeling and evaluation, and closure recommendations. Evaluation and reporting resulted in obtaining closure from DTSC. [2014]

APPENDIX F
DESCRIPTION OF TERMS AND ACRONYMS

Description of Selected General Terms and Acronyms

Term/Acronym	Description
ACM	<p>Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).</p> <p>Regulatory agencies have generally defined ACM as a material containing greater than one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.</p> <p>Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.</p>
AHERA	Asbestos Hazard Emergency Response Act
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally exempt small quantity generators.
CFR	Code of Federal Regulations

Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	Description
CREC	Controlled Recognized Environmental Condition is defined in ASTM E 1527-13 as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.”
DOT	U.S. Department of Transportation
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a “solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”
HREC	Historical Recognized Environmental Condition is defined in ASTM E 1527-13 as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”
ILP	Innocent Landowner/Operator Program
LQG	Large quantity generators.
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.

Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	Description
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/L	Pico Curies per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in Pico Curies per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ("cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA generators list is part of the RCRIS database maintained by EPA and lists facilities that generate hazardous waste as part of their normal business operations, as more particularly defined under Section 4.1 of this report.
RCRA CORRACTS/TS Ds	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TS Ds	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E1527-13 as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment. <i>De minimis</i> conditions are not recognized environmental conditions."
SCL	State "CERCLIS" List (see SPL /State Priority List, below).

Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	Description
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	National Priorities List, as more particularly described under the Records Review section of this report.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SQG	Small quantity generator.
SWF	Solid Waste Facility
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-05, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound

Term/Acronym	Description
Wetlands	<p>Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <u>Corps of Engineers Wetlands Delineation Manual</u> (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.</p> <p>The federal Clean Water Act which regulates “waters of the US,” also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.</p>

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